

See <https://www.spaceweather.com> <https://www.solarmonitor.org>

January 2010

1 Jan

http://solar.gmu.edu/heliophysics/index.php/The_ISEST_Event_List

1-6 Jan

CME Velocity and Acceleration Error Estimates Using the Bootstrap Method

Grzegorz **Michalek**, Nat Gopalswamy, Seiji Yashiro

[Solar Physics](#) August 2017, 292:114

2 Jan – 14:23 – C2.6 **пересвет** $A=25*2/311=0,16$ <-- **16 s**; **8 s** → $L/Rs=0.08$
23:18 – C3.1 **пересвет** $A=13*2/311=0,08$ <-- **16 s**; **8 s** → $L/Rs=0.042$

3 Jan – 01:20 – C2.0 вспышка, **пересвет** на STEREO-A, $A=28,5*2/311= 0,18$
Сдвоенный пересвет в двух основаниях

4 Jan – 03:40 – C1.3 **пересвет** $A=12*2/311= 0,08$ <-- **16 s**; **8 s** → $L/Rs=0.039$

7 Jan

Forward Modeling of the Type III Radio Burst Exciter

Peijin **Zhang**, Chuanbing Wang, Lin Ye, Yuming Wang

[Solar Physics](#) May 2019, 294:62

sci-hub.se/10.1007/s11207-019-1448-0

10 Jan

Enhancing Triangulation of Interplanetary Type III Bursts through Wavevector Correction

Vratislav **Krupar**^{1,2}, Oksana Kruparova^{1,2}, Adam Szabo², Rui F. Pinto^{3,4}, Milan Maksimovic⁵, and Juan Carlos Martinez Oliveros⁶

2024 ApJ 960 101

<https://iopscience.iop.org/article/10.3847/1538-4357/ad150e/pdf>

14-15 Jan

An Ensemble Study of a January 2010 Coronal Mass Ejection (CME): Connecting a Non-obvious Solar Source with Its ICME/Magnetic Cloud

D. F. **Webb**, M. M. Bisi, C. A. de Koning, C. J. Farrugia, B. V. Jackson, L. K. Jian, N. Lugaz, K. Marubashi, C. Möstl, E. P. Romashets, ... show all 12

[Solar Phys.](#), 2014

15 Jan

Radio Observations of Coronal Mass Ejections: Space Weather Aspects

Review

[Angelos Vourlidis](#), [Eoin P Carley](#) and [Nicole Vilmer](#)

[Front. Astron. Space Sci.](#) 7:43 2020

<https://www.frontiersin.org/articles/10.3389/fspas.2020.00043/full>

<https://sci-hub.st/10.3389/fspas.2020.00043> **File**

Three-Dimensional Evolution of Flux-Rope CMEs and Its Relation to the Local Orientation of the Heliospheric Current Sheet

A. **Isavnin**, A. Vourlidas, E. K. J. Kilpua
Solar Phys., 2014, File

HIGH ANGULAR RESOLUTION RADIO OBSERVATIONS OF A CORONAL MASS EJECTION SOURCE REGION AT LOW FREQUENCIES DURING A SOLAR ECLIPSE

R. **Ramesh**, C. Kathiravan, Indrajit V. Barve and M. Rajalingam
2012 ApJ 744 165

16 Jan

Association of 3He-Rich Solar Energetic Particles with Large-Scale Coronal Waves

Radoslav **Bucik**, Davina E. Innes, Glenn M. Mason, Mark E. Wiedenbeck
2016

<http://arxiv.org/pdf/1609.05346v1.pdf>

17 Jan Анализировалась Гречневым. См. **Chains, Events**

Old sunspot 1039 still has some life left in it. Jan. 17th, it unleashed a **strong solar flare and triggered a solar tsunami**.

SOHO/LASCO: large CME

03:56 -Большая вспышка на STEREO-B

Propagation of a dome-shaped, large-scale extreme-ultraviolet wave in the solar corona

Gottfried **Mann**¹ and Astrid M. Veronig^{2,3}
A&A 676, A144 (2023)

<https://www.aanda.org/articles/aa/pdf/2023/08/aa45688-22.pdf>

Polarimetric Reconstruction of Coronal Mass Ejections from LASCO-C2 Observations

O. **Floyd**, P. Lamy

Solar Physics November 2019, 294:168

<https://link.springer.com/content/pdf/10.1007%2Fs11207-019-1553-0.pdf>

CHALLENGING SOME CONTEMPORARY VIEWS OF CORONAL MASS EJECTIONS.

I. THE CASE FOR BLAST WAVES

T. A. **Howard**¹ and V. J. Pizzo

2016 ApJ 824 92 File

Large-scale Globally Propagating Coronal Waves

Review

Warmuth, Alexander

Living Reviews in Solar Physics, PUB.NO. IrsP-2015-3, 2015

<http://solarphysics.livingreviews.org/Articles/IrsP-2015-3/> File

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole **Muhr**, Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., 2014

<http://arxiv.org/pdf/1408.2513v1.pdf>

An Ensemble Study of a January 2010 Coronal Mass Ejection (CME): Connecting a Non-obvious Solar Source with Its ICME/Magnetic Cloud

D. F. **Webb**, M. M. Bisi, C. A. de Koning, C. J. Farrugia, B. V. Jackson, L. K. Jian, N. Lugaz, K. Marubashi, C. Möstl, E. P. Romashets, ... show all 12

Solar Phys., 2014

Statistical survey of widely spread out solar electron events observed with STEREO and ACE with special attention to anisotropies

N. [Dresing](#), R. Gomez-Herrero, B. Heber, A. Klassen, O. Malandraki, W. Drogge, and Y. Kartavykh
E-print, July 2014; A&A, Volume 567, A27, July 2014; [File](#)

The Wave-Driver System of the Off-Disk Coronal Wave 17 January 2010

M. [Temmer](#), B. Vrsnak, A. M. Veronig
E-print, July 2012; Solar Phys. 2013, Volume 287, Issue 1-2, pp 441-454, [File](#)
[См. Комментарии Гречнева к этой работе](#) [Dear Manuela.doc](#)

The large longitudinal spread of solar energetic particles during the January 17, 2010 solar event

N. [Dresing](#), R. Gomez-Herrero, A. Klassen, B. Heber, Y. Kartavykh, W. Drogge
E-print, 8 June 2012, Solar Physics, November 2012, Volume 281, Issue 1, pp 281-300

Role of Structured Turbulence in Energetic Particle Propagation

Timo Laitinen, Silvia Dalla and James Kelly,

UKSP nugget: 25, Aug 2012

<http://www.uksolphys.org/?p=4977>

On the Nature and Genesis of EUV Waves: A Synthesis of Observations from SOHO, STEREO, SDO, and Hinode **Review**

Spiros [Patsourakos](#) 1 _ Angelos Vourlidas
arXiv-print, 2012, [File](#); Solar Physics, Special Issue "The Sun in 360", 2012,

UNCOVERING THE WAVE NATURE OF THE EIT WAVE FOR THE 2010 JANUARY 17 EVENT THROUGH ITS CORRELATION TO THE BACKGROUND MAGNETOSONIC SPEED

X. H. [Zhao](#)^{1,2}, S. T. Wu², A. H. Wang², A. Vourlidas³, X. S. Feng¹ and C. W. Jiang
2011 ApJ 742 131, [File](#)

Coronal Shock Waves, EUV Waves, and Their Relation to CMEs.

III. Shock-Associated CME/EUV Wave in an Event with a Two-Component EUV Transient

V. V. [Grechnev](#), A. N. Afanasyev, A. M. Uralov, I. M. Chertok, M. V. Eselevich, V. G. Eselevich, G. V. Rudenko and Y. Kubo
Solar Physics, Volume 273, Number 2, 461-477, 2011, [File in Chertok's papers](#)

Analysis of characteristic parameters of large-scale coronal waves observed by STEREO/EUVI

N. [Muh](#)r, A.M. Veronig, I.W. Kienreich, M. Temmer, B. Vrsnak
E-print, 4 Aug 2011, [File](#);

STEREO observations of a dome-shaped large-scale coronal EUV wave

Astrid [Veronig](#), Ines Kienreich, Nicole Muhr, Manuela Temmer, Bojan Vršnak
CESRA_2010, [Presentation file](#)

FIRST OBSERVATIONS OF A DOME-SHAPED LARGE-SCALE CORONAL EXTREME-ULTRAVIOLET WAVE

A. M. [Veronig](#)¹, N. Muhr¹, I. W. Kienreich¹, M. Temmer^{1,2}, and B. Vršnak³
Astrophysical Journal Letters, 716:L57–L62, 2010 June; [File](#)

[19 Jan](#) – [две залимбовые вспышки с большим пересветом включены в Table _2](#)

19 Jan

at 1340 UT, Earth-orbiting satellites detected the strongest solar flare in almost two years. The [M2-class](#) eruption came from old sunspot 1039, currently located behind the sun's eastern limb. NASA's STEREO-B spacecraft recorded this extreme ultraviolet movie of the blast:

Considering the fact that the sunspot is not even visible from Earth, the flare was probably much stronger than its M2 classification would suggest. This active region has produced at least three significant eruptions since Jan. 17th (including [this notable flare](#))

20 Jan – 07:51 – M1.6 **пересвет** $B=40*2/292=0,27$ <--**16 s**; **8 s** →L/Rs=0.137
11:06 – M1.8 **пересвет** $B=51*2/292=0,35$ <--**16 s**; **8 s** →L/Rs=0.174
17:56 – M3.4 **пересвет** $B=109*2/292=0,345$ <--**16 s**; **8 s** →L/Rs=0.373

20 Jan

Statistical analysis of the onset temperature of solar flares in 2010-2011

[Douglas Félix da Silva](#), [Li Hui](#), [Paulo J. A. Simões](#), [Adriana Valio](#), [Joaquim C. E. R.](#), [Hugh S. Hudson](#), [Paulo J. A. Simoes](#), [Lyndsay Fletcher](#), [Laura A. Hayes](#), [Iain G. Hannah](#)

MNRAS **2023**

<https://arxiv.org/pdf/2308.11017.pdf>

Region **11041** was very active and appeared to be decaying towards the end of the day. The region is surprisingly small and must have been more complex prior to rotating into view.

Flares: C4.0 at 00:22, C1.7 at 02:53, C5.0 at 04:57, C3.9 at 06:18, M1.0 at 07:27, M1.6 at 07:49, C3.7 at 09:29, M1.8 at 10:59, C3.9 at 12:32, C1.3 at 13:25, C2.2 at 15:20, C1.0 at 17:33 and M3.4 at 17:55 UTC.

20-21 Jan

Solar Type II Radio Bursts Recorded by the Compound Astronomical Low-Frequency Low-Cost Instrument for Spectroscopy in Transportable Observatories in Brazil

R. D. [Cunha-Silva](#), F. C. R. Fernandes, C. L. Selhorst
Solar Phys. **2014**

The Solar Internetwork. I. Contribution to the Network Magnetic Flux

Milan [Gošić](#), Luis R. Bellot Rubio, David Orozco Suárez, Yukio Katsukawa, Jose Carlos Del Toro Iniesta
ApJ, **2014**

An Ensemble Study of a January 2010 Coronal Mass Ejection (CME): Connecting a Non-obvious Solar Source with Its ICME/Magnetic Cloud

D. F. [Webb](#), M. M. Bisi, C. A. de Koning, C. J. Farrugia, B. V. Jackson, L. K. Jian, N. Lugaz, K. Marubashi, C. Möstl, E. P. Romashets, ... show all 12
Solar Phys., **2014**

21 Jan – 01:21 – C4.9 **пересвет** $B=30*2/311=0,19$ <--**16 s**; **8 s** →L/Rs=0.096

22 Jan

Mass and energy of erupting solar plasma observed with the X-Ray Telescope on Hinode

Jin-Yi [Lee](#), John C. Raymond, Katharine K. Reeves, Yong-Jae Moon, and Kap-Sung Kim
ApJ, **2014**

<http://arxiv.org/pdf/1411.2229v1.pdf>

24 Jan

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole [Muh](#), Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., 2014

<http://arxiv.org/pdf/1408.2513v1.pdf>

26 Jan

Impulsive Solar Energetic Particle Events: EUV Waves and Jets MINI **REVIEW**

R. [Bucik](#)

Front. Astron. Space Sci. 9? 807961 2021

<https://doi.org/10.3389/fspas.2021.807961>

<https://arxiv.org/abs/2112.14282>

No universal connection between the vertical magnetic field and the umbra-penumbral boundary in sunspots

B. [Loptien](#), [A. Lagg](#), [M. van Noort](#), [S. K. Solanki](#)

A&A 2020

<https://arxiv.org/pdf/2006.02346.pdf>

³He-rich solar energetic particles: Solar sources

Review

R. [Bucik](#)

Space Sci Rev volume 216, Article number: 24 (2020) File

<https://arxiv.org/pdf/2002.09442.pdf>

OBSERVATIONS OF EUV WAVES IN ³He-RICH SOLAR ENERGETIC PARTICLE EVENTS

R. [Bućik](#)^{1,2,3}, D. E. Innes^{1,2}, L. Guo^{1,2}, G. M. Mason⁴, and M. E. Wiedenbeck

2015 ApJ 812 53

<http://arxiv.org/pdf/1512.04664v1.pdf>

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole [Muh](#), Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., 2014

<http://arxiv.org/pdf/1408.2513v1.pdf>

29 Jan

Allen Telescope Array Multi-frequency Observations of the Sun

P. [Saint-Hilaire](#), G. J. Hurford, G. Keating, G. C. Bower and C. Gutierrez-Kraybill

E-print, Nov 2011

Solar Physics, Volume 277, Number 2, 431-445, 2012, E-print File

30 Jan

In situ measurements of the variable slow solar wind near sector boundaries

E. [Sanchez-Diaz](#) (IRAP), [A. Rouillard](#), [B. Lavraud](#) (IRAP), [E. Kilpua](#) (FMI), [J. Davies](#)

ApJ 2019

<https://arxiv.org/ftp/arxiv/papers/1911/1911.09683.pdf>

Mass and energy of erupting solar plasma observed with the X-Ray Telescope on Hinode

Jin-Yi [Lee](#), John C. Raymond, Katharine K. Reeves, Yong-Jae Moon, and Kap-Sung Kim

ApJ, 2014

<http://arxiv.org/pdf/1411.2229v1.pdf>

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole **Muhr**, Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein
Solar Phys., **2014**
<http://arxiv.org/pdf/1408.2513v1.pdf>

31 Jan

Association of 3He-Rich Solar Energetic Particles with Large-Scale Coronal Waves

Radoslav **Bucik**, Davina E. Innes, Glenn M. Mason, Mark E. Wiedenbeck
2016
<http://arxiv.org/pdf/1609.05346v1.pdf>

1 Feb

Self-similar expansion of solar coronal mass ejections: implications for Lorentz self-force driving

Prasad **Subramanian**, K. P. Arunbabu, Angelos Vourlidas, Adwiteey Mauriya
ApJ, **2014**
<http://arxiv.org/pdf/1406.0286v1.pdf>

Three-Dimensional Evolution of Flux-Rope CMEs and Its Relation to the Local Orientation of the Heliospheric Current Sheet

A. **Isavnin**, A. Vourlidas, E. K. J. Kilpua
Solar Phys., **2014**, **File**

Three-Dimensional Properties of Coronal Mass Ejections from STEREO/SECCHI Observations

E. **Bosman**, V. Bothmer, G. Nisticò, A. Vourlidas, R. A. Howard, J. A. Davies
Solar Physics, November **2012**, Volume 281, Issue 1, pp 167-185, **File**

2 Feb

Impulsive Solar Energetic Particle Events: EUV Waves and Jets MINI **REVIEW**

R. **Bucik**
Front. Astron. Space Sci. 9? 807961 **2021**
<https://doi.org/10.3389/fspas.2021.807961>
<https://arxiv.org/abs/2112.14282>

OBSERVATIONS OF EUV WAVES IN 3He-RICH SOLAR ENERGETIC PARTICLE EVENTS

R. **Bučík**^{1,2,3}, D. E. Innes^{1,2}, L. Guo^{1,2}, G. M. Mason⁴, and M. E. Wiedenbeck
2015 ApJ 812 53
<http://arxiv.org/pdf/1512.04664v1.pdf>

OBSERVATIONS OF SOLAR ENERGETIC PARTICLES FROM 3He-RICH EVENTS OVER A WIDE RANGE OF HELIOGRAPHIC LONGITUDE

M. E. **Wiedenbeck**¹, G. M. Mason², C. M. S. Cohen³, N. V. Nitta⁴, R. Gómez-Herrero^{5,6}, and D. K. Haggerty
2013 ApJ 762 54

Full Sun monochromatic images

Ignacio **Ugarte-Urra** and Harry Warren
Hinode EIS science nugget 28 Feb **2011**
<http://msslxr.mssl.ucl.ac.uk:8080/SolarB/eisnuggets.jsp>

3 Feb

Drag-based CME modeling with heliospheric images incorporating frontal deformation: ELEvoHI 2.0

J. Hinterreiter, T. Amerstorfer, M. Temmer, M. A. Reiss, A. J. Weiss, C. Möstl, L. A. Barnard, J. Pomoell, M. Bauer, U. V. Amerstorfer

Space Weather **Volume19, Issue10** e2021SW002836 2021

<https://arxiv.org/pdf/2108.08075.pdf>

<https://agupubs.onlinelibrary.wiley.com/doi/epdf/10.1029/2021SW002836>

<https://doi.org/10.1029/2021SW002836>

5 Feb STEREO-B spacecraft is tracking four active regions strung across the eastern hemisphere of the sun. The blast occurred around 0130 UT on February 5th and it appears to have hurled some material in the general direction of Earth.

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole Muhr, Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., 2014

<http://arxiv.org/pdf/1408.2513v1.pdf>

> 5 Feb

Study of the first productive active region in solar cycle 24

L. P. Li, J. Zhang, T. Li, S. H. Yang and Y. Z. Zhang

A&A 539, A7 (2012)

5-6 Feb

STEREO Observations of Interplanetary Coronal Mass Ejections in 2007–2016

L. K. Jian^{1,2}, C. T. Russell^{3,4}, J. G. Luhmann⁵, and A. B. Galvin^{6,7}

2018 ApJ 855 114

<http://sci-hub.tw/http://iopscience.iop.org/0004-637X/855/2/114/>

6 Feb – 19:03 – M2.9 вспышка, **пересвет** на STEREO-A, $A=53*2/312=0,34$ прилиб **8 s**

19:01 – B=40*2/295=0,27 **разница во времени**

21:36 – M1.3 вспышка, **пересвет** на STEREO-B B=17*2/295=0,12 **8 s**

February 6: A CME was observed off of the east limb after an M2 flare in region 11045.

Long-lived energetic particle source regions on the Sun

R. Bucik, D. E. Innes, N.-H. Chen, G. M. Mason, R. Gomez-Herrero, M. E. Wiedenbeck

Journal of Physics: Conference Series 2015

<http://arxiv.org/pdf/1507.02840v1.pdf>

A Simple Way to Estimate the Soft X-ray Class of Far-Side Solar Flares Observed with STEREO/EUVI

I.M. Chertok (1), A.V. Belov (1), V.V. Grechnev (2)

Solar Phys. 2015

February 6-7

SOLAR RADIO TYPE-I NOISE STORM MODULATED BY CORONAL MASS EJECTIONS

K. Iwai¹, Y. Miyoshi², S. Masuda², M. Shimojo³, D. Shiota⁴, S. Inoue⁵, F. Tsuchiya¹, A. Morioka¹ and H. Misawa

2012 ApJ 744 167, File

6-9 Feb

Drag-based CME modeling with heliospheric images incorporating frontal deformation: ELEvoHI 2.0

J. [Hinterreiter](#), [T. Amerstorfer](#), [M. Temmer](#), [M. A. Reiss](#), [A. J. Weiss](#), [C. Möstl](#), [L. A. Barnard](#), [J. Pomoeil](#), [M. Bauer](#), [U. V. Amerstorfer](#)
Space Weather **Volume19, Issue10** e2021SW002836 2021
<https://arxiv.org/pdf/2108.08075.pdf>
<https://agupubs.onlinelibrary.wiley.com/doi/epdf/10.1029/2021SW002836>
<https://doi.org/10.1029/2021SW002836>

7 Feb – 02:36 – M6.4 вспышка, **пересвет** на STEREO-A, $A=72*2/312=0,462$
 $B=68*2/296=0,459$
04:53 – C9.9 вспышка, **пересвет** на STEREO-B, $B=22,5*2/296=0,15$
04:56 $A=15*2/312=0,1$ другое время, прилиб

February 7: A full halo CME was observed following an M6 flare in region 11045. A major M6.4/1N flare was recorded at 02:34 UTC. This event was associated with a CME which very likely will impact Earth, probably on February 9. Other flares: C1.1 at 03:29, C9.9/1F at 04:52, C4.2 at 21:15, C4.2 at 21:39 and C1.0 at 22:31 UTC. **See Events**

Precipitation and Release of Solar Energetic Particles from the Solar Coronal Magnetic Field

Ming [Zhang](#) and Lulu Zhao
2017 ApJ 846 107
<https://iopscience.iop.org/article/10.3847/1538-4357/aa86a8/pdf>

Large gradual solar energetic particle events **Review**

Mihir [Desai](#), Joe Giacalone
Living Reviews in Solar Physics, December 2016, 13:3
<http://solarphysics.livingreviews.org/>

Evolution and Consequences of Coronal Mass Ejections in the Heliosphere

[Wageesh Mishra](#)
The **thesis** was submitted in Mar 2015 to MLS university, Udaipur, for which the university granted the degree in Jan 2016
<https://arxiv.org/pdf/2204.09879.pdf>

Wide longitudinal distribution of interplanetary electrons following the 7 February 2010 solar event: Observations and transport modeling

W. [Dröge](#)^{1,*}, Y. Y. Kartavykh^{1,2}, N. Dresing³, B. Heber³ and A. Klassen
JGR Volume 119, Issue 8, pages 6074–6094, August 2014

Statistical survey of widely spread out solar electron events observed with STEREO and ACE with special attention to anisotropies

N. [Dresing](#), R. Gomez-Herrero, B. Heber, A. Klassen, O. Malandraki, W. Dröge, and Y. Kartavykh
E-print, July 2014; A&A, Volume 567, A27, July 2014; **File**

Kinematic Properties of Slow ICMEs and an Interpretation of a Modified Drag Equation for Fast and Moderate ICMEs

T. [Iju](#), M. Tokumaru, K. Fujiki
Solar Physics, June 2014, Volume 289, Issue 6, pp 2157-2175
<http://arxiv.org/pdf/1401.1724v1.pdf>

Estimating the Arrival Time of Earth-directed Coronal Mass Ejections at in Situ Spacecraft Using COR and HI Observations from STEREO

Wageesh [Mishra](#) and Nandita Srivastava

2013 ApJ 772 70

<http://arxiv.org/pdf/1306.1397v1.pdf>

Understanding shock dynamics in the inner heliosphere with modeling and type ii radio data: a statistical study[†]

H. [Xie](#), O. C. St. Cyr, N. Gopalswamy, D. Odstrcil, H. Cremades

JGR, 2013, File

OBSERVATIONS OF SOLAR ENERGETIC PARTICLES FROM 3He-RICH EVENTS OVER A WIDE RANGE OF HELIOGRAPHIC LONGITUDE

M. E. [Wiedenbeck](#)¹, G. M. Mason², C. M. S. Cohen³, N. V. Nitta⁴, R. Gómez-Herrero^{5,6}, and D. K

Haggerty

2013 ApJ 762 54

OBSERVATIONS OF SOLAR ENERGETIC PARTICLES FROM 3He-RICH EVENTS OVER A WIDE RANGE OF HELIOGRAPHIC LONGITUDE

M. E. [Wiedenbeck](#)¹, G. M. Mason², C. M. S. Cohen³, N. V. Nitta⁴, R. Gómez-Herrero^{5,6}, and D. K

Haggerty

2013 ApJ 762 54

A multiwavelength study of an M-class flare and the origin of an associated eruption from NOAA AR 11045

[Dwivedi](#), B. N.; Srivastava, Abhishek K.; Kumar, Mukul; Kumar, Pankaj

E-print, March 2012, New Astr.

8 Feb – 04:21 – C7.7 вспышка, **пересвет** на STEREO-A, $A=18,5^2/311=0,119$
07:46 – M4.0 вспышка, **пересвет** на STEREO-A, $A=39,5^2/311=0,254$
 $B=30^2/295=0,20$ прилимб
12:01 – M1.1 вспышка, **пересвет** на STEREO-A, $A=24^2/311=0,154$
 $B=19^2/295=0,13$ прилимб
13:46 – M2.0 вспышка, **пересвет** на STEREO-A, $A=23^2/311=0,148$
 $B=18^2/295=0,12$ прилимб
21:26 – M1.0 вспышка, **пересвет** на STEREO-A $A=28,5^2/311=0,183$

February 8

On the Instrumental Discrepancies in Lyman-alpha Observations of Solar Flares

[Harry J. Grotorex](#), [Ryan O. Milligan](#), [Ingolf E. Dammasch](#)

Solar Phys. 2024

<https://arxiv.org/pdf/2411.00736>

A time series of filament eruptions observed by three eyes from space: from failed to successful eruptions

Yuandeng [Shen](#), Yu Liu, and Rui Liu

E-print, July 2013; Research in Astronomy and Astrophysics Volume 11 Number 5, 2011

Large gradual solar energetic particle events

Review

Mihir [Desai](#), Joe Giacalone

Living Reviews in Solar Physics, December 2016, 13:3

<http://solarphysics.livingreviews.org/>

RELATION BETWEEN THE CORONAL MASS EJECTION ACCELERATION AND THE NON-THERMAL FLARE CHARACTERISTICS

S. [Berkebile-Stoiser](#), A. M. Veronig, B. M. Bein, and M. Temmer
2012 ApJ 753 88, [File](#)

Interaction and Eruption of Two Filaments Observed by Hinode, SOHO, and STEREO

Y. [Li](#) and M. D. Ding
E-print, 18 Nov 2011, [File](#); Research in Astron. Astrophys.

SUB-THz AND H α ACTIVITY DURING THE PREFLARE AND MAIN PHASES OF A GOES CLASS M2 EVENT

Pierre [Kaufmann](#)^{1,2}, Rogério Marcon^{3,4}, C. Guillermo Giménez de Castro¹, Stephen M. White⁵, Jean-Pierre Raulin¹, Emilia Correia^{1,6}, Luis Olavo Fernandes¹, Rodney V. de Souza¹, Rodolfo Godoy⁷, Adolfo Marun⁷ and Pablo Pereyra⁷
2011 ApJ 742 106

LYRA OBSERVATIONS OF TWO OSCILLATION MODES IN A SINGLE FLARE

T. [Van Doorselaere](#)^{1,5}, A. De Groof², J. Zender³, D. Berghmans⁴ and M. Goossens
2011 ApJ 740 90

9-17 Feb

Differences between the CME fronts tracked by an expert, an automated algorithm, and the Solar Stormwatch project

L. [Barnard](#), C. J. Scott, M. Owens, M. Lockwood, S. R. Crothers, J. A. Davies and R. A. Harrison
Space Weather 13(10) (pages 709–725) 2015
<http://onlinelibrary.wiley.com/doi/10.1002/2015SW001280/epdf>

February 10

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole [Muhr](#), Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein
Solar Phys., 2014
<http://arxiv.org/pdf/1408.2513v1.pdf>

RELATION BETWEEN THE CORONAL MASS EJECTION ACCELERATION AND THE NON-THERMAL FLARE CHARACTERISTICS

S. [Berkebile-Stoiser](#), A. M. Veronig, B. M. Bein, and M. Temmer
2012 ApJ 753 88, [File](#)

11 Feb

Fine Structures of an EUV Wave Event from Multi-Viewpoint Observations

Ramesh [Chandra](#), [P. F. Chen](#), [Pooja Devi](#), [Reetika Joshi](#), [Brigitte Schmieder](#), [Yong-Jae Moon Wahab Uddin](#)
ApJ 2021
<https://arxiv.org/pdf/2106.14024.pdf>

EUV imaging and spectroscopy for improved space weather forecasting

Review

Leon [Golub](#)^{1*}, Peter Cheimets¹, Edward E. DeLuca¹, Chad A. Madsen¹, Katharine K. Reeves¹, Jenna Samra¹, Sabrina Savage², Amy Winebarger² and Alexander R. Brucoleri³
J. Space Weather Space Clim. 2020, 10, 37
<https://doi.org/10.1051/swsc/2020040>
<https://www.swsc-journal.org/articles/swsc/pdf/2020/01/swsc200031.pdf>

Single ICMEs and Complex Transient Structures in the Solar Wind in 2010 – 2011

D. [Rodkin](#), [V. Slemzin](#), [A. N. Zhukov](#), [F. Goryaev](#), [Y. Shugay](#), [I. Veselovsky](#)
[Solar Physics](#) May 2018, 293:78
<https://link.springer.com/content/pdf/10.1007%2Fs11207-018-1295-4.pdf>

11-17 Feb

PHOTOSPHERIC FLUX CANCELLATION AND THE BUILD-UP OF SIGMOIDAL FLUX ROPES ON THE SUN

A. S. Savcheva^{1,2}, L. M. Green³, A. A. van Ballegooijen¹, and E. E. DeLuca
2012 ApJ 759 105

12 Feb – 07:31 – C7.9 вспышка, **пересвет** на STEREO-B, $B=10^2/296=0.068$
11:26 – M8.3 вспышка, **пересвет** на STEREO-B, $B=80^2/296=0.54$
18:18 – M1.1 вспышка, **пересвет** на STEREO-A, $A=25^2/312=0.16$

February 12:

First detection of metric emission from a solar surge

[C. E. Alissandrakis](#), [S. Patsourakos](#), [A. Nindos](#), [C. Bouratzis](#), [A. Hillaris](#)
A&A 2022
<https://arxiv.org/pdf/2203.01043.pdf>

Multi-wavelength Observations of a Metric Type-II Event

[C. E. Alissandrakis](#), [A. Nindos](#), [S. Patsourakos](#), [A. Hillaris](#)
A&A 654, A112 2021
<https://arxiv.org/pdf/2108.02855.pdf>
<https://www.aanda.org/articles/aa/pdf/2021/10/aa41672-21.pdf>
<https://doi.org/10.1051/0004-6361/202141672>
CESRA # 3140 2021 <https://www.astro.gla.ac.uk/users/eduard/cesra/?p=3140>

Catalog of Hard X-ray Solar Flares Detected with Mars Odyssey/HEND from the Mars Orbit in 2001-2016

M.A. [Livshits](#), I.V. Zimovets, D.V. Golovin, [B.A. Nizamov](#), [V.I. Vybornov](#), [I.G. Mitrofanov](#), [A.S. Kozyrev](#), [M.L. Litvak](#), [A.B. Sanin](#), [V.I. Tretyakov](#)
Astronomy Reports 2017
<https://arxiv.org/pdf/1706.01116.pdf>

Association of 3He-Rich Solar Energetic Particles with Large-Scale Coronal Waves

Radoslav [Bucik](#), Davina E. Innes, Glenn M. Mason, Mark E. Wiedenbeck
2016
<http://arxiv.org/pdf/1609.05346v1.pdf>

Last news on zebra pattern

Gennady [Chernov](#)
Solar Phys. 2016
<http://arxiv.org/ftp/arxiv/papers/1512/1512.06311.pdf>

Evolution and Consequences of Coronal Mass Ejections in the Heliosphere

[Wageesh Mishra](#)

The **thesis** was submitted in Mar 2015 to MLS university, Udaipur, for which the university granted the degree in Jan 2016
<https://arxiv.org/pdf/2204.09879.pdf>

Why does the apparent mass of a coronal mass ejection increase?

Li **Feng**, Yuming Wang, [Fang Shen](#), [Chenglong Shen](#), [Bernd Inhester](#), [Lei Lu](#), [Weiqun Gan](#)
ApJ **2015**
<http://arxiv.org/pdf/1509.02246v1.pdf>

A Simple Way to Estimate the Soft X-ray Class of Far-Side Solar Flares Observed with STEREO/EUVI

I.M. **Chertok** (1), A.V. Belov (1), V.V. Grechnev (2)
Solar Phys. **2015**

РАДИОИЗЛУЧЕНИЕ СОЛНЕЧНОЙ ВСПЫШКИ 12.02.2010 г. И РЕЖИМЫ УСКОРЕНИЯ ЭЛЕКТРОНОВ

Р. В. **Горгуца**¹, В. А. Ковалев¹, И. Г. Костюченко², А. К. Маркеев¹, Д. Е. Соболев¹, В. В. Фомичев
ГЕОМАГНЕТИЗМ И АЭРОНОМИЯ, **2015**, том 55, № 3, с. 1–5

Fine structural features of radio-frequency radiation of the solar flare of February 12, 2010

Chernov, G. P.; [Fomichev, V. V.](#); [Gorgutsa, R. V.](#); [Markeev, A. K.](#); [Sobolev, D. E.](#); [Hillaris, A.](#); [Alissandrakis, K.](#)

Geomagnetism and Aeronomy, Volume 54, Issue 4, pp.406-415, **2014**

DOI: [10.1134/S0016793214040021](https://doi.org/10.1134/S0016793214040021)

A Comparison of Reconstruction Methods for the Estimation of Coronal Mass Ejections Kinematics Based on SECCHI/HI Observations

Wageesh **Mishra**, Nandita Srivastava, and Jackie A. Davies
2014 ApJ 784 135
<http://arxiv.org/pdf/1407.8446v1.pdf>

Estimating the Arrival Time of Earth-directed Coronal Mass Ejections at in Situ Spacecraft Using COR and HI Observations from STEREO

Wageesh **Mishra** and Nandita Srivastava
2013 ApJ 772 70
<http://arxiv.org/pdf/1306.1397v1.pdf>

Understanding shock dynamics in the inner heliosphere with modeling and type ii radio data: a statistical study[†]

H. **Xie**, O. C. St. Cyr, N. Gopalswamy, D. Odstrcil, H. Cremades
JGR, **2013**, File

OBSERVATIONS OF SOLAR ENERGETIC PARTICLES FROM 3He-RICH EVENTS OVER A WIDE RANGE OF HELIOGRAPHIC LONGITUDE

M. E. **Wiedenbeck**¹, G. M. Mason², C. M. S. Cohen³, N. V. Nitta⁴, R. Gómez-Herrero^{5,6}, and D. K Haggerty
2013 ApJ 762 54

IMPULSIVE ACCELERATION OF CORONAL MASS EJECTIONS. II. RELATION TO SOFT X-RAY FLARES AND FILAMENT ERUPTIONS

B. M. Bein¹, **S. Berkebile-Stoiser**¹, **A. M. Veronig**¹, **M. Temmer**¹, and **B. Vršnak**
2012 ApJ 755 44, File

Multi-Wavelength Observations of a Flux Rope Failed in the Eruption and Associated M-Class Flare from NOAA AR 11045

Pankaj **Kumar**^{1;2} _ A.K. Srivastava^{1;4} _B. Filippov³ _ R. Erdelyi⁴ _ Wahab Uddin¹
E-print, July **2011**, File;

Чернов Г.П., Фомичев В.В., Горгуца Р.В., Маркеев А.К., Соболев Д.Е. **Сложные жгуты волокон в диапазоне 180 – 270 МГц в явлении 12 февраля 2010 г.** ИКИ, февр. 2011 г.

12-14 Feb

Long-lived energetic particle source regions on the Sun

R. **Bucik**, D. E. Innes, N.-H. Chen, G. M. Mason, R. Gomez-Herrero, M. E. Wiedenbeck

Journal of Physics: Conference Series **2015**

<http://arxiv.org/pdf/1507.02840v1.pdf>

February 13: STEREO Earth-directed CME

Coronal mass ejections and radio related aspects

M. **Temmer**

CESRA_2010, Presentation File

14 Feb

Long-lived energetic particle source regions on the Sun

R. **Bucik**, D. E. Innes, N.-H. Chen, G. M. Mason, R. Gomez-Herrero, M. E. Wiedenbeck

Journal of Physics: Conference Series **2015**

<http://arxiv.org/pdf/1507.02840v1.pdf>

Self-similar expansion of solar coronal mass ejections: implications for Lorentz self-force driving

Prasad **Subramanian**, K. P. Arunbabu, Angelos Vourlidas, Adwiteey Mauriya

ApJ, **2014**

<http://arxiv.org/pdf/1406.0286v1.pdf>

February 17

THE TEMPERATURE DEPENDENCE OF SOLAR ACTIVE REGION OUTFLOWS

Harry P. **Warren**, Ignacio Ugarte-Urra¹, Peter R. Young¹, and Guillermo Stenborg²

Astrophysical Journal, 727:58 (5pp), **2011** January

18 Feb

Energy spectra of 3He-rich solar energetic particles associated with coronal waves

R. **Bucik**, D. E. Innes, G. M. Mason, M. E. Wiedenbeck

Presented at 15th Annual International Astrophysics Conference "The Science of Ed Stone". Journal of Physics: Conference Series **2016**

<http://arxiv.org/pdf/1609.07266v1.pdf>

19 Feb

Association of 3He-Rich Solar Energetic Particles with Large-Scale Coronal Waves

Radoslav **Bucik**, Davina E. Innes, Glenn M. Mason, Mark E. Wiedenbeck

2016

<http://arxiv.org/pdf/1609.05346v1.pdf>

20 Feb

OBSERVATIONS OF SOLAR ENERGETIC PARTICLES FROM 3He-RICH EVENTS OVER A WIDE RANGE OF HELIOGRAPHIC LONGITUDE

M. E. **Wiedenbeck**¹, G. M. Mason², C. M. S. Cohen³, N. V. Nitta⁴, R. Gómez-Herrero^{5,6}, and D. K Haggerty

2013 ApJ 762 54

February 22

Electron Spikes, Type III Radio Bursts and EUV Jets on 22 February 2010

A. [Klassen](#), R. Gómez-Herrero and B. Heber

Solar Physics, Volume 273, Number 2, 413-419, 2011

February 24: После 07 UT эрупция крупного волокна от SE лимба до южной/центральной АО. См. **Event**

http://www.spaceweather.com/swpod2010/25feb10/filament_strip_anim.gif?PHPSESSID=no1s0th310qb4v6bhjmu6e5kf5

25 Feb

Comparing the Heliospheric Cataloging, Analysis, and Techniques Service (HELCASTS) Manual and Automatic Catalogues of Coronal Mass Ejections Using Solar Terrestrial Relations Observatory/Heliospheric Imager (STEREO/HI) Data

L. [Rodriguez](#), D. Barnes,S. Poedts

[Solar Physics](#) volume 297, Article number: 23 (2022)

<https://link.springer.com/content/pdf/10.1007/s11207-022-01959-w.pdf>

26 Feb

Inferring the Solar Wind Velocity in the Outer Corona Based on Multiview Observations of Small-scale Transients by STEREO/COR2

Shaoyu [Lyu](#)^{1,2}, Yuming Wang^{1,2,3}, Xiaolei Li^{1,2}, Quanhao Zhang^{1,2,4}, and Jiajia Liu^{1,2,4}
2024 ApJ 962 170

<https://iopscience.iop.org/article/10.3847/1538-4357/ad1dd5/pdf>

February 28: STEREO (Ahead) watched as a strong coronal mass ejection (CME) and an eruptive prominence rose up and stretched way out above the Sun's surface (Feb. 28, 2010).

A back-sided northern hemisphere filament eruption was the likely source of a CME observed starting in LASCO C3 images at 16:42 UTC on Feb.28.

The far side of the sun is alive with activity. On Feb. 28th, NASA's twin STEREO spacecraft observed one and perhaps two clouds of material [blasting away](#) from a high-latitude, site not visible from Earth. The Solar and Heliospheric Observatory (SOHO) recorded [this movie](#) of the clouds billowing over the sun's northern limb. So far, none of this activity appears to be Earth-directed.

Inflows in the Inner White-light Corona: The Closing-down of Flux after Coronal Mass Ejections

P. [Hess](#) and Y.-M. Wang

2017 ApJ 850 6

<http://sci-hub.cc/10.3847/1538-4357/aa921d>

Origins of Rolling, Twisting and Non-Radial Propagation of Eruptive Solar Events

Olga [Panasenco](#), Sara F. Martin, Marco Velli, Angelos Vourlidas

E-print, Dec 2012; Solar Phys., 2013, Volume 287, Issue 1-2, pp 391-413

How Many CMEs Have Flux Ropes? Deciphering the Signatures of Shocks, Flux Ropes, and Prominences in Coronagraph Observations of CMEs

A. [Vourlidas](#), B.J. Lynch, R.A. Howard, Y. Li

E-print, July 2012, **File**; Solar Phys.

March 1, >21: NE limb flare and eruption, See Events

Self-similar expansion of solar coronal mass ejections: implications for Lorentz self-force driving

Prasad [Subramanian](#), K. P. Arunbabu, Angelos Vourlidas, Adwiteey Mauriya

ApJ, 2014

<http://arxiv.org/pdf/1406.0286v1.pdf>

4 March – 16:16 – C2.2 **пересвет** $A=35^2/312=0,22 <--$ **16 s**; **8 s** $\rightarrow L/R_s=0.112$

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole **Muhr**, Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., **2014**

<http://arxiv.org/pdf/1408.2513v1.pdf>

March 6, NE filament eruption, See Events

7 March

A Statistical Study of Solar Radio Type III Bursts and Space Weather Implication

[Theogene Ndacyavisenga](#), [Jean Uwamahoro](#), [K. Sasikumar Raja](#), [Christian Monstein](#)

Advances in Space Research **2020**

<https://arxiv.org/pdf/2012.01210.pdf>

9 Mar

Inferring the Solar Wind Velocity in the Outer Corona Based on Multiview Observations of Small-scale Transients by STEREO/COR2

Shaoyu **Lyu**^{1,2}, Yuming Wang^{1,2,3}, Xiaolei Li^{1,2}, Quanhao Zhang^{1,2,4}, and Jiajia Liu^{1,2,4}
2024 ApJ 962 170

<https://iopscience.iop.org/article/10.3847/1538-4357/ad1dd5/pdf>

10-16 March

Study of the decay rates of the umbral area of sunspot groups by using a high resolution database

Judit **Muraközy**

ApJ **2020**

March 12

Using Stereoscopic Observations of Cometary Plasma Tails to Infer Solar Wind Speed

Long **Cheng**^{1,2,3}, Quanhao Zhang^{1,2,3}, Yuming Wang^{1,2,3}, Xiaolei Li^{1,2,3}, and Rui Liu
2020 ApJ 897 87

<https://sci-hub.tw/https://iopscience.iop.org/article/10.3847/1538-4357/ab93b6>

AUTOMATIC DETECTION AND TRACKING OF CORONAL MASS EJECTIONS. II. MULTISCALE FILTERING OF CORONAGRAPH IMAGES

Jason P. **Byrne**¹, Huw Morgan^{1,2}, Shadia R. Habbal¹, and Peter T. Gallagher

2012 ApJ 752 145 **File**

March 13_14, >22: NE flare and eruption, **See Events**

A partial halo CME was observed in LASCO images early in the day after a C1.5 flare in region 11054 at 23:36 UTC on March 13. The CME was complex with mass ejected near region 11054, across the central meridian and into the northwest limb. Actually there may have been two CMEs occurring at nearly the same time and it is uncertain if the apparent single CME observed in LASCO images is actually two distinct CMEs.

STEREO-Wind Radio Positioning of an Unusually Slow Drifting Event

J.C. **Martínez-Oliveros**, C. Raftery, H. Bain, Y. Liu, M. Pulupa, P. Saint-Hilaire, P. Higgins, V. Krupar, Säm Krucker, S.D. Bale

Solar Phys., **2014**

<http://arxiv.org/pdf/1410.3352v1.pdf>

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole [Muh](#), Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., 2014

<http://arxiv.org/pdf/1408.2513v1.pdf>

March 14, >12: NE flare and eruption, **See Events**

Evolution and Consequences of Coronal Mass Ejections in the Heliosphere

[Wageesh Mishra](#)

The **thesis** was submitted in Mar 2015 to MLS university, Udaipur, for which the university granted the degree in Jan 2016

<https://arxiv.org/pdf/2204.09879.pdf>

Estimating the Arrival Time of Earth-directed Coronal Mass Ejections at in Situ Spacecraft Using COR and HI Observations from STEREO

Wageesh [Mishra](#) and Nandita Srivastava

2013 ApJ 772 70

<http://arxiv.org/pdf/1306.1397v1.pdf>

NEW SOLAR EXTREME-ULTRAVIOLET IRRADIANCE OBSERVATIONS DURING FLARES

Thomas N. [Woods](#)^{1,9}, Rachel Hock¹, Frank Eparvier¹, Andrew R. Jones¹, Phillip C. Chamberlin², James A. Klimchuk², Leonid Didkovsky³, Darrell Judge³, John Mariska⁴, Harry Warren⁴, Carolus J. Schrijver⁵, David F. Webb⁶, Scott Bailey⁷ and W. Kent Tobiska

2011 ApJ 739 59

March 18

A solar type II radio burst from CME-coronal ray interaction: simultaneous radio and EUV imaging

Yao [Chen](#), Guohui Du, Li Feng, Shiwei Feng, Xiangliang Kong, Fan Guo, Bing Wang, Gang Li

2014

<http://arxiv.org/pdf/1404.3052v1.pdf>

First multiple type II burst recorded at Humain associated with the CME/flare event on 18 March 2010

J. [Magdalenic](#), C. Marque, A.N.Zhukov, D.Berghmans, B.Nicula, I. Dammasch

CEARA_2010, Presentation File

March 19

Predicting the Time-of-Arrival of Coronal Mass Ejections at Earth From Heliospheric Imaging Observations

Carlos Roberto [Braga](#), [Angelos Vourlidas](#), [Guillermo Stenborg](#), [Alisson Dal Lago](#), [Rafael Rodrigues Souza de Mendonça](#), [Ezequiel Echer](#)

JGR 2020

<https://arxiv.org/pdf/2008.09005.pdf>

Dynamics of solar Coronal Mass Ejections: forces that impact their propagation

Nishtha [Sachdeva](#)

Ph.D. **Thesis** 2019

<https://arxiv.org/pdf/1907.12673.pdf>

Quantitative Comparison of Methods for Predicting the Arrival of Coronal Mass Ejections at Earth based on multi-view imaging†

R. C. **Colaninno***, A. Vourlidas, C. C. Wu
Journal of Geophysical Research: Space Physics, Nov **2013**; File
<http://arxiv.org/pdf/1310.6680v2.pdf>

March 19-23

CME propagation: Where does the solar wind drag take over?

Nishtha **Sachdeva**, Prasad Subramanian, Robin Colaninno, Angelos Vourlidas
ApJ **2015**
<http://arxiv.org/pdf/1507.05199v1.pdf>

March 21

Allen Telescope Array Multi-frequency Observations of the Sun

P. **Saint-Hilaire**, G. J. Hurford, G. Keating, G. C. Bower and C. Gutierrez-Kraybill
E-print, Nov 2011
Solar Physics, Volume 277, Number 2, 431-445, **2012**, E-print File

March 23

Quantitative Comparison of Methods for Predicting the Arrival of Coronal Mass Ejections at Earth based on multi-view imaging†

R. C. **Colaninno***, A. Vourlidas, C. C. Wu
Journal of Geophysical Research: Space Physics, Nov **2013**; File
<http://arxiv.org/pdf/1310.6680v2.pdf>

25 March

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole **Muhr**, Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein
Solar Phys., **2014**
<http://arxiv.org/pdf/1408.2513v1.pdf>

26 March

Self-similar expansion of solar coronal mass ejections: implications for Lorentz self-force driving

Prasad **Subramanian**, K. P. Arunbabu, Angelos Vourlidas, Adwiteey Mauriya
ApJ, **2014**
<http://arxiv.org/pdf/1406.0286v1.pdf>

March 27:

FIRST SPECTROSCOPIC IMAGING OBSERVATIONS OF THE SUN AT LOW RADIO FREQUENCIES WITH THE MURCHISON WIDEFIELD ARRAY PROTOTYPE

Divya **Oberoi**¹, Lynn D. Matthews¹, Iver H. Cairns², David Emrich³, Vasili Lobzin², Colin J. Lonsdale¹,
et al.
Astrophysical Journal Letters, 728:L27 (7pp), **2011** February; File

March 30: SE prominence eruption

SDO http://science.nasa.gov/science-news/science-at-nasa/2010/21apr_firstlight/

Observational Evidence for a Double-Helix Structure in CMEs and Magnetic Clouds

Vladimir **Osherovich**, Joseph Fainberg, Alla Webb
Solar Physics, May **2013**, Volume 284, Issue 1, pp 261-274

Kinematics and helicity evolution of a loop-like eruptive prominence

K. [Koleva](#)¹, M. S. Madjarska², P. Duchlev¹, C. J. Schrijver⁵, J.-C. Vial^{3,4}, E. Buchlin^{3,4} and M. Dechev
E-print, 14 Feb 2012; A&A 540, A127 (2012)

April 3: A long duration event in region 11059 was associated with a partial halo CME. Хорошая корональная волна. Все это хорошо видно в разных ракурсах также на STEREO-A and B. !!!Событие очень похоже на 12 мая 1997!!!
5-6d: форбуш ~3%, буря Dst~80 nT, Хорошие заблаговременные оценки,
See Events

http://www.esa.int/esaMI/Proba/SEMM5H9MT7G_0.html

Deciphering the Evolution of Thermodynamic Properties and their Connection to the Global Kinematics of High-Speed Coronal Mass Ejections Using FRIS Model

[Soumyaranjan Khuntia](#), [Wageesh Mishra](#), [Yuming Wang](#), [Sudheer K Mishra](#), [Teresa Nieves-Chinchilla](#), [Shaoyu Lyu](#)

MNRAS 2024

<https://arxiv.org/pdf/2411.03639>

Effects of background solar wind and drag force on the propagation of coronal mass ejection driven shock

Chin-Chun [Wu](#) (1), [Kan Liou](#) (2), [Brian E. Wood](#) (1), [Lynn Hutting](#) (1)

2024

<https://arxiv.org/pdf/2411.00747>

Non-conventional Approach for Deriving the Radial Sizes of Coronal Mass Ejections at Different Instances: Discrepancies in the Estimates Between Remote and In Situ Observations

Anjali [Agarwal](#), [Wageesh Mishra](#)

MNRAS 2024

MHD modeling of a geoeffective interplanetary CME with the magnetic topology informed by in-situ observations

E. [Provornikova](#), [V.G. Merkin](#), [A. Vourlidas](#), [A. Malanushenko](#), [S.E. Gibson](#), [E. Winter](#), [N. Arge](#)

ApJ 2024

<https://arxiv.org/pdf/2405.13069>

The Evolution of Ion Charge States in Coronal Mass Ejections

[J. Martin Laming](#), [Elena Provornikova](#), [Yuan-Kuen Ko](#)

ApJ 2023

<https://arxiv.org/pdf/2307.15762.pdf>

Determination of CME orientation and consequences for their propagation

[Karmen Martinic](#), [Mateja Dumbovic](#), [Manula Temmer](#), [Astrid Veronig](#), [Bojan Vršnak](#)

A&A 2022

<https://arxiv.org/pdf/2204.10112.pdf>

Arrival Time Estimates of Earth-Directed CME-Driven Shocks

K. [Suresh](#), [N. Gopalswamy](#) & [A. Shanmugaraju](#)

Solar Physics volume 297, Article number: 3 (2022)

<https://doi.org/10.1007/s11207-021-01914-1>

<https://link.springer.com/content/pdf/10.1007/s11207-021-01914-1.pdf>

Drag-based model (DBM) tools for forecast of coronal mass ejection arrival time and speed **Review**

Mateja **Dumbovic**, Jasa Calogovic, Karmen Martinic, Bojan Vrsnak, Davor Sudar, Manuela Temmer, and Astrid Veronig

Front. Astron. Space Sci., 13 May 2021 |

<https://doi.org/10.3389/fspas.2021.639986>

<https://www.frontiersin.org/articles/10.3389/fspas.2021.639986/full>

Uncovering Erosion Effects on Magnetic Flux Rope Twist

Sanchita **Pal**, [Emilia Kilpua](#), [Simon Good](#), [Jens Pomoell](#), [Daniel J. Price](#)

A&A 2021

<https://arxiv.org/pdf/2104.03569.pdf>

Drag-based model (DBM) tools for forecast of coronal mass ejection arrival time and speed **Review**

Mateja **Dumbovic**, [Jasa Calogovic](#), [Karmen Martinic](#), [Bojan Vrsnak](#), [Davor Sudar](#), [Manuela Temmer](#), [Astrid Veronig](#)

Frontiers March 24th 2021

<https://arxiv.org/pdf/2103.14292.pdf>

Radial velocity map of solar wind transients in the field of view of STEREO/HI1 on 3 and 4 April 2010

Xiaolei **Li**, [Yuming Wang](#), [Jingnan Guo](#), [Rui Liu](#), [Bin Zhuang](#)

A&A 2021

<https://arxiv.org/pdf/2103.04740.pdf>

Predicting the Time-of-Arrival of Coronal Mass Ejections at Earth From Heliospheric Imaging Observations

Carlos Roberto **Braga**, [Angelos Vourlidis](#), [Guillermo Stenborg](#), [Alisson Dal Lago](#), [Rafael Rodrigues Souza de Mendonça](#), [Ezequiel Echer](#)

JGR 2020

<https://arxiv.org/pdf/2008.09005.pdf>

Concept of the Solar Ring Mission: An overview

YuMing **Wang**, [HaiSheng Ji](#), [YaMin Wang](#), [LiDong Xia](#), [ChengLong Shen](#), et al.

Science China Technological Sciences volume 63, pages 1699–1713 (2020)

<https://link.springer.com/content/pdf/10.1007/s11431-020-1603-2.pdf>

<https://doi.org/10.1007/s11431-020-1603-2>

Polarisation and source structure of solar stationary type IV radio bursts★

Carolina **Salas-Matamoros**¹ and Karl-Ludwig Klein

A&A 639, A102 (2020)

<https://www.aanda.org/articles/aa/pdf/2020/07/aa37989-20.pdf>

Probing the Thermodynamic State of a Coronal Mass Ejection (CME) Up to 1 AU

Wageesh **Mishra**, Yuming Wang, Luca Teriaca, Jie Zhang, and Yutian Chi

Front. Astron. Space Sci., 30 January 2020 | <https://doi.org/10.3389/fspas.2020.00001>

<https://www.frontiersin.org/articles/10.3389/fspas.2020.00001/pdf>

Dynamics of solar Coronal Mass Ejections: forces that impact their propagation

Nishtha **Sachdeva**

Ph.D. **Thesis** 2019

<https://arxiv.org/pdf/1907.12673.pdf>

3D Reconstruction and Interplanetary Expansion of the 2010 April 3rd CME

Martina **Rodari**, [Mateja Dumbović](#), [Manuela Temmer](#), [Lukas M. Holzkecht](#), [Astrid Veronig](#)

3D Polarized Imaging of Coronal Mass Ejections: Chirality of a CME

C. E. **DeForest**¹, C. A. de Koning², and H. A. Elliott¹

2017 ApJ 850 130

<http://iopscience.iop.org/article/10.3847/1538-4357/aa94ca/pdf>

Multi-viewpoint Coronal Mass Ejection Catalog Based on STEREO COR2 Observations

Angelos **Vourlidas**^{1,4}, Laura A. Balmaceda^{2,5,6}, Guillermo Stenborg³, and Alisson Dal Lago²

2017 ApJ 838 141 **File**

<http://sci-hub.cc/10.3847/1538-4357/aa67f0>

Predicting the magnetic vectors within coronal mass ejections arriving at Earth: 2. Geomagnetic response

N. P. **Savani**, A. Vourlidas, I. G. Richardson, A. Szabo, B. J. Thompson, A. Pulkkinen, M. L. Mays, T. Nieves-Chinchilla, V. Bothmer

Space Weather Volume 15, Issue 2 February 2017 Pages 441–461 DOI: 10.1002/2016SW001458

<http://onlinelibrary.wiley.com/doi/10.1002/2016SW001458/full>

<http://sci-hub.cc/10.1002/2016SW001458>

Predicting the Magnetic Field of Earth-impacting CMEs

C. **Kay**¹, N. Gopalswamy¹, A. Reinard², and M. Opher³

2017 ApJ 835 117

<http://sci-hub.cc/doi/10.3847/1538-4357/835/2/117>

A STEREO Survey of Magnetic Cloud Coronal Mass Ejections Observed at Earth in 2008-2012

Brian E. **Wood**, Chin-Chun Wu, Ronald P. Lepping, Teresa Nieves-Chinchilla, Russell A. Howard, Mark G. Linton, Dennis G. Socker

Astrophysical Journal Supplement 2017 **File**

<https://arxiv.org/pdf/1701.01682v1.pdf>

Predicting the magnetic vectors within coronal mass ejections arriving at Earth:

2. Geomagnetic response: BZ VALIDATION

N. P. **Savani**^{1,2}, A. Vourlidas³, I. G. Richardson^{4,2}, A. Szabo², B. J. Thompson², A. Pulkkinen², M. L. Mays^{5,2}, T. Nieves-Chinchilla^{5,2}, V. Bothmer⁶

Space Weather 2016

Large gradual solar energetic particle events

Review

Mihir **Desai**, Joe Giacalone

Living Reviews in Solar Physics, December 2016, 13:3

<http://solarphysics.livingreviews.org/>

Automated Detection of Coronal Mass Ejections in STEREO Heliospheric Imager data

V. **Pant**, S. Willems, L. Rodriguez, M. Mierla, D. Banerjee, J. A. Davies

ApJ 2016

<https://arxiv.org/pdf/1610.01904v1.pdf>

Evolution and Consequences of Coronal Mass Ejections in the Heliosphere

Wageesh Mishra

The **thesis** was submitted in Mar 2015 to MLS university, Udaipur, for which the university granted the degree in Jan 2016

<https://arxiv.org/pdf/2204.09879.pdf>

Why does the apparent mass of a coronal mass ejection increase?

Li **Feng**, Yuming Wang, [Fang Shen](#), [Chenglong Shen](#), [Bernd Inhester](#), [Lei Lu](#), [Weiqun Gan](#)
ApJ **2015**
<http://arxiv.org/pdf/1509.02246v1.pdf>

An Application of the Stereoscopic Self-Similar-Expansion Model to the Determination of CME-Driven Shock Parameters

L. **Volpes**, V. Bothmer
Solar Phys. **2015**
<http://arxiv.org/pdf/1509.03181v1.pdf>

Predicting the magnetic vectors within coronal mass ejections arriving at Earth

1. Initial architecture

Savani, N. P.; Vourlidas, A.; Szabo, A.; Mays, M. L.; Thompson, B. J.; Richardson, I. G.; Evans, R.; Pulkkinen, A.; Nieves-Chinchilla, T.
Space Weather, Volume 13, Issue 6 June **2015** Pages 374–385,
<http://arxiv.org/pdf/1502.02067v1.pdf> **File**
<http://onlinelibrary.wiley.com/doi/10.1002/2015SW001171/full>

Using a 3-D MHD simulation to interpret propagation and evolution of a coronal mass ejection observed by multiple spacecraft: The 3 April 2010 event

Yufen **Zhou**^{1,2}, Xueshang Feng^{1,*} and Xinhua Zhao
Volume 119, Issue 12, pages 9321–9333, December **2014**
<http://onlinelibrary.wiley.com/doi/10.1002/2014JA020347/pdf>

A Comparison of Reconstruction Methods for the Estimation of Coronal Mass Ejections Kinematics Based on SECCHI/HI Observations

Wageesh **Mishra**, Nandita Srivastava, and Jackie A. Davies
2014 ApJ 784 135
<http://arxiv.org/pdf/1407.8446v1.pdf>

Connecting speeds, directions and arrival times of 22 coronal mass ejections from the Sun to 1 AU

C. **Möstl**, K. Amla, J. R. Hall, P. C. Liewer, E. M. De Jong, R. C. Colaninno, A. M. Veronig, T. Rollett, M. Temmer, V. Peinhart, J. A. Davies, N. Lugaz, Y. D. Liu, C.J. Farrugia, J. G. Luhmann, B. Vršnak, R. A. Harrison, A. B. Galvin
ApJ, **2014**
<http://arxiv.org/pdf/1404.3579v1.pdf>

Shearing motions and torus instability in the 2010 April 3 filament eruption

Zuccarello, F. P.; Romano, P.; Zuccarello, F.; Poedts, S.
Nature of Prominences and their role in Space Weather, Proceedings of the International Astronomical Union, IAU Symposium, Volume 300, pp. 475-476, **2014**

Kinematic Properties of Slow ICMEs and an Interpretation of a Modified Drag Equation for Fast and Moderate ICMEs

T. **Iju**, M. Tokumaru, K. Fujiki
Solar Physics, June **2014**, Volume 289, Issue 6, pp 2157-2175
<http://arxiv.org/pdf/1401.1724v1.pdf>

Three-Dimensional Evolution of Flux-Rope CMEs and Its Relation to the Local Orientation of the Heliospheric Current Sheet

A. **Isavnin**, A. Vourlidas, E. K. J. Kilpua
Solar Phys., **2014**, **File**

Space Weather and Coronal Mass Ejections **Book**

Timothy A. **Howard**

Springer, 2013

http://books.google.ru/books?id=ihO4BAAAQBAJ&pg=PA97&lpg=PA97&dq=DeForest,+C.+E.&source=bl&ots=XIvsgYLFfB&sig=525J_9PFZBGda9BsysLsvRRQh34&hl=ru&sa=X&ei=HxlfVOr7HoG6PdDNgegL&ved=0CC4O6AEwBQ#v=onepage&q=DeForest%2C%20C.%20E.&f=false

Estimating the Arrival Time of Earth-directed Coronal Mass Ejections at in Situ Spacecraft Using COR and HI Observations from STEREO

Wageesh **Mishra** and Nandita Srivastava

2013 ApJ 772 70

<http://arxiv.org/pdf/1306.1397v1.pdf>

Quantitative Comparison of Methods for Predicting the Arrival of Coronal Mass Ejections at Earth based on multi-view imaging†

R. C. **Colaninno***, A. Vourlidas, C. C. Wu

Journal of Geophysical Research: Space Physics, Nov 2013; File

<http://arxiv.org/pdf/1310.6680v2.pdf>

Understanding shock dynamics in the inner heliosphere with modeling and type ii radio data: a statistical study‡

H. **Xie**, O. C. St. Cyr, N. Gopalswamy, D. Odstrcil, H. Cremades

JGR, 2013, File

THE HEIGHT EVOLUTION OF THE "TRUE" CORONAL MASS EJECTION MASS DERIVED FROM STEREO COR1 AND COR2 OBSERVATIONS

B. M. **Bein**¹, M. Temmer¹, A. Vourlidas², A. M. Veronig¹, and D. Utz

2013 ApJ 768 31; File

The Two Sources of Solar Energetic Particles

Review

Donald V. **Reames**

Space Science Reviews, 2013

Fig. 9

Magnetic Flux of EUV Arcade and Dimming Regions as a Relevant Parameter for Early Diagnostics of Solar Eruptions – Sources of Non-recurrent Geomagnetic Storms and Forbush Decreases

I. M. **Chertok**, V. V. Grechnev, A. V. Belov, A. A. Abunin

Solar Physics, January 2013, Volume 282, Issue 1, pp 175-199

On the Nature and Genesis of EUV Waves: A Synthesis of Observations from SOHO, STEREO, SDO, and Hinode

Review

Spiros **Patsourakos** ¹ _ Angelos Vourlidas

arXiv-print, 2012, File; Solar Physics, Special Issue "The Sun in 360", 2012,

Understanding Shock Dynamics in the Inner Heliosphere with Modeling and Type II Radio Data: the 2010-04-03 event

H. **Xie**, D. Odstrcil, L. Mays, O. C. St. Cyr, N. Gopalswamy, and H. Cremades

Journal of Geophysical Research, , Vol. 117, No. A4, A04105, 2012, preprint File

The role of photospheric shearing motions in a filament eruption related to the 2010 April 3 coronal mass ejection A28

F. P. **Zuccarello**, P. Romano, F. Zuccarello and S. Poedts

A&A 537, A28 (2012)

<https://www.aanda.org/articles/aa/pdf/2012/01/aa17563-11.pdf>

INFLUENCE OF THE AMBIENT SOLAR WIND FLOW ON THE PROPAGATION BEHAVIOR OF INTERPLANETARY CORONAL MASS EJECTIONS

Manuela [Temmer](#)¹, Tanja Rollett^{1,2}, Christian Möstl^{1,2}, Astrid M. Veronig¹, Bojan Vršnak³ and Dusan Odstrčil
2011 ApJ 743 101, [File](#)

SOLAR SOURCE AND HELIOSPHERIC CONSEQUENCES OF THE 2010 APRIL 3 CORONAL MASS EJECTION: A COMPREHENSIVE VIEW

Ying [Liu](#)¹, Janet G. Luhmann¹, Stuart D. Bale¹ and Robert P. Lin
2011 ApJ 734 84, [File](#)

EMPIRICAL RECONSTRUCTION AND NUMERICAL MODELING OF THE FIRST GEOEFFECTIVE CORONAL MASS EJECTION OF SOLAR CYCLE 24

B. E. [Wood](#)¹, C.-C. Wu¹, R. A. Howard¹, D. G. Socker¹, and A. P. Rouillard²
Astrophysical Journal, 729:70 (10pp), 2011 March, [File](#)

SWAP–SECCHI OBSERVATIONS OF A MASS-LOADING TYPE SOLAR ERUPTION

Daniel B. [Seaton](#)¹, Marilena Mierla^{1,2,3}, David Berghmans¹, Andrei N. Zhukov^{1,4}, and Laurent Dolla¹
Astrophysical Journal Letters, 727:L10 (5pp), 2011 January; [File](#)

STEREO and Wind observations of a fast ICME flank triggering a prolonged geomagnetic storm on 5-7 April 2010

[Moestl](#), C., M. Temmer, T. Rollett, C.J. Farrugia, Y. Liu, A. Veronig, M. Leitner, A.B. Galvin, H.K. Biernat
E-print, Oct 2010, [File](#), Geophys. Res. Lett., 37, L24103, doi:10.1029/2010GL045175, 2010.

April 3-5

Effects of background solar wind and drag force on the propagation of coronal mass ejection driven shock

Chin-Chun [Wu](#) (1), [Kan Liou](#) (2), [Brian E. Wood](#) (1), [Lynn Hutting](#) (1)
2024
<https://arxiv.org/pdf/2411.00747>

Determination of CME orientation and consequences for their propagation

[Karmen Martinic](#), [Mateja Dumbovic](#), [Manula Temmer](#), [Astrid Veronig](#), [Bojan Vršnak](#)
A&A 2022
<https://arxiv.org/pdf/2204.10112.pdf>

Radial velocity map of solar wind transients in the field of view of STEREO/HI1 on 3 and 4 April 2010

Xiaolei [Li](#), [Yuming Wang](#), [Jingnan Guo](#), [Rui Liu](#)¹, [Bin Zhuang](#)
A&A 2021
<https://arxiv.org/pdf/2103.04740.pdf>

Reconstructing solar wind inhomogeneous structures from stereoscopic observations in white-light: Solar wind transients in 3D

Xiaolei [Li](#), [Yuming Wang](#), [Rui Liu](#), [Chenglong Shen](#), [Quanhao Zhang](#), [Shaoyu Lyu](#), [Bin Zhuang](#), [Fang Shen](#), [Jiajia Liu](#), [Yutian Chi](#)
JGR 2020
<https://arxiv.org/ftp/arxiv/papers/2005/2005.01238.pdf>

Concept of the Solar Ring Mission: Overview

Yuming [Wang](#), [Haisheng Ji](#), [Yamin Wang](#), [Lidong Xia](#), [Chenglong Shen](#), [Jingnan Guo](#), [Quanhao Zhang](#), [Zhenghua Huang](#), [Kai Liu](#), [Xiaolei Li](#), [Rui Liu](#), [Jingxiu Wang](#), [Shui Wang](#)
Science China Technological Sciences, 2020
<https://arxiv.org/pdf/2003.12728.pdf>

Benchmarking CME Arrival Time and Impact: Progress on Metadata, Metrics, and Events

C. [Verbeke](#), [M. L. Mays](#), [M. Temmer](#), [S. Bingham](#), [R. Steenburgh](#), [M. Dumbović](#), [M. Núñez](#), [L.K. Jian](#), [P. Hess](#), [C. Wiegand](#), [A. Taktakishvili](#), [J. Andries](#)

Space Weather special issue: Space Weather Capabilities Assessment 2018

<https://arxiv.org/pdf/1811.10695.pdf>

CME propagation: Where does the solar wind drag take over?

Nishtha [Sachdeva](#), Prasad Subramanian, Robin Colaninno, Angelos Vourlidas

ApJ 2015

<http://arxiv.org/pdf/1507.05199v1.pdf>

Quantitative Comparison of Methods for Predicting the Arrival of Coronal Mass Ejections at Earth based on multi-view imaging†

R. C. [Colaninno](#)*, A. Vourlidas, C. C. Wu

Journal of Geophysical Research: Space Physics, Nov 2013; File

<http://arxiv.org/pdf/1310.6680v2.pdf>

Constraining the Kinematics of Coronal Mass Ejections in the Inner Heliosphere with In-Situ Signatures

T. [Rollett](#), C. Möstl, M. Temmer, A. M. Veronig, C. J. Farrugia and H. K. Biernat

Solar Physics, Volume 276, Numbers 1-2, 293-314, 2012

5 April

Single ICMEs and Complex Transient Structures in the Solar Wind in 2010 – 2011

D. [Rodkin](#), [V. Slemzin](#), [A. N. Zhukov](#), [F. Goryaev](#), [Y. Shugay](#), [I. Veselovsky](#)

[Solar Physics](#) May 2018, 293:78

<https://link.springer.com/content/pdf/10.1007%2Fs11207-018-1295-4.pdf>

A propagation tool to connect remote-sensing observations with in-situ measurements of heliospheric structures

A.P. [Rouillard](#), B. Lavraud, V. Genot, M. Bouchemit, N. Dufourg, I. Plotnikov, R.F. Pinto, E. Sanchez-Diaz, M. Lavarra, M. Penou, C. Jacquy, N. Andre, S. Caussarieu, J.-P. Toniutti, D. Popescu, E. Buchlin, S. Caminade, P. Alingery, J.A. Davies, D. Odstrcil, L. Mays

Planetary and Space Science 2017

<https://arxiv.org/pdf/1702.00399v1.pdf>

The radial speed-expansion speed relation for Earth-directed CMEs

P. [Mäkelä](#), N. Gopalswamy, S. Yashiro

Space Weather Volume 14, Issue 5 May 2016 Pages 368–378 File

<http://cdaw.gsfc.nasa.gov/publications/makela/makela2016SpaceWeather.pdf>

5-6 Apr

Strong Relativistic Electron Flux Events in GPS Orbit

Nigel P. [Meredith](#), [Thomas E. Cayton](#), [Michael D. Cayton](#), [Richard B. Horne](#)

Space Weather [Volume22, Issue12](#) December 2024 e2024SW004042

<https://doi.org/10.1029/2024SW004042>

<https://agupubs.onlinelibrary.wiley.com/doi/epdf/10.1029/2024SW004042>

Statistical Plasma Properties of the Planar and Nonplanar ICME Magnetic Clouds during Solar Cycles 23 and 24

Zubair I. [Shaikh1](#) and Anil N. Raghav2

2022 ApJ 938 146

<https://iopscience.iop.org/article/10.3847/1538-4357/ac8f2b/pdf>

Uncovering Erosion Effects on Magnetic Flux Rope Twist

Sanchita [Pal](#), [Emilia Kilpua](#), [Simon Good](#), [Jens Pomoell](#), [Daniel J. Price](#)

A&A 2021
<https://arxiv.org/pdf/2104.03569.pdf>

5-8 Apr

http://solar.gmu.edu/heliophysics/index.php/The_ISEST_Event_List

Predicting the magnetic vectors within coronal mass ejections arriving at Earth

Savani, N. P.; Vourlidas, A.; Szabo, A.; Mays, M. L.; Thompson, B. J.; Richardson, I. G.; Evans, R.; Pulkkinen, A.; Nieves-Chinchilla, T.
Space Weather Journal , Jan 2015, **File**
<http://arxiv.org/pdf/1502.02067v1.pdf>

6 Apr

Three-dimensional Reconstruction of Coronal Mass Ejections by CORAR Technique through Different Stereoscopic Angle of STEREO Twin Spacecraft

Shaoyu Lyu, **Yuming Wang**, **Xiaolei Li**, **Jingnan Guo**, **Chuanbing Wang**, **Quanhao Zhang**
2021
<https://arxiv.org/ftp/arxiv/papers/2101/2101.03276.pdf>

Evolution and Consequences of Coronal Mass Ejections in the Heliosphere

Wageesh Mishra

The **thesis** was submitted in Mar 2015 to MLS university, Udaipur, for which the university granted the degree in Jan 2016
<https://arxiv.org/pdf/2204.09879.pdf>

7-9 Apr

Full Halo Coronal Mass Ejections: Arrival at the Earth

Chenglong **Shen**, Yuming Wang, Zonghao Pan, Bin Miao, Pinzhong Ye, S. Wang
JGR, 2014
<http://arxiv.org/pdf/1406.4589v1.pdf>

April 8: ~03 UT, Северная/центрально/восточная эрупция. Хорошая корональная волна видна на обоих STEREO, SOHO/EIT.

Predicting CMEs using ELEvoHI with STEREO-HI beacon data

Maike **Bauer**, **Tanja Amerstorfer**, **Jürgen Hinterreiter**, **Andreas J. Weiss**, **Jackie A. Davies**, **Christian Möstl**, **Ute V. Amerstorfer**, **Martin A. Reiss**, **Richard A. Harrison**
Space Weather 2021
<https://arxiv.org/pdf/2108.08072.pdf>

Dynamics of solar Coronal Mass Ejections: forces that impact their propagation

Nishtha **Sachdeva**

Ph.D. **Thesis** 2019
<https://arxiv.org/pdf/1907.12673.pdf>

CHALLENGING SOME CONTEMPORARY VIEWS OF CORONAL MASS EJECTIONS. I. THE CASE FOR BLAST WAVES

T. A. **Howard**¹ and V. J. Pizzo
2016 ApJ 824 92 **File**

Evolution and Consequences of Coronal Mass Ejections in the Heliosphere

Wageesh Mishra

The **thesis** was submitted in Mar 2015 to MLS university, Udaipur, for which the university granted the degree in Jan 2016
<https://arxiv.org/pdf/2204.09879.pdf>

The Relation between Solar Eruption Topologies and Observed Flare Features II: Dynamical Evolution

A. **Savcheva**, E. Pariat, S. McKillop, P. McCauley, E. Hanson, Y. Su, & E. DeLuca
2015

http://www.pergamentum.com/eprint/savcheva_et al_ribbonsA_II.pdf
<http://arxiv.org/pdf/1506.03452v1.pdf>

Connecting speeds, directions and arrival times of 22 coronal mass ejections from the Sun to 1 AU

C. **Möstl**, K. Amla, J. R. Hall, P. C. Liewer, E. M. De Jong, R. C. Colaninno, A. M. Veronig, T. Rollett, M. Temmer, V. Peinhart, J. A. Davies, N. Lugaz, Y. D. Liu, C.J. Farrugia, J. G. Luhmann, B. Vršnak, R. A. Harrison, A. B. Galvin
ApJ, 2014

<http://arxiv.org/pdf/1404.3579v1.pdf>

Advances in Observing Various Coronal EUV Waves in the SDO Era and Their Seismological Applications (Invited Review)

Wei **Liu**, Leon Ofman

E-print, April 2014; Solar Physics (Topical Issue, "Exploring the Network of SDO Science")

http://sun.stanford.edu/~weiliu/research/publications/2014/2014SolPhy_Liu_Ofman_SDO-EUV-wave-review.pdf

Kinematic Properties of Slow ICMEs and an Interpretation of a Modified Drag Equation for Fast and Moderate ICMEs

T. **Iju**, M. Tokumaru, K. Fujiki

Solar Physics, June 2014, Volume 289, Issue 6, pp 2157-2175

<http://arxiv.org/pdf/1401.1724v1.pdf>

Magnetohydrodynamic Modeling of the Solar Eruption on 2010 April 8

B. **Kliem**^{1,2,3,4}, Y. N. Su⁵, A. A. van Ballegooijen⁵, and E. E. DeLuca

2013 ApJ 779 129 <http://arxiv.org/abs/1304.6981>

Estimating the Arrival Time of Earth-directed Coronal Mass Ejections at in Situ Spacecraft Using COR and HI Observations from STEREO

Wageesh **Mishra** and Nandita Srivastava

2013 ApJ 772 70

<http://arxiv.org/pdf/1306.1397v1.pdf>

Quantitative Comparison of Methods for Predicting the Arrival of Coronal Mass Ejections at Earth based on multi-view imaging†

R. C. **Colaninno**^{*}, A. Vourlidas, C. C. Wu

Journal of Geophysical Research: Space Physics, Nov 2013; File

<http://arxiv.org/pdf/1310.6680v2.pdf>

OBSERVATIONS AND MAGNETIC FIELD MODELING OF THE FLARE/CORONAL MASS EJECTION EVENT ON 2010 APRIL 8

Yingna **Su**¹, Vincent Surges^{1,2}, Adriaan van Ballegooijen¹, Edward DeLuca¹ and Leon Golub

2011 ApJ 734 53, File

SDO/AIA OBSERVATION OF KELVIN-HELMHOLTZ INSTABILITY IN THE SOLAR CORONA

L. **Ofman**^{1,2,3} and B. J. Thompson

2011 ApJ 734 L11,

A comparison of space weather analysis techniques used to predict the arrival of the Earth-directed CME and its shockwave launched on 8 April 2010

Davis, C. J.; de Koning, C. A.; Davies, J. A.; Biesecker, D.; Millward, G.; Dryer, M.; Deehr, C.; Webb, D. F.; Schenk, K.; Freeland, S. L.; MJKstl, C.; Farrugia, C. J.; Odstrcil, D.
Space Weather, Vol. 9, No. 1, S01005, 2011

FIRST *SDO* AIA OBSERVATIONS OF A GLOBAL CORONAL EUV “WAVE”: MULTIPLE COMPONENTS AND “RIPPLES”

Wei Liu^{1,2}, Nariaki V. Nitta¹, Carolus J. Schrijver¹, Alan M. Title¹, and Theodore D. Tarbell¹
Astrophysical Journal Letters, 723:L53–L59, 2010, File

8-11 Apr

CME propagation: Where does the solar wind drag take over?

Nishtha Sachdeva, Prasad Subramanian, Robin Colaninno, Angelos Vourlidas
ApJ 2015

<http://arxiv.org/pdf/1507.05199v1.pdf>

April 9

Predicting the Time-of-Arrival of Coronal Mass Ejections at Earth From Heliospheric Imaging Observations

Carlos Roberto Braga, Angelos Vourlidas, Guillermo Stenborg, Alisson Dal Lago, Rafael Rodrigues Souza de Mendonça, Ezequiel Echer

JGR 2020

<https://arxiv.org/pdf/2008.09005.pdf>

Heliospheric Observations of STEREO-Directed Coronal Mass Ejections in 2008 – 2010: Lessons for Future Observations of Earth-Directed CMEs

N. Lugaz, P. Kintner, C. Möstl, L. K. Jian, C. J. Davis and C. J. Farrugia
Solar Physics, 2012, DOI: 10.1007/s11207-012-0007-8

April 10

On the Nature and Genesis of EUV Waves: A Synthesis of Observations from SOHO, STEREO, SDO, and Hinode Review

Spiros Patsourakos 1 _ Angelos Vourlidas

arXiv-print, 2012, File; Solar Physics, Special Issue "The Sun in 360", 2012,

April 11

Quantitative Comparison of Methods for Predicting the Arrival of Coronal Mass Ejections at Earth based on multi-view imaging†

R. C. Colaninno*, A. Vourlidas, C. C. Wu

Journal of Geophysical Research: Space Physics, Nov 2013; File

<http://arxiv.org/pdf/1310.6680v2.pdf>

12 Apr

http://solar.gmu.edu/heliophysics/index.php/The_ISEST_Event_List

April 13: Крупная эрупция NW-лимбового протуберанца

A Statistical Analysis of Deflection of Coronal Mass Ejections in the Field of View of LASCO Coronagraphs

Grzegorz Michalek¹, Nat Gopalswamy², Seiji Yashiro^{2,3}, and Kostadinka Koleva^{2,3,4}
2023 ApJ 956 59

<https://iopscience.iop.org/article/10.3847/1538-4357/acf28d/pdf>

Two Scenarios for the Eruption of Magnetic Flux Ropes in the Solar Atmosphere

Filippov, B.P., [Den, O.E.](#)

[Astronomy Reports](#) 62(5), c. 359-365 2018

<https://link.springer.com/content/pdf/10.1134%2FS1063772918050037.pdf>

Self-similar expansion of solar coronal mass ejections: implications for Lorentz self-force driving

Prasad [Subramanian](#), K. P. Arunbabu, Angelos Vourlidas, Adwiteey Mauriya

ApJ, 2014

<http://arxiv.org/pdf/1406.0286v1.pdf>

Study of a Prominence Eruption using PROBA2/SWAP and STEREO/EUVI Data

M. [Mierla](#), D. B. Seaton, D. Berghmans, I. Chifu, A. De Groof, B. Inhester, L. Rodriguez, G. Stenborg, A. N. Zhukov

Solar Physics, August 2013, Volume 286, Issue 1, pp 241-253

ACCELERATION OF CORONAL MASS EJECTIONS FROM THREE-DIMENSIONAL RECONSTRUCTION OF STEREO IMAGES

Anand D. [Joshi](#) and Nandita Srivastava

2011 ApJ 739 8, File

KINEMATICS OF TWO ERUPTIVE PROMINENCES OBSERVED BY EUVI/STEREO

Anand D. [Joshi](#) and Nandita Srivastava

Astrophysical Journal, 730:104 (11pp), 2011 April, File

15 Apr

Interplanetary Shocks Inducing Magnetospheric Supersubstorms (SML < -2500 nT): Unusual Auroral Morphologies and Energy Flow

Rajkumar [Hajra](#)¹ and Bruce T. Tsurutani²

2018 ApJ 858 123

<http://sci-hub.tw/10.3847/1538-4357/aabaed>

April 19: Крупная эрупция NW-лимбового протуберанца

SDO http://science.nasa.gov/science-news/science-at-nasa/2010/27apr10_plasmarain/

20 Apr – 31 May

Ionospheric Disturbances and Their Impact on IPS Using MEXART Observations

M. [Rodríguez-Martínez](#), H. R. Pérez-Enríquez, A. Carrillo-Vargas...

Solar Physics, July 2014, Volume 289, Issue 7, pp 2677-2695

21 Apr

LSTM neural network for solar radio spectrum classification

Long [Xu](#), Yi-Hua Yan, Xue-Xin Yu, Wei-Qiang Zhang, Jie Chen, Ling-Yu Duan

RAA 2019 Vol. 19 No. 9, 135(12pp)

<http://www.raa-journal.org/raa/index.php/raa/article/view/4379/4860>

28 Apr

Homologous large-amplitude Nonlinear fast-mode Magnetosonic Waves Driven by Recurrent Coronal Jets

Yuandeng [Shen](#), [Yu Liu](#), [Ying D. Liu](#), [Jiangtao Su](#), [Zehao Tang](#), [Yuhu Miao](#)

ApJ 2018

<https://arxiv.org/pdf/1805.12303.pdf>

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole **Muhr**, Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., **2014**

<http://arxiv.org/pdf/1408.2513v1.pdf>

April 29

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole **Muhr**, Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., **2014**

<http://arxiv.org/pdf/1408.2513v1.pdf>

Analysis of characteristic parameters of large-scale coronal waves observed by STEREO/EUVI

N. **Muhr**, A.M. Veronig, I.W. Kienreich, M. Temmer, B. Vrsnak

The Astrophysical Journal, 739:89 (14pp), **2011** October 1

E-print, 4 Aug **2011**, File;

April 30

Statistical Analysis of the Horizontal Divergent Flow in Emerging Solar Active Regions

Shin **Toriumi**, Keiji Hayashi, Takaaki Yokoyama

ApJ, **2014**

<http://arxiv.org/pdf/1408.2383v1.pdf>

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole **Muhr**, Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., **2014**

<http://arxiv.org/pdf/1408.2513v1.pdf>

Origins of Rolling, Twisting and Non-Radial Propagation of Eruptive Solar Events

Olga **Panasenco**, Sara F. Martin, Marco Velli, Angelos Vourlidas

E-print, Dec **2012**; Solar Phys., 2013

April 30 – May 1

Filament eruption with apparent reshuffle of endpoints

Boris **Filippov**

MNRAS, **2014**

<http://arxiv.org/pdf/1405.5784v1.pdf>

May 1: a magnetic filament on the sun wound itself into a twist and erupted. NASA's STEREO Ahead spacecraft was in the perfect position to observe the blast.
(see Space Weather News on 13 May). No EIT data.

Origins of Rolling, Twisting and Non-Radial Propagation of Eruptive Solar Events

Olga **Panasenco**, Sara F. Martin, Marco Velli, Angelos Vourlidas

E-print, Dec **2012**; Solar Phys., **2013**, Volume 287, Issue 1-2, pp 391-413

NEW SOLAR EXTREME-ULTRAVIOLET IRRADIANCE OBSERVATIONS DURING FLARES

Thomas N. **Woods**^{1,9}, Rachel Hock¹, Frank Eparvier¹, Andrew R. Jones¹, Phillip C. Chamberlin², James A. Klimchuk², Leonid Didkovsky³, Darrell Judge³, John Mariska⁴, Harry Warren⁴, Carolus J. Schrijver⁵, David F. Webb⁶, Scott Bailey⁷ and W. Kent Tobiska

2011 ApJ 739 59

1 May – 01:31 – C5.7 вспышка, **пересвет** на STEREO-B, $B=13*2/299=0,087$

1-3 May

Predictive Capabilities of Corotating Interaction Regions using STEREO and Wind in-situ observations

Yutian [Chi](#), [Chenglong Shen](#), [Christopher Scott](#), [Mengjiao Xu](#), [Mathew Owens](#), [Yuming Wang](#), [Mike Lockwood](#)

Space Weather e2022SW003112 2022

<https://agupubs.onlinelibrary.wiley.com/doi/epdf/10.1029/2022SW003112>

<https://doi.org/10.1029/2022SW003112>

2 May

Anisotropy of the solar network magnetic field around the average supergranule

J. [Langfellner](#), L. Gizon, A. C. Birch

A&A 2015

<http://arxiv.org/pdf/1505.01427v1.pdf>

May 2-3: Geomagnetic storm $Dst=-68$. Solar wind speed ranged between 575 and 794 km/s under the influence of a high speed stream from CH402.

May 3-5

The rotation rate of solar active and ephemeral regions -- I. Dependence on morphology and peak magnetic flux

[Alexander S. Kutsenko](#)

MNRAS 2020

<https://arxiv.org/pdf/2011.12060.pdf>

DOI: [10.1093/mnras/staa3616](https://doi.org/10.1093/mnras/staa3616)

May 4: (a) ~07 UT, небольшая южная/центральная эрупция с корональной волной; см. Events

(b) New region **11069** emerged quickly at a high latitude in the northwest quadrant.

Flare: C3.6 at 16:29 UTC. Небольшая эрупция, "отгороженная" от направления на Землю корональной дырой; см. Events

CHALLENGING SOME CONTEMPORARY VIEWS OF CORONAL MASS EJECTIONS. I. THE CASE FOR BLAST WAVES

T. A. [Howard](#)¹ and V. J. Pizzo

2016 ApJ 824 92 File

Measurements and Modeling of Total Solar Irradiance in X-class Solar Flares

Christopher Samuel [Moore](#)^{1,2,3}, Phillip Clyde Chamberlin⁴, and Rachel Hock

2014 ApJ 787 32

Extreme Ultraviolet Late-Phase Flares: Before and During the Solar Dynamics Observatory Mission

Thomas N. [Woods](#)

Solar Phys., 2014; File

5 May – 17:21 – M1.2 вспышка, **пересвет** на STEREO-A, $A=25*2/313=0.16$

May 5: (a) NW Region **11069** developed slowly with some polarity intermixing at region

center.

Flares: C2.3 at 07:16. C8.8 at 11:52 and M1.2 at 17:19 (квазиимпульсные)
см. Events

(b) Эрупции из южной/центральной области в 16:20 с корональной волной,
Хорошо видно на STEREO-A; см. Events

(c) 20-21 –эрупция SW прилиम्бового волокна/протуберанца с хорошим CME,
см. Events

On the variation of the scaling exponent of the flare fluence with temperature

M. **Kretzschmar**

Solar Phys. 2015

<http://arxiv.org/pdf/1510.01975v1.pdf>

The Origin of the EUV Late Phase: A Case Study of the C8.8 Flare on 2010 May 5

R. A. **Hock**, T. N. Woods, J. A. Klimchuk, F. G. Eparvier, A. R. Jones

ApJ 2012

<http://arxiv.org/pdf/1202.4819v1.pdf>

On the Nature of the EUV Late Phase of Solar Flares

Y. **Li**, M. D. Ding, Y. Guo, Y. Dai

E-print, July 2014; ApJ, 2014

<http://arxiv.org/pdf/1407.6041v1.pdf>

NEW SOLAR EXTREME-ULTRAVIOLET IRRADIANCE OBSERVATIONS DURING FLARES

Thomas N. **Woods**^{1,9}, Rachel Hock¹, Frank Eparvier¹, Andrew R. Jones¹, Phillip C. Chamberlin², James A. Klimchuk², Leonid Didkovsky³, Darrell Judge³, John Mariska⁴, Harry Warren⁴, Carolus J. Schrijver⁵, David F. Webb⁶, Scott Bailey⁷ and W. Kent Tobiska
2011 ApJ 739 59

Impulsive acceleration of coronal mass ejections: I. Statistics and CME source region characteristics

B. M. **Bein**, S. Berkebile-Stoiser, A. M. Veronig, M. Temmer, N. Muhr, I. Kienreich, D. Utz
E-print, 5 Aug, 2011; 2011 ApJ 738 191, [File](#)

May 6-10: Ряд гомологичных квазиимпульсных эрупций со вспышками балла C из NW Region **11069**

7 May – 07:46 – C2.0 вспышка, **пересвет** на STEREO-A, $A=10^2/313=0.064$

7 May

The SDO/EVE Solar Irradiance Coronal Dimming Index Catalog. I. Methods and Algorithms

James Paul **Mason**^{1,2}, Raphael Attie¹, Charles N. Arge¹, Barbara Thompson¹, and Thomas N. Woods²
2019 ApJS 244 13

<https://iopscience.iop.org/article/10.3847/1538-4365/ab380e/pdf>

8 May – 05:06 – C9.3 вспышка, **пересвет** на STEREO-A, $A=14^2/313=0.089$
20:16 – C2.4 **пересвет** $A=20,5^2/313=0.13 \leftarrow 16 \text{ s} \quad 8 \text{ s} \rightarrow L/Rs=0.065$

8 May

The SDO/EVE Solar Irradiance Coronal Dimming Index Catalog. I. Methods and Algorithms

James Paul [Mason](#)^{1,2}, Raphael Attie¹, Charles N. Arge¹, Barbara Thompson¹, and Thomas N. Woods²
2019 ApJS 244 13

<https://iopscience.iop.org/article/10.3847/1538-4365/ab380e/pdf>

Pseudostreamers as the source of a separate class of solar coronal mass ejections,

[Wang](#), Y-M.

(2015), Astrophys. J. Lett., 803. L12.

<http://iopscience.iop.org/article/10.1088/2041-8205/803/1/L12/pdf>

May 12

FERMI DETECTION OF γ -RAY EMISSION FROM THE M2 SOFT X-RAY FLARE ON 2010 JUNE 12

M. [Ackermann](#) et al.

2012 ApJ 745 144; [File](#)

14 May

Association of calcium network bright points with underneath photospheric magnetic patches

Nancy [Narang](#), [Dipankar Banerjee](#), [Kalugodu Chandrashekar](#), [Vaibhav Pant](#)

Solar Phys. 2019

<https://arxiv.org/pdf/1902.03764.pdf>

18 May

Statistical Analysis of the Horizontal Divergent Flow in Emerging Solar Active Regions

Shin [Toriumi](#), Keiji Hayashi, Takaaki Yokoyama

ApJ, 2014

<http://arxiv.org/pdf/1408.2383v1.pdf>

20 May

Effects of non-radial magnetic field on measuring magnetic helicity transport across solar photosphere

Yongliang [Song](#), Mei Zhang

ApJ 2015

<http://arxiv.org/pdf/1503.08563v1.pdf>

20-24 May

Solar active region evolution and imminent flaring activity through a color-coded visualization of photospheric vector magnetograms

I. [Kontogiannis](#) (1), [A.G.M. Pietrow](#) (1 and 2), [M.K. Druett](#) (2), [E. Dineva](#) (2), [M. Verma](#) (1), [C. Denker](#) (1)

A&A 2024

<https://arxiv.org/pdf/2408.07047>

The characteristics of flare- and CME-productive solar active regions

Review

[Ioannis Kontogiannis](#)

Advances in Space Research 2022

<https://arxiv.org/pdf/2210.05453.pdf>

May 23: At least a partial halo CME was observed in STEREO images after a **filament eruption** in the northwest quadrant, this was associated with a long duration B1.3 event peaking at 18:01 UTC.; A full halo CME was observed in LASCO images after a filament eruption in the

northwest quadrant, this was associated with a long duration B1.3 event peaking at 18:01 UTC.;
See Events

Quantifying the Toroidal Flux of Pre-existing Flux Ropes of CMEs

C. [Xing](#), [X. Cheng](#), [Jiong Qiu](#), [Qiang Hu](#), [E. R. Priest](#), [M. D. Ding](#)

ApJ 2020

<https://arxiv.org/pdf/1912.10623.pdf>

Degree of electric current neutralization and the activity in solar Active Regions

P. [Vemareddy](#)

MNRAS 2019

<https://arxiv.org/pdf/1904.02648.pdf>

Study of Interplanetary and Geomagnetic Response of Filament Associated CMEs

Kunjai [Dave](#), [Wageesh Mishra](#), [Nandita Srivastava](#), [R. M. Jadhav](#)

Proceedings IAU Symposium No. 340, 2018

<https://arxiv.org/pdf/1807.00809.pdf>

Dressing the Coronal Magnetic Extrapolations of Active Regions with a Parameterized Thermal Structure

Gelu M. [Nita](#)¹, Nicholeen M. Viall², James A. Klimchuk², Maria A. Loukitcheva^{1,3}, Dale E. Gary¹, Alexey A. Kuznetsov⁴, and Gregory D. Fleishman

2018 ApJ 853 66

<http://sci-hub.tw/10.3847/1538-4357/aaa4bf>

Numerical simulations of ICME-ICME interactions

Tatiana [Niembro](#), [Alejandro Lara](#), [Ricardo F. González](#), [J. Cantó](#)

2018

<https://arxiv.org/pdf/1801.03136.pdf>

An Automated Algorithm for Identifying and Tracking Transverse Waves in Solar Images

Micah J. [Weberg](#), Richard J. Morton, and James A. McLaughlin

2018 ApJ 852 57

<http://sci-hub.tw/10.3847/1538-4357/aa9e4a>

Electric-Current Neutralization, Magnetic Shear, and Eruptive Activity in Solar Active Regions

Yang [Liu](#), [Xudong Sun](#), [Tibor Török](#), [Viacheslav S. Titov](#), [James E. Leake](#)

ApJ 2017

<https://arxiv.org/pdf/1708.04411.pdf>

A STEREO Survey of Magnetic Cloud Coronal Mass Ejections Observed at Earth in 2008-2012

Brian E. [Wood](#), Chin-Chun Wu, Ronald P. Lepping, [Teresa Nieves-Chinchilla](#), [Russell A. Howard](#), [Mark G. Linton](#), [Dennis G. Socker](#)

Astrophysical Journal Supplement 2017 File

<https://arxiv.org/pdf/1701.01682v1.pdf>

On estimating the force-freeness based on observed magnetograms

X. M. [Zhang](#), M. Zhang, J. T. Su

ApJ 2016

<https://arxiv.org/pdf/1611.03190v1.pdf>

Mass Loss Evolution in the EUV Low Corona from SDO/AIA Data

Fernando M. [López](#), Hebe Cremades, Federico A. Nuevo, [Laura A. Balmaceda](#), [Alberto A. Vásquez](#)

Solar Phys. 2016

<https://arxiv.org/pdf/1611.00849v1.pdf>

AN ANALYTICAL MODEL OF INTERPLANETARY CORONAL MASS EJECTION INTERACTIONS

T. **Niembro**^{1,3}, J. Cantó², A. Lara³, and R. F. González
2015 ApJ 811 69

Testing the Asymmetric Cone Model for Halo CMEs Using STEREO/SECCHI Coronagraphic Observations

Janusz **Nicewicz**, , Grzegorz Michalek
Advances in Space Research, 2014

Connecting speeds, directions and arrival times of 22 coronal mass ejections from the Sun to 1 AU

C. **Möstl**, K. Amla, J. R. Hall, P. C. Liewer, E. M. De Jong, R. C. Colaninno, A. M. Veronig, T. Rollett, M. Temmer, V. Peinhart, J. A. Davies, N. Lugaz, Y. D. Liu, C.J. Farrugia, J. G. Luhmann, B. Vršnak, R. A. Harrison, A. B. Galvin
ApJ, 2014
<http://arxiv.org/pdf/1404.3579v1.pdf>

THE DEFLECTION OF THE TWO INTERACTING CORONAL MASS EJECTIONS OF 2010 MAY 23-24 AS REVEALED BY COMBINED IN SITU MEASUREMENTS AND HELIOSPHERIC IMAGING

N. **Lugaz**¹, C. J. Farrugia¹, J. A. Davies², C. Möstl^{3,4,5}, C. J. Davis^{2,6}, I. I. Roussev^{7,8}, and M. Temmer
2012 ApJ 759 68, File

23-24 May

On The Influence Of The Solar Wind On The Propagation Of Earth-impacting Coronal Mass Ejections

Sandeep **Kumar**, [Nandita Srivastava](#), [Nat Gopalswamy](#), [Ashutosh Dash](#)
ApJ 2024
<https://arxiv.org/pdf/2411.01165>

Assessing the collision nature of coronal mass ejections in the inner heliosphere

Wageesh **Mishra**, [Yuming Wang](#), [Nandita Srivastava](#), [Chenglong Shen](#)
ApJ Supplement Series 2017
<https://arxiv.org/pdf/1707.08299.pdf>

May 24: A partial halo CME was observed in LASCO images and was associated with another filament eruption in the same location as one day earlier. **See Events**
Приличная буря ($|Dst| \sim 93$ нТл) от этих эрупций после 28(?) мая

A magnetic cloud prediction model for forecasting space weather relevant properties of Earth-directed coronal mass ejections

Sanchita **Pal**, [Dibyendu Nandy](#), [Emilia K J Kilpua](#)
A&A 2022
<https://arxiv.org/pdf/2203.05231.pdf>

Predicting CMEs using ELEvoHI with STEREO-HI beacon data

Maike **Bauer**, [Tanja Amerstorfer](#), [Jürgen Hinterreiter](#), [Andreas J. Weiss](#), [Jackie A. Davies](#), [Christian Möstl](#), [Ute V. Amerstorfer](#), [Martin A. Reiss](#), [Richard A. Harrison](#)
Space Weather 2021

<https://arxiv.org/pdf/2108.08072.pdf>

Using the Coronal Evolution to Successfully Forward Model CMEs' In Situ Magnetic Profiles

C. **Kay**, N. Gopalswamy

JGR Volume 122, Issue 12 December 2017 Pages 11,810–11,834

<http://sci->

[hub.tw/http://onlinelibrary.wiley.com/doi/10.1002/2017JA024541/abstract;jsessionid=2DF604EC239663BA90D09F3C3BE44317.f01t04](http://onlinelibrary.wiley.com/doi/10.1002/2017JA024541/abstract;jsessionid=2DF604EC239663BA90D09F3C3BE44317.f01t04)

Kinematic Properties of Slow ICMEs and an Interpretation of a Modified Drag Equation for Fast and Moderate ICMEs

T. **Iju**, M. Tokumaru, K. Fujiki

Solar Physics, June 2014, Volume 289, Issue 6, pp 2157-2175

<http://arxiv.org/pdf/1401.1724v1.pdf>

Magnetic Reconnection: From "Open" Extreme-ultraviolet Loops to Closed Post-flare Ones Observed by SDO

Jun **Zhang**¹, Shuhong Yang¹, Ting Li¹, Yuzong Zhang¹, Leping Li¹, and Chaowei Jiang
2013 ApJ 776 57

Understanding shock dynamics in the inner heliosphere with modeling and type ii radio data: a statistical study†

H. **Xie**, O. C. St. Cyr, N. Gopalswamy, D. Odstrcil, H. Cremades
JGR, 2013, File

THE DEFLECTION OF THE TWO INTERACTING CORONAL MASS EJECTIONS OF 2010 MAY 23-24 AS REVEALED BY COMBINED IN SITU MEASUREMENTS AND HELIOSPHERIC IMAGING

N. **Lugaz**¹, C. J. Farrugia¹, J. A. Davies², C. Möstl^{3,4,5}, C. J. Davis^{2,6}, I. I. Roussev^{7,8}, and M. Temmer
2012 ApJ 759 68, File

24-29 May

Forecasting the Structure and Orientation of Earthbound Coronal Mass Ejections

E. K. J. **Kilpua** [N. Lugaz](#) [L. Mays](#) [M. Temmer](#)

Space Weather 17 2019

<https://doi.org/10.1029/2018SW001944>

sci-hub.se/10.1029/2018SW001944

Space Weather Quarterly 16, issue 1, 6 -30 2019

<https://agupubs.onlinelibrary.wiley.com/doi/epdf/10.1002/swq.21>

25 May

Impact of spatially correlated fluctuations in sunspots on metrics related to magnetic twist

[C. Baumgartner](#), [A. C. Birch](#), [H. Schunker](#), [R.H. Cameron](#), [L. Gizon](#)

A&A 2022

<https://arxiv.org/pdf/2207.02135.pdf>

26 May

Statistical Analysis of the Horizontal Divergent Flow in Emerging Solar Active Regions

Shin **Toriumi**, Keiji Hayashi, Takaaki Yokoyama

ApJ, 2014

<http://arxiv.org/pdf/1408.2383v1.pdf>

May 27

Three-Dimensional Evolution of Flux-Rope CMEs and Its Relation to the Local Orientation of the Heliospheric Current Sheet

A. **Isavnin**, A. Vourlidas, E. K. J. Kilpua
Solar Phys., 2014, File

May 28

http://solar.gmu.edu/heliophysics/index.php/The_ISEST_Event_List

Study of Interplanetary and Geomagnetic Response of Filament Associated CMEs

Kunjai **Dave**, [Wageesh Mishra](#), [Nandita Srivastava](#), [R. M. Jadhav](#)

Proceedings IAU Symposium No. 340, 2018

<https://arxiv.org/pdf/1807.00809.pdf>

Coronal mass ejections and their sheath regions in interplanetary space **Review**

Emilia **Kilpua**, Hannu E. J. Koskinen & Tuija I. Pulkkinen

Living Reviews in Solar Physics December 2017, 14:5 File

<https://link.springer.com/content/pdf/10.1007%2Fs41116-017-0009-6.pdf>

Structures of Interplanetary Magnetic Flux Ropes and Comparison with Their Solar Sources

Qiang **Hu**, Jiong Qiu, B. Dasgupta, A. Khare, and G. M. Webb

ApJ, 2014; File

https://dl.dropboxusercontent.com/u/96898685/ms_fr_v4.pdf

May 29

Геомагнитная буря (2010/05/29 14:00 -85), видимо от северной КД

What is Unusual about the Third Largest Geomagnetic Storm of Solar Cycle 24?

[N. Gopalswamy](#), [S. Yashiro](#), [S. Akiyama](#), [H. Xie](#), [P. Mäkelä](#), [M.-C. Fok](#), [C. P. Ferradas](#)

JGR **Volume127, Issue8** e2022JA030404 2022

<https://arxiv.org/ftp/arxiv/papers/2207/2207.11630.pdf>

<https://agupubs.onlinelibrary.wiley.com/doi/epdf/10.1029/2022JA030404>

Thermosphere and geomagnetic response to interplanetary coronal mass ejections observed by ACE and GRACE: Statistical results

S. **Krauss**, M. Temmer, A.M. Veronig, O. Baur, H. Lammer

JGR 2015

<http://arxiv.org/pdf/1510.03549v1.pdf>

29 May-5 June

Magnetic Power Spectra of Emerging Active Regions

Olga K. **Kutsenko**, [Alexander S. Kutsenko](#), [Valentina I. Abramenko](#)

Solar Phys. 2019

<https://arxiv.org/pdf/1907.07952.pdf>

30 May

Evolution of Coronal Cavity from Quiescent to Eruptive Phase in Association with Coronal Mass Ejection

Ranadeep **Sarkar**, [Nandita Srivastava](#), [Marilena Mierla](#), [Matthew J West](#), [Elke D'Huys](#)

ApJ 2019

<https://arxiv.org/pdf/1904.00899.pdf>

Statistical Analysis of the Horizontal Divergent Flow in Emerging Solar Active Regions

Shin **Toriumi**, Keiji Hayashi, Takaaki Yokoyama
ApJ, **2014**
<http://arxiv.org/pdf/1408.2383v1.pdf>

May 31: A filament eruption was observed in the northwest quadrant just east of CH406 starting at 19:36 UTC.

June 2010

Quantitative Evaluation of Coronal Magnetic Field Models Using Tomographic Reconstructions of Electron Density

Shaela I. **Jones**^{1,2}, T. J. Wang^{1,2}, C. N. Arge¹, C. J. Henney³, V. M. Uritsky^{1,2}, and C. Rura^{1,2}
2022 ApJ 928 131
<https://iopscience.iop.org/article/10.3847/1538-4357/ac5751/pdf>

June 2

CMEs in the Heliosphere: I. A Statistical Analysis of the Observational Properties of CMEs Detected in the Heliosphere from 2007 to 2017 by STEREO/HI-1

[R. A. Harrison](#), [J. A. Davies](#), [D. Barnes](#), [J. P. Byrne](#), [C. H. Perry](#), [V. Bothmer](#), [J. P. Eastwood](#), [P. T. Gallagher](#), [E. K. J. Kilpua](#), [C. Möstl](#), [L. Rodriguez](#), [A. P. Rouillard](#), [D. Odstrcil](#)
Solar Phys. **2018**
<https://arxiv.org/ftp/arxiv/papers/1804/1804.02320.pdf>

June 4

Evolution of Coronal Cavity from Quiescent to Eruptive Phase in Association with Coronal Mass Ejection

Ranadeep **Sarkar**, [Nandita Srivastava](#), [Marilena Mierla](#), [Matthew J West](#), [Elke D'Huys](#)
ApJ **2019**
<https://arxiv.org/pdf/1904.00899.pdf>

Testing the Asymmetric Cone Model for Halo CMEs Using STEREO/SECCHI Coronagraphic Observations

Janusz **Nicewicz**, , Grzegorz Michalek
Advances in Space Research, **2014**

June 5

Oscillations in Active Region Fan Loops: Observations from EIS/Hinode and AIA/SDO

S. Krishna **Prasad**, D. Banerjee, Jagdev Singh
Solar Physics, November **2012**, Volume 281, Issue 1, pp 67-85

June 6

Evolution of Coronal Cavity from Quiescent to Eruptive Phase in Association with Coronal Mass Ejection

Ranadeep **Sarkar**, [Nandita Srivastava](#), [Marilena Mierla](#), [Matthew J West](#), [Elke D'Huys](#)
ApJ **2019**
<https://arxiv.org/pdf/1904.00899.pdf>

The Build-up to Eruptive Solar Events Viewed as the Development of Chiral Systems

Sara F. **Martin**, Olga Panasenco, Mitchell A. Berger, Oddbjorn Engvold, Yong Lin, Alexei A. Pevtsov, Nandita Srivastava
2nd ATST - EAST Workshop in Solar Physics: Magnetic Fields from the Photosphere to the Corona, ASP Conference Series, Vol. 463, p.157, **2012**, **File**

7 June

Recovering the unsigned photospheric magnetic field from Ca II K observations

Theodosios [Chatzistergos](#), [Iaria Ermolli](#), [Sami K. Solanki](#), [Natalie A. Krivova](#), [Fabrizio Giorgi](#), [Kok Leng Yeo](#)

A&A 2019

<https://arxiv.org/pdf/1905.03453.pdf>

June 8

Coronal Cavity Survey: Morphological Clues to Eruptive Magnetic Topologies

B. C. [Forland](#), S. E. Gibson, J. B. Dove, L. A. Rachmeler, Y. Fan

Solar Phys (2013) 288:603–615

June 10-11

Space weather: the solar perspective -- an update to Schwenn (2006)

Review

[Manuela Temmer](#)

Living Reviews in Solar Physics 2021

<https://arxiv.org/pdf/2104.04261.pdf>

DETECTION OF THE HORIZONTAL DIVERGENT FLOW PRIOR TO THE SOLAR FLUX EMERGENCE

S. [Toriumi](#)¹, K. Hayashi², and T. Yokoyama

2012 ApJ 751 154

June 11-12

The Source Locations of Major Flares and CMEs in the Emerging Active Regions

[Lijuan Liu](#), [Yuming Wang](#), [Zhenjun Zhou](#), [Jun Cui](#)

ApJ 2021

<https://arxiv.org/pdf/2101.07452.pdf>

12 June – 01:01 – M2.9 вспышка, **пересвет** на STEREO-A, $A = 35 \cdot 2 / 313 = 0.223$
09:21 – C6.1 вспышка, **пересвет** на STEREO-A, $A = 15 \cdot 2 / 313 = 0.096$

June 12 Две небольшие NW эрупции **Спайковые вспышки**

Origin of ³He abundance enhancements in gradual solar energetic particle events

Radoslav [Bucik](#), [Samuel T. Hart](#), [Maher A. Dayeh](#), [Mihir I. Desai](#), [Glenn M. Mason](#), [Mark E. Wiedenbeck](#)

IAU Symposium 388 Proceedings 2024

<https://arxiv.org/pdf/2410.15515>

Cold Solar Flares. I. Microwave Domain

Alexandra L. [Lysenko](#)¹, Stephen M. White², Dmitry A. Zhdanov³, Nataliia S. Meshalkina³, Aleksander T. Altyntsev³, Galina G. Motorina^{1,4,5}, and Gregory D. Fleishman^{6,7}

2023 ApJ 954 122

<https://iopscience.iop.org/article/10.3847/1538-4357/acea20/pdf>

Impulsive Solar Energetic Particle Events: EUV Waves and Jets **MINI REVIEW**

R. [Bucik](#)

Front. Astron. Space Sci. 9? 807961 2021

<https://doi.org/10.3389/fspas.2021.807961>

<https://arxiv.org/abs/2112.14282>

FLUKA Simulations of Pion Decay Gamma-radiation from Energetic Flare Ions

A L **MacKinnon** (1), [S. Szpigel](#) (2), [G. Gimenez de Castro](#) (2,3), [J. Tuneu](#) (2)

Solar Phys. **2020**

<https://arxiv.org/pdf/2009.00414.pdf>

Fermi Large Area Telescope observations of solar flares during the 24th solar cycle

Melissa **Pesce-Rollins**

Presentation at the Fleishman Webinar Nov. 13, **2019**

http://www.ioffe.ru/LEA/SF_AR/files/FermiLATSolarFlares_webinar.pdf

Self-consistent Modelling of Gamma-Ray Spectra from Solar Flares with the Monte Carlo Simulation Package FLUKA

Danele S. **Tusnski**, [Sergio Szpigel](#), [Carlos Guillermo Giménez de Castro](#), [Alexander L. MacKinnon](#), [Paulo José A. Simões](#)

Solar Phys. **2019**

<https://arxiv.org/pdf/1907.11575.pdf>

Proton Acceleration by Very Impulsive Flare on June 3, 2012

K. **Kamiya**, 1) K. Koga, 1) S. Masuda, 2) H. Matsumoto, 1) Y. Muraki, 2) T. Obara, 3) O. Okudaira, 4) Y. Tanaka, 5) S. Shibata, 6) and T. Goka1)

Proc. of 35th International Cosmic Ray Conference — ICRC2017 10–20 July, **2017** Bexco, Busan, Korea

<https://pos.sissa.it/301/115/pdf>

A Hierarchical Relationship between the Fluence Spectra and CME Kinematics in Large Solar Energetic Particle Events: A Radio Perspective

N **Gopalswamy**, P Mäkelä, S Yashiro, [N Thakur](#), [S Akiyama](#), [H Xie](#)

Journal of Physics: Conference Series (JPCS), Proceedings of the 16th Annual International Astrophysics Conference held in Santa Fe, NM, **2017**

<https://arxiv.org/ftp/arxiv/papers/1707/1707.00209.pdf>

Association of 3He-Rich Solar Energetic Particles with Large-Scale Coronal Waves

Radoslav **Bucik**, Davina E. Innes, Glenn M. Mason, Mark E. Wiedenbeck

2016

<http://arxiv.org/pdf/1609.05346v1.pdf>

Global Energetics of Solar Flares: IV. Coronal Mass Ejection Energetics

Markus J. **Aschwanden**

ApJ **2016**

<http://arxiv.org/pdf/1605.04952v1.pdf> File

http://www.lmsal.com/~aschwand/eprints/2016_global4.pdf

Observation of solar high energy gamma and X-ray emission and solar energetic particles

Alexei **Struminsky**, Weiqun Gan

24th European Cosmic Ray Symposium, Kiel, September 2014, **2015**

Analysis of the Impulsive Phase of Solar Flares with Pass 8 LAT data

R. **Desiante**, [F. Longo](#), [N. Omodei](#), [M. Pesce-Rollins](#), [V. Pelassa](#) for the Fermi-LAT Collaboration

2014 Fermi Symposium proceedings - eConf C141020.1

<http://arxiv.org/pdf/1502.04916v1.pdf>

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole **Muhr**, Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., **2014**

<http://arxiv.org/pdf/1408.2513v1.pdf>

Advances in Observing Various Coronal EUV Waves in the SDO Era and Their Seismological Applications (Invited Review)

Wei **Liu**, Leon Ofman

E-print, April 2014; Solar Physics (Topical Issue, "Exploring the Network of SDO Science")

http://sun.stanford.edu/~weiliu/research/publications/2014/2014SolPhy_Liu_Ofman_SDO-EUV-wave-review.pdf

Self-similar expansion of solar coronal mass ejections: implications for Lorentz self-force driving

Prasad **Subramanian**, K. P. Arunbabu, Angelos Vourlidas, Adwiteey Mauriya

ApJ, 2014

<http://arxiv.org/pdf/1406.0286v1.pdf>

ОПРЕДЕЛЕНИЕ ВРЕМЕНИ НАЧАЛА УСКОРЕНИЯ РЕЛЯТИВИСТСКИХ ПРОТОНОВ В СОЛНЕЧНЫХ ВСПЫШКАХ

В.Г.Курт, Б.Ю.Юшков, К.Кудела

ИКИ-2014, Сессия: Солнце

<http://plasma2014.cosmos.ru/presentations>

Transient Artifacts in a Flare Observed by the Helioseismic and Magnetic Imager on the Solar Dynamics Observatory

J. C. **Martínez** Oliveros, C. Lindsey, H. S. Hudson, J. C. Buitrago Casas

Solar Physics, March 2014, Volume 289, Issue 3, pp 809-819

RHESSI Heliophysics Senior Review 2013

Samuel **Krucker**, Brian Dennis, Manfred Bester, Laura Peticolas

http://hesperia.gsfc.nasa.gov/senior_review/2013/senior_review_proposal_2013.pdf, 2013, File

Measuring the Magnetic Field Strength of the Quiet Solar Corona Using “EIT Waves”

D.M. **Long**, D.R. Williams, S.Regnier, L.K. Harra

E-print, May 2013; Solar Phys (2013) 288:567–583

Using EIS to measure the coronal magnetic field

David **Long**, David Williams, Stéphane Régnier, Louise Harra

EIS Nugget, May 2013

http://solarb.mssl.ucl.ac.uk/SolarB/nuggets/nugget_2013may.jsp

HIGH-ENERGY GAMMA-RAY EMISSION FROM SOLAR FLARES: SUMMARY OF FERMI LAT DETECTIONS AND ANALYSIS OF TWO M-CLASS FLARES

M. **Ackermann**², M. Ajello³, A. Albert⁴, A. Allafort^{5,1}, L. Baldini⁶, G. Barbiellini^{7,8}, D. Bastieri et al.

Fermi-LAT collaboration

E-print, April 2013, File; ApJ

OBSERVATIONS OF SOLAR ENERGETIC PARTICLES FROM 3He-RICH EVENTS OVER A WIDE RANGE OF HELIOGRAPHIC LONGITUDE

M. E. **Wiedenbeck**¹, G. M. Mason², C. M. S. Cohen³, N. V. Nitta⁴, R. Gómez-Herrero^{5,6}, and D. K Haggerty

2013 ApJ 762 54

Charge-exchange Limits on Low-energy α -particle Fluxes in Solar Flares

Hudson, H. S.; Fletcher, L.; MacKinnon, A. L.; Woods, T. N.

E-print, Feb 2014; ApJ 752, 84 (2012)

<http://arxiv.org/pdf/1401.6477v1.pdf>

Impulse Response Flares and Gamma Rays

H. **Hudson** & S. White

RHESSI Science Nugget, No. 188, Nov 2012

Detection of Acceleration Processes During the Initial Phase of the 12 June 2010 Flare

L. K. Kashapova, N. S. Meshalkina, M. S. Kisil

Solar Physics, October 2012, Volume 280, Issue 2, pp 525-535

How Many CMEs Have Flux Ropes? Deciphering the Signatures of Shocks, Flux Ropes, and Prominences in Coronagraph Observations of CMEs

A. [Vourlidas](#), B.J. Lynch, R.A. Howard, Y. Li

E-print, July 2012, [File](#); Solar Phys.

Fermi Detection of gamma-ray emission from the M2 Soft X-ray Flare on 2010 June 12

M. [Ackermann](#)², M. Ajello³, A. Allafort³, W. B. Atwood⁴, L. Baldini⁵, G. Barbiellini...

E-print, Dec 2011, [File](#); ApJ 2012.745, 144A

Erratum: [2012ApJ...748..151A](#) <http://sci-hub.tw/10.1088/0004-637X/748/2/151>

The EVE Doppler Sensitivity and Flare Observations

H. S. [Hudson](#), T. N. Woods, P. C. Chamberlin, L. Fletcher, G. Del Zanna, L. Didkovsky, N. Labrosse and D. Graham

Solar Physics, Volume 273, Number 1, 69-80, 2011

Spectroscopic analysis of interaction between an EIT wave and a coronal upflow region

F. [Chen](#), M. D. Ding, P. F. Chen and L. K. Harra

E-print, 28 July 2011, 2011 ApJ 740 116, [File](#)

Black and White Flares

J.C.M. [Oliveros](#) & C. Lindsey

RHESSI Science Nugget, 24 Jan 2011

http://sprg.ssl.berkeley.edu/~tohban/wiki/index.php/Black_and_White_Flares

Imaging Spectroscopy of a White-Light Solar Flare

J.C. Martínez [Oliveros](#) · S. Couvidat · J. Schou · S. Krucker · C. Lindsey · H.S. Hudson · P. Scherrer

Solar Phys (2011) 269: 269–281

this was the first γ -ray flare of Cycle 24

"SDO EVE spectroscopy of solar flares,"

Phil [Chamberlin](#) and Tom Woods.

RHESSI Science Nugget, 2010

See http://sprg.ssl.berkeley.edu/~tohban/wiki/index.php/SDO_EVE_Flare_Observation

June 12-14: Несколько импульсных вспышек (включая балла M1 и M2) и заметных эрупций (возможно трансэкваториальных) из прилиम्бовой W области (областей) с [корональными волнами](#) и возмущениями волокон; наблюдения на EIT и STEREO-A. 12d, 09:30 – простой [всплеск II типа на нашем спектре](#)

Events 100612a, 100612b

Space weather: the solar perspective -- an update to Schwenn (2006)

Review

[Manuela Temmer](#)

Living Reviews in Solar Physics 2021

<https://arxiv.org/pdf/2104.04261.pdf>

Height of Shock Formation in the Solar Corona Inferred from Observations of Type II Radio Bursts and Coronal Mass Ejections

N. **Gopalswamy**, H. Xie, P. Makela, S. Yashiro, S. Akiyama, W. Uddin., A. K. Srivastava, N. C. Joshi, R. Chandra, P. K. Manoharan, K. Mahalakshmi, V. C. Dwivedi, R. Jain and A. K. Awasthi, N. V. Nitta, M. J. Aschwanden, D. P. Choudhary
E-print, Jan **2013**; Adv. Space Res.

OFF-LIMB SOLAR CORONAL WAVEFRONTS FROM SDO/AIA EXTREME-ULTRAVIOLET OBSERVATIONS—IMPLICATIONS FOR PARTICLE PRODUCTION

K. A. **Kozarev**^{1,5}, K. E. Korreck², V. V. Lobzin³, M. A. Weber² and N. A. Schwadron
2011 ApJ 733 L25, File

Imaging Spectroscopy of a White-Light Solar Flare

J.C. Martínez **Oliveros** · S. Couvidat · J. Schou · S. Krucker · C. Lindsey · H.S. Hudson · P. Scherrer
Solar Phys (**2011**) 269: 269–281
this was the first γ -ray flare of Cycle 24

Hugh Hudson, 7 Feb **2011**

"At last, the EUV spectrum (of a flare's impulsive phase)" - see

http://sprg.ssl.berkeley.edu/~tohban/wiki/index.php/RHESSI_Science_Nuggets

13 June – 05:43 – M1.0 вспышка, **пересвет** на STEREO-A, $A=30^{\circ}2/313=0,192$

June 13 W лимбовая вспышка и эрупция

The analysis of type II and type III solar radio bursts: GUI for the e-CALLISTO data

Yashan

Hettiarachchi a, Janaka Adassuriya b, Chandana Jayaratne b, Sasani Jayawardhana a, Christian Monstein

New Astronomy Volume 109, July **2024**, 102194

<https://doi.org/10.1016/j.newast.2024.102194>

CESRA #3809 **2024** <https://www.astro.gla.ac.uk/users/eduard/cesra/?p=3809>

Assessing the spectral characteristics of band splitting type II radio bursts observed by CALLISTO spectrometers

F. N. Minta, **S. Nozawa**, **K. Kamen**, **A. Elsaid**, **A. Ayman**

Adv Sp Res. 1-14 (**2022**)

<https://arxiv.org/ftp/arxiv/papers/2301/2301.13839.pdf>

Trends and Characteristics of High-Frequency Type II Bursts Detected by CALLISTO Spectrometers

A.C.Umuhire (1), **J.Uwamahoro** (2), **K. Sasikumar Raja** (3), **A.Kumar** (4), **C.Monstein** (5)

Advances In Space Research **2021**

<https://arxiv.org/pdf/2106.09310.pdf>

Finding Spots in a CME-Related Shock Where Physical Conditions Can Emerge Favoring Type II Radio Burst Generation on 2010 June 13

Y. I. Egorov, **V. G. Fainshtein** & **D. V. Prosovetskiy**

Solar Physics volume 296, Article number: 58 (**2021**)

<https://doi.org/10.1007/s11207-021-01788-3>

<https://link.springer.com/content/pdf/10.1007/s11207-021-01788-3.pdf>

Statistical Analysis and Catalog of Non-polar Coronal Holes Covering the SDO-Era Using CATCH

Stephan G. **Heinemann**, **Temmer Manuela**, **Heinemann Niko**, **Dissauer Karin**, **Samara Evangelia**, **Jerčić Veronika**, **Stefan J. Hofmeister**, **Astrid M Veronig**

Solar Phys. 294:144 **2019**

<https://arxiv.org/pdf/1907.01990.pdf> **File**
<https://link.springer.com/content/pdf/10.1007%2Fs11207-019-1539-y.pdf>

Self-similar Piston-Shock and CME

A. M. [Uralov](#), [V. V. Grechnev](#), [L. A. Ivanukin](#)
[Solar Physics](#) September 2019, 294:113
<https://link.springer.com/content/pdf/10.1007%2Fs11207-019-1506-7.pdf>

Non-equilibrium ionization effects on solar EUV and X-ray imaging observations

Jin-Yi [Lee](#), [John C. Raymond](#), [Katharine K. Reeves](#), [Chengcai Shen](#), [Yong-Jae Moon](#), [Yeon-Han Kim](#)
ApJ 2019
<https://arxiv.org/pdf/1905.11632.pdf>

Magnetically Induced Current Piston for Generating Extreme-ultraviolet Fronts in the Solar Corona

Pakorn [Wongwaitayakornkul](#)^{1,3}, Magnus A. Haw^{1,3}, Hui Li², and Paul M. Bellan¹
2019 ApJ 874 137
sci-hub.se/10.3847/1538-4357/ab09f2

Evolution of Coronal Cavity from Quiescent to Eruptive Phase in Association with Coronal Mass Ejection

Ranadeep [Sarkar](#), [Nandita Srivastava](#), [Marilena Mierla](#), [Matthew J West](#), [Elke D'Huys](#)
ApJ 2019
<https://arxiv.org/pdf/1904.00899.pdf>

A Tiny Eruptive Filament as a Flux-Rope Progenitor and Driver of a Large-Scale CME and Wave

V.V. [Grechnev](#) (1), A.M. Uralov (1), A.A. Kochanov (1), I.V. Kuzmenko (2), D.V. Prosovetsky (1), Ya.I. Egorov (1), V.G. Fainshtein (1), L.K. Kashapova
[Solar Phys.](#), 2016
<http://arxiv.org/pdf/1604.00800v1.pdf> **File**

О ВОЗМОЖНОЙ ПРИЧИНЕ ЧАСТОТНОГО РАСЩЕПЛЕНИЯ ГАРМОНИК СОЛНЕЧНОГО РАДИОВСПЛЕСКА ВТОРОГО ТИПА

В. Г. [Еселевич](#), М. В. Еселевич, И. В. Зимовец
АЖ т92, №12, стр. 977-1008, 2015 **File**

Large-scale Globally Propagating Coronal Waves Review

[Warmuth](#), Alexander
Living Reviews in Solar Physics, PUB.NO. IrsP-2015-3, 2015
<http://solarphysics.livingreviews.org/Articles/IrsP-2015-3/> **File**

An observational revisit of band-split solar type-II radio bursts

Guohui [Du](#), Xiangliang Kong, Yao Chen, Shiwei Feng, Bing Wang, Gang Li
2015
<http://arxiv.org/pdf/1509.03832v1.pdf>

Solar type II radio bursts associated with CME expansions as shown by EUV waves

R. D. [Cunha-Silva](#), F. C. R. Fernandes, C. L. Selhorst
A&A 2015
<http://arxiv.org/pdf/1504.04323v1.pdf>

Гречнев (см. Chains_24)

[Grechnev_SCOSTEP_2014](#) see E:\Chertok_new\Chains_24\2010\10_06\100613

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole [Muh](#), Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., 2014

<http://arxiv.org/pdf/1408.2513v1.pdf>

Advances in Observing Various Coronal EUV Waves in the SDO Era and Their Seismological Applications (Invited Review)

Wei [Liu](#), Leon Ofman

E-print, April 2014; Solar Physics (Topical Issue, "Exploring the Network of SDO Science")

http://sun.stanford.edu/~weiliu/research/publications/2014/2014SolPhy_Liu_Ofman_SDO-EUV-wave-review.pdf

Three-Dimensional Evolution of Flux-Rope CMEs and Its Relation to the Local Orientation of the Heliospheric Current Sheet

A. [Isavnin](#), A. Vourlidas, E. K. J. Kilpua

Solar Phys., 2014, File

CME Expansion as the Driver of Metric Type II Shock Emission as Revealed by Self-Consistent Analysis of High Cadence EUV Images and Radio Spectrograms

[Kouloumvakos](#), A.; Patsourakos, S.; Hillaris, A.; Vourlidas, A.; Preka-Papadema, P.; Moussas, X.; Caroubalos, C.; Tsitsipis, P.; Kontogeorgos, A.

E-print, Dec 2013, File; Solar Phys.

РОЛЬ ВСПЛЫВАЮЩИХ МАГНИТНЫХ ТРУБОК ПРИ ФОРМИРОВАНИИ "ИМПУЛЬСНЫХ" КОРОНАЛЬНЫХ ВЫБРОСОВ МАССЫ

[ЕСЕЛЕВИЧ](#) В. Г.1, [ЕСЕЛЕВИЧ](#) М. В

АЖ, Том: 90, Номер: 11 Год: 2013 Страницы: 936

Investigation of the Coronal Magnetic Field Using a Type II Solar Radio Burst

V. [Vasanth](#), S. Umapathy, Bojan Vrsnak, Tomislav Žic, O. Prakash

Solar Phys., 2013

DISTURBED ZONE AND PISTON SHOCK AHEAD OF CORONAL MASS EJECTION

V. [Eselevich](#) and M. Eselevich

2012 ApJ 761 68

Solar Radio Bursts and Space Weather

N. [Gopalswamy](#)

ISWI Workshop, Oct 2012, Presentation, File

On the Nature and Genesis of EUV Waves: A Synthesis of Observations from SOHO, STEREO, SDO, and Hinode Review

Spiros [Patsourakos](#) 1 _ Angelos Vourlidas

arXiv-print, 2012, File; Solar Physics, Special Issue "The Sun in 360", 2012,

UNDERSTANDING SDO/AIA OBSERVATIONS OF THE 2010 JUNE 13 EUV WAVE EVENT: DIRECT INSIGHT FROM A GLOBAL THERMODYNAMIC MHD SIMULATION

Cooper [Downs](#)1, Ilia I. Rousev1, Bart van der Holst2, Noé Lugaz1, and Igor V. Sokolov

2012 ApJ 750 134, File

Plasma parameters in eruptive prominences from SDO/AIA observations

Kristopher [McGlinchey](#) and Nicolas Labrosse

UKSP Nuggets, 21, March 2012

<http://www.uksolphys.org/?p=4247>

CORONAL MAGNETIC FIELD MEASUREMENT FROM EUV IMAGES MADE BY THE SOLAR DYNAMICS OBSERVATORY

Nat [Gopalswamy](#)¹, Nariaki Nitta², Sachiko Akiyama^{1,3}, Pertti Mäkelä^{1,3} and Seiji Yashiro
2012 ApJ 744 72, [File](#)

Transverse coronal loop oscillations seen by AIA/SDO

Rebecca [White](#) and Erwin Verwichte

UKSP Nugget - 17. 2011, <http://www.uksolphys.org/?p=3398>

Structure and Dynamics of a Polar Crown Cavity as Observed by SDO/AIA

S. [Régnier](#), R. W. Walsh and C. E. Alexander

UKSP Nuggets, Sept 2011

<http://www.uksolphys.org/?p=3253>

A new look at a polar crown cavity as observed by SDO/AIA Structure and dynamics ★

S. [Régnier](#), R. W. Walsh and C. E. Alexander

A&A 533, L1 (2011), [File](#)

OBSERVATIONS AND INTERPRETATION OF A LOW CORONAL SHOCK WAVE OBSERVED IN THE EUV BY THE SDO/AIA

Suli [Ma](#)^{1,2}, John C. Raymond¹, Leon Golub¹, Jun Lin³, Huadong Chen², Paolo Grigis¹, Paola Testa¹ and David Long

2011 ApJ 738 160, [File](#)

OFF-LIMB SOLAR CORONAL WAVEFRONTS FROM SDO/AIA EXTREME-ULTRAVIOLET OBSERVATIONS—IMPLICATIONS FOR PARTICLE PRODUCTION

K. A. [Kozarev](#)^{1,5}, K. E. Korreck², V. V. Lobzin³, M. A. Weber² and N. A. Schwadron

2011 ApJ 733 L25, [File](#)

The Genesis of an Impulsive Coronal Mass Ejection observed at Ultra-High Cadence by AIA on SDO

S. [Patsourakos](#), A. Vourlidas, G. Stenborg

E-print Oct 2010, ApJL, 724:L188–L193, 2010, [File](#)

Movies available at http://dl.dropbox.com/u/3971111/movies_aia_cme.tar.gz.

June 16: Заметный CME, наблюдавшийся после 11 UT над E лимбом на STEREO-A и над W лимбом на STEREO-B вызван центральной/южной эрупцией. Она весьма слабая, и ничего существенного дать не должна. **Events**

Вероятно, дала форбуш ~1% 21-ого.

See

http://solar.gmu.edu/wiki/presentations/ISEST_2015_workshop/WG1_data/Nitta_stealthy_sun_earth_events.pdf

Comprehensive Characterization of the Dynamics of Two Coronal Mass Ejections in the Outer Corona.

Di [Lorenzo](#), L., Balmaceda, L., Cremades, H. et al.

Sol Phys 299, 43 (2024).

<https://doi.org/10.1007/s11207-024-02290-2>

Predicting CMEs using ELEvoHI with STEREO-HI beacon data

Maïke [Bauer](#), [Tanja Amerstorfer](#), [Jürgen Hinterreiter](#), [Andreas J. Weiss](#), [Jackie A. Davies](#), [Christian Möstl](#), [Ute V. Amerstorfer](#), [Martin A. Reiss](#), [Richard A. Harrison](#)

Space Weather 2021

<https://arxiv.org/pdf/2108.08072.pdf>

Dynamics of solar Coronal Mass Ejections: forces that impact their propagation

Nishtha [Sachdeva](#)

Ph.D. [Thesis](#) 2019

<https://arxiv.org/pdf/1907.12673.pdf>

Forecasting the Structure and Orientation of Earthbound Coronal Mass Ejections

E. K. J. [Kilpua](#) [N. Lugaz](#) [L. Mays](#) [M. Temmer](#)

Space Weather 17 2019

<https://doi.org/10.1029/2018SW001944>

sci-hub.se/10.1029/2018SW001944

Space Weather Quarterly 16, issue 1, 6 -30 2019

<https://agupubs.onlinelibrary.wiley.com/doi/epdf/10.1002/swq.21>

Effects in extreme ultraviolet and in magnetic field observed during stealth CME formation, geomagnetic responses to its impact on the magnetosphere

Iu.S. [Zagainova](#) 1 , V.G. Fainshtein 2 , L.I. Gromova 1 , S.V. Gromov

Sun and Geosphere, 2019; 14/1: 25 -30

http://newserver.stil.bas.bg/SUNGEO//00SGArhiv/SG_v14_No1_2019-pp-25-30.pdf

Stealth coronal mass ejections: identification of source regions and geophysical effects.

[Zagainova](#) Iu.S., Fainshtein V.G., Gromova L.I., Gromov S.V.

Proceedings of Tenth Workshop “Solar Influences on the Magnetosphere, Ionosphere and Atmosphere” Primorsko, Bulgaria, June 4÷8, 2018, p.13-18.

Earth-Affecting Coronal Mass Ejections Without Obvious Low Coronal Signatures

Nariaki V. [Nitta](#), Tamitha Mulligan

[Solar Physics](#) September 2017, 292:125 File

<https://link.springer.com/article/10.1007%2Fs11207-017-1147-7>

The Physical Processes of CME/ICME Evolution

[Review](#)

Ward [Manchester](#) IV, Emilia K. J. Kilpua, Ying D. Liu, Noé Lugaz, Pete Riley, Tibor Török, Bojan Vršnak

[Space Science Reviews](#) 2017

<https://link.springer.com/content/pdf/10.1007%2Fs11214-017-0394-0.pdf>

A STEREO Survey of Magnetic Cloud Coronal Mass Ejections Observed at Earth in 2008-2012

Brian E. [Wood](#), Chin-Chun Wu, Ronald P. Lepping, [Teresa Nieves-Chinchilla](#), [Russell A. Howard](#), [Mark G. Linton](#), [Dennis G. Socker](#)

Astrophysical Journal Supplement 2017 File

<https://arxiv.org/pdf/1701.01682v1.pdf>

On Sun-to-Earth Propagation of Coronal Mass Ejections: 2. Slow Events and Comparison with Others

Ying D. [Liu](#), Huidong Hu, Chi Wang, Janet G. Luhmann, John D. Richardson, Zhongwei Yang, Rui Wang

ApJ Supplement 2016

<http://arxiv.org/pdf/1512.07949v1.pdf>

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole [Muhr](#), Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vršnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., 2014

<http://arxiv.org/pdf/1408.2513v1.pdf>

Connecting speeds, directions and arrival times of 22 coronal mass ejections from the Sun to 1 AU

C. [Möstl](#), K. Amla, J. R. Hall, P. C. Liewer, E. M. De Jong, R. C. Colaninno, A. M. Veronig, T. Rollett, M. Temmer, V. Peinhart, J. A. Davies, N. Lugaz, Y. D. Liu, C.J. Farrugia, J. G. Luhmann, B. Vršnak, R. A. Harrison, A. B. Galvin

ApJ, 2014

<http://arxiv.org/pdf/1404.3579v1.pdf>

Quantitative Comparison of Methods for Predicting the Arrival of Coronal Mass Ejections at Earth based on multi-view imaging†

R. C. [Colaninno](#)*, A. Vourlidas, C. C. Wu

Journal of Geophysical Research: Space Physics, Nov 2013; File

<http://arxiv.org/pdf/1310.6680v2.pdf>

THE FIRST OBSERVATION OF A RAPIDLY ROTATING CORONAL MASS EJECTION IN THE MIDDLE CORONA

A. [Vourlidas](#)¹, R. Colaninno¹, T. Nieves-Chinchilla² and G. Stenborg

2011 ApJ 733 L23, File

June 16-21

Earth-Affecting Coronal Mass Ejections Without Obvious Low Coronal Signatures

Nariaki V. [Nitta](#), Tamitha Mulligan

[Solar Physics](#) September 2017, 292:125 File

CME propagation: Where does the solar wind drag take over?

Nishtha [Sachdeva](#), Prasad Subramanian, Robin Colaninno, Angelos Vourlidas

ApJ 2015

<http://arxiv.org/pdf/1507.05199v1.pdf>

Quantitative Comparison of Methods for Predicting the Arrival of Coronal Mass Ejections at Earth based on multi-view imaging†

R. C. [Colaninno](#)*, A. Vourlidas, C. C. Wu

Journal of Geophysical Research: Space Physics, Nov 2013; File

<http://arxiv.org/pdf/1310.6680v2.pdf>

Remote and in situ observations of an unusual Earth-directed coronal mass ejection from multiple viewpoints

[Nieves-Chinchilla](#), T.; Colaninno, R.; Vourlidas, A.; Szabo, A.; Lepping, R. P.; Boardsen, S. A.; Anderson, B. J.; Korth, H.

J. Geophys. Res., Vol. 117, No. A6, A06106, 2012

<http://dx.doi.org/10.1029/2011JA017243>

16 June-13 July

The Open Flux Problem

J. A. [Linker](#), [R. M. Caplan](#), [C. Downs](#), [P Riley](#), [Z Mikic](#), [R. Lionello](#), [C. J. Henney](#), [C. N. Arge](#), [Y. Liu](#), [M. L. Derosa](#), [A. Yeates](#), [M. J. Owens](#)

2017

<https://arxiv.org/pdf/1708.02342.pdf>

June 19

EVIDENCE FOR WIDESPREAD COOLING IN AN ACTIVE REGION OBSERVED WITH THE SDO ATMOSPHERIC IMAGING ASSEMBLY

Nicholeen M. Viall and James A. Klimchuk

2012 ApJ 753 35

June 20 Сложная северо-центральная эрупции. См. **Events**

Spatial Relationship between CMEs and Prominence Eruptions during SC 24 and SC 25

Kostadinka **Koleva**^{1,2,3}, Nat Gopalswamy¹, Pooja Devi⁴, Seiji Yashiro^{1,2}, and Grzegorz Michalek⁵
2024 ApJ 966 22

<https://iopscience.iop.org/article/10.3847/1538-4357/ad2df3/pdf>

Analysis of a coronal mass ejection and co-rotating interaction region as they travel from the Sun passing Venus, Earth, Mars and Saturn†

A. J. **Prise**^{1,*}, L. K. Harra¹, S. A. Matthews¹, C. S. Arridge² and N. Achilleos
JGR 2015

Self-similar expansion of solar coronal mass ejections: implications for Lorentz self-force driving

Prasad **Subramanian**, K. P. Arunbabu, Angelos Vourlidas, Adwiteey Mauriya
ApJ, 2014

<http://arxiv.org/pdf/1406.0286v1.pdf>

21 June

http://solar.gmu.edu/heliophysics/index.php/The_ISEST_Event_List

Coronal Mass Ejections from the Sun - Propagation and Near Earth Effects

Arun **Babu**
THESIS, 2014

<http://arxiv.org/pdf/1407.4258v1.pdf>

Self-similar expansion of solar coronal mass ejections: implications for Lorentz self-force driving

Prasad **Subramanian**, K. P. Arunbabu, Angelos Vourlidas, Adwiteey Mauriya
ApJ, 2014

<http://arxiv.org/pdf/1406.0286v1.pdf>

June 22

Morphological evidence for nanoflares heating warm loops in the solar corona

[Y. Bi](#), [J. J. Yang](#), [Y. Qin](#), [Z. P. Qiang](#), [J. C. Hong](#), [B. Yang](#), [Z. Xu](#), [H. Liu](#), [K. F. Ji](#)
A&A 2023

<https://arxiv.org/pdf/2309.10049.pdf>

Importance of the H α Visibility and Projection Effects for the Interpretation of Prominence Fine-structure Observations

Stanislav **Gunár**^{1,2}, Jaroslav Dudík¹, Guillaume Aulanier², Brigitte Schmieder², and Petr Heinzel¹
2018 ApJ 867 115

sci-hub.tw/10.3847/1538-4357/aae4e1

The magnetic Rayleigh–Taylor instability in solar prominences **Review**

Andrew **Hillier**

[Reviews of Modern Plasma Physics](#) December 2018, 2:1

<https://link.springer.com/content/pdf/10.1007%2Fs41614-017-0013-2.pdf>

Prominence Visibility in Hinode/XRT images

Pavol **Schwartz**, Sonja Jecic, Petr Heinzel, [Ulrich Anzer](#), [Patricia R. Jibben](#)
2015

<http://arxiv.org/pdf/1506.06078v1.pdf>

Unwinding motion of a twisted active-region filament

X.L. [Yan](#), Z.K. Xue, J.H. Liu, D.F. Kong, C.L. Xu

ApJ, 797 52 **2014**

<http://arxiv.org/pdf/1410.1984v1.pdf>

Magnetic field and radiative transfer modelling of a quiescent prominence★

S. [Gunár](#)¹, P. Schwartz^{3,2}, J. Dudík^{4,5}, B. Schmieder⁶, P. Heinzel² and J. Jurčák

A&A 567, A123 (**2014**)

ON THE NATURE OF PROMINENCE EMISSION OBSERVED BY SDO/AIA

S. [Parenti](#)¹, B. Schmieder², P. Heinzel³, and L. Golub

2012 ApJ 754 66

June 25

SDO Observations of Solar Jets

S. P. [Moschou](#), K. Tsinganos, A. Vourlidas, V. Archontis

Solar Physics, June **2013**, Volume 284, Issue 2, pp 427-438

June 26

The multi-thermal and multi-stranded nature of coronal rain

P. [Antolin](#), [G. Vissers](#), [T. M. D. Pereira](#), [L. Rouppe van der Voort](#), [E. Scullion](#)

ApJ **2015**

<http://arxiv.org/pdf/1504.04418v1.pdf>

27 June

Power-law Distribution of Solar-Cycle Modulated Coronal Jets

[Jiajia Liu](#), [Anchuan Song](#), [David B. Jess](#), [Jie Zhang](#), [Michail Mathioudakis](#), [Szabolcs Soós](#), [Francis P. Keenan](#), [Yuming Wang](#), [Robert Erdélyi](#)

ApJS **2023**

<https://arxiv.org/pdf/2304.03466.pdf>

How Many Twists Do Solar Coronal Jets Release?

Jiajia [Liu](#), [Yuming Wang](#), [Robertus Erdélyi](#)

Frontiers in Astronomy and Space Sciences

2019

<https://arxiv.org/pdf/1905.09576.pdf>

27-28 June

Penumbral micro-jets at high spatial and temporal resolution

Luc Rouppe [van der Voort](#), [Ainar Drews](#)

A&A **2019**

<https://arxiv.org/pdf/1905.02981.pdf>

28 June

Microjets in the penumbra of a sunspot

Ainar [Drews](#), Luc Rouppe van der Voort

A&A **2017**

<https://arxiv.org/pdf/1702.06078.pdf>

Effects of non-radial magnetic field on measuring magnetic helicity transport across solar photosphere

Yongliang [Song](#), Mei Zhang

ApJ 2015
<http://arxiv.org/pdf/1503.08563v1.pdf>

29 June

Measurements of EUV Coronal Holes and Open Magnetic Flux

Lowder, C., Qiu, J., Leamon, R. & Liu, Y.
E-print, Feb 2014; 2014 ApJ 783 142; File
<http://arxiv.org/pdf/1502.06038v1.pdf>

Observations of Dissipation of Slow Magneto-acoustic Waves in Polar Coronal Hole

G. R. Gupta
A&A, 2014
<http://arxiv.org/pdf/1407.1017v1.pdf>

29 June – 5 July

A Statistical Comparison between Photospheric Vector Magnetograms Obtained by SDO/HMI and Hinode/SP

Alberto Sainz Dalda
2017 ApJ 851 111
<https://arxiv.org/pdf/1801.07374.pdf>

30 June

Temperature of Solar Prominences Obtained with the Fast Imaging Solar Spectrograph on the 1.6 m New Solar Telescope at the Big Bear Solar Observatory

Hyungmin Park, Jongchul Chae, Donguk Song, ...
Solar Physics, November 2013, Volume 288, Issue 1, pp 105-116

SDO Observations of Solar Jets

S. P. Moschou, K. Tsinganos, A. Vourlidas, V. Archontis
Solar Physics, June 2013, Volume 284, Issue 2, pp 427-438

July

Evolution and Dynamics of Orphan Penumbrae in the Solar Photosphere: Analysis from Multi-instrument Observations

Francesca Zuccarello¹, Salvo L. Guglielmino^{2,3}, and Paolo Romano
2014 ApJ 787 57

1 July

The nonpotentiality of coroneae of solar active regions, the dynamics of the surface magnetic field, and the potential for large flares

C.J. Schrijver
ApJ 2016
<http://arxiv.org/pdf/1602.07244v1.pdf>

3 июля: несколько лимбовых/прилиimbusовых эрупций с CMEs.

Самая заметная - в районе 09-10 UT в NE квадранте. Прицепляю картинку.
С учетом координат (<45 град от центра диска) и параметров от нее может прийти 6-7 июля слабое возмущение (может вызвать бурю с Dst ~ нескольких десятков нТл; форбуш ~1%) или только ударная волна.

4 July

Dark dots on the photosphere and counting of the sunspots index

Andrey G. Tlatov

Solar Phys. 2022

<https://arxiv.org/pdf/2205.13142.pdf>

5-6 July Медленная эрупция NW волокна

6 July

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole Muhr, Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., 2014

<http://arxiv.org/pdf/1408.2513v1.pdf>

Origins of Rolling, Twisting and Non-Radial Propagation of Eruptive Solar Events

Olga Panasenco, Sara F. Martin, Marco Velli, Angelos Vourlidas

E-print, Dec 2012; Solar Phys., 2013, Volume 287, Issue 1-2, pp 391-413

8 July

Image Processing Methods for Coronal Hole Segmentation, Matching, and Map Classification

V. Jatla, M.S. Pattichis, C.N. Arge

IEEE Transactions on Image Processing 29 (2019): 1641-1653

<https://arxiv.org/pdf/2201.01380.pdf>

³He-rich solar energetic particles: Solar sources

Review

R. Bucik

Space Sci Rev 2020

<https://arxiv.org/pdf/2002.09442.pdf>

The Open Flux Problem

J. A. Linker, R. M. Caplan, C. Downs, P Riley, Z Mikic, R. Lionello, C. J. Henney, C. N. Arge, Y. Liu, M. L. Derosa, A. Yeates, M. J. Owens

2017

<https://arxiv.org/pdf/1708.02342.pdf>

9-20 July

SMARPs and SHARPs: Two Solar Cycles of Active Region Data

Monica G. Bobra, Paul J. Wright, Xudong Sun, Michael J. Turmon

ApJS 2021

<https://arxiv.org/pdf/2108.07918.pdf>

10 July

Magnetohydrodynamic Seismology of Quiet Solar Active Regions

Sergey A. Anfinogentov, Valery M. Nakariakov

ApJ 2019

<https://arxiv.org/pdf/1910.03809.pdf>

Polar Coronal Plumes as Tornado-like Jets

E. Tavabi^{1,2}, S. Koutchmy³, and L. Golub

2018 ApJ 866 35

[sci-hub.tw/10.3847/1538-4357/aadc64](https://arxiv.org/pdf/1808.03809.pdf)

11 July the total solar eclipse

Validation scheme for solar coronal models -- constraints from multi-perspective observations in EUV and white-light

[A. Wagner](#), [E. Asvestari](#), [M. Temmer](#), [S.G. Heinemann](#), [J. Pomoell](#)

A&A 2021

<https://arxiv.org/pdf/2110.01893.pdf>

Validation of MHD Model Predictions of the Corona with LASCO-C2 Polarized Brightness Images

Philippe [Lamy](#), Olivier Floyd, Zoran Mikić, Pete Riley

[Solar Physics](#) October 2019, 294:162

<https://doi.org/10.1007/s11207-019-1549-9>

Analysis of a Failed Eclipse Plasma Ejection Using EUV Observations

E. [Tavabi](#), [S. Koutchmy](#), [C. Bazin](#)

Solar Phys. 2018

<https://arxiv.org/ftp/arxiv/papers/1801/1801.09222.pdf>

Detection of high frequency oscillations and damping from multi-slit spectroscopic observations of the corona

T. [Samanta](#), J. Singh, G. Sindhuja, D. Banerjee

Solar Physics 2015

<http://arxiv.org/pdf/1511.07160v1.pdf>

Prominence Cavity Regions Observed Using SWAP 174 Å Filtergrams and Simultaneous Eclipse Flash Spectra

C. [Bazin](#), S. Koutchmy, E. Tavabi

Solar Physics, August 2013, Volume 286, Issue 1, pp 255-270

13 July

Hot plasma in a quiescent solar active region as measured by RHESSI, XRT, and AIA

Shin-nosuke [Ishikawa](#), [Sam Krucker](#)

ApJ 2019

<https://arxiv.org/pdf/1903.11293.pdf>

Segmentation of Coronal Holes Using Active Contours Without Edges

L. E. [Boucheron](#), M. Valluri, R. T. J. McAteer

Solar Phys. 2016

A Trio of Confined Flares in AR 11087

Anand D. [Joshi](#)¹, Terry G. Forbes², Sung-Hong Park^{1,3}, and Kyung-Suk Cho

2015 ApJ 798 97

13 July – 09 Aug

Quantifying the Consistency and Characterizing the Confidence of Coronal Holes Detected by Active Contours without Edges (ACWE)

Jeremy A. [Grajeda](#), [Laura E. Boucheron](#), [Michael S. Kirk](#), [Andrew Leisner](#), [C. Nick Arge](#)

2023

<https://arxiv.org/pdf/2308.05679.pdf>

Segmentation of Coronal Holes Using Active Contours Without Edges

L. E. [Boucheron](#), M. Valluri, R. T. J. McAteer
Solar Phys. 2016

14 July, 12:00 и 20:30 - две центральные эрупции; See Events

SMARPs and SHARPs: Two Solar Cycles of Active Region Data

[Monica G. Bobra](#), [Paul J. Wright](#), [Xudong Sun](#), [Michael J. Turmon](#)

ApJS 2021

<https://arxiv.org/pdf/2108.07918.pdf>

15 July

3He-rich solar energetic particles: Solar sources

Review

R. [Bucik](#)

Space Sci Rev 2020

<https://arxiv.org/pdf/2002.09442.pdf>

The FitCoPI Code: Iterative Determination of the 3D Density and Temperature Configuration in the Active-Region Corona

Stephan [Barra](#)

[Solar Physics](#) July 2019, 294:101

<https://link.springer.com/content/pdf/10.1007%2Fs11207-019-1482-y.pdf>

Prediction of Flares within 10 Days before They Occur on the Sun

Nasibe [Alipour](#), Faranak Mohammadi, and Hossein Safari

2019 ApJS 243 20

sci-hub.se/10.3847/1538-4365/ab289b

16 July

Magnetic Flux Cancellation as the Buildup and Trigger Mechanism for CME-Producing Eruptions in two Small Active Regions

Alphonse C. [Sterling](#), [Ronald L. Moore](#), [Navdeep K. Panesar](#)

ApJ 2018

<https://arxiv.org/pdf/1807.03237.pdf>

CHALLENGING SOME CONTEMPORARY VIEWS OF CORONAL MASS EJECTIONS.

I. THE CASE FOR BLAST WAVES

T. A. [Howard](#)¹ and V. J. Pizzo

2016 ApJ 824 92 File

18 July, >03 – эрупция почти центрального E волокна, **304 A**

19 July

A MICRO CORONAL MASS EJECTION ASSOCIATED BLOWOUT EXTREME-ULTRAVIOLET JET

Junchao [Hong](#), Yunchun Jiang, Ruisheng Zheng, Jiayan Yang, Yi Bi and Bo Yang

2011 ApJ 738 L20, File

19-23 July

Analysis of a long-duration AR throughout five solar rotations: Magnetic properties and ejective events

Francisco A. [Iglesias](#), [Hebe Cremades](#), [Luciano A. Merenda](#), [Cristina H. Mandrini](#), [Fernando M. Lopez](#), [Marcelo C. Lopez Fuentes](#), [Ignacio Ugarte-Urra](#)

Advances in Space Research

2019

<https://arxiv.org/pdf/1911.01265.pdf>

20 July

MHD Waves in the coronal holes

Review

D. **Banerjee**, S. Krishna Prasad

Chapter in AGU Monograph 2015

<http://arxiv.org/pdf/1505.04475v1.pdf>

20-30 July

The reversal of the Sun's magnetic field in cycle 24

Alexander V. **Mordvinov**, Alexei A. Pevtsov, Luca Bertello, Gordon J.D. Petrie

JASTP 2016

<http://arxiv.org/pdf/1602.02460v1.pdf>

July 24

SOLAR CORONA LOOP STUDIES WITH THE ATMOSPHERIC IMAGING ASSEMBLY. I. CROSS-SECTIONAL TEMPERATURE STRUCTURE

Markus J. **Aschwanden** and Paul Boerner

2011 ApJ 732 81

25 Jul

Solar Jet Hunter: a citizen science initiative to identify coronal jets in EUV data sets

[S. Musset](#), [P. Jol](#), [R. Sankar](#), [S. Alnahari](#), [C. Kapsiak](#), [E. Ostlund](#), [K. Lasko](#), [L. Glesener](#), [L. Fortson](#), [G. D. Fleishman](#), [N. K. Panesar](#), [Y. Zhang](#), [M. Jeunon](#), [N. Hurlburt](#)

A&A 2023

<https://arxiv.org/pdf/2309.14871.pdf>

High-fidelity 3D Reconstruction of Solar Coronal Physics with the Updated CROBAR Method

Joseph **Plowman** (1), [Daniel B. Seaton](#) (1), [Amir Caspi](#) (1), [J. Marcus Hughes](#) (1), [Matthew J. West](#) (1)

ApJ 2023

<https://arxiv.org/pdf/2309.08053.pdf>

July 27

Large-scale Globally Propagating Coronal Waves

Review

Warmuth, Alexander

Living Reviews in Solar Physics, PUB.NO. lrsp-2015-3, 2015

<http://solarphysics.livingreviews.org/Articles/lrsp-2015-3/> File

Advances in Observing Various Coronal EUV Waves in the SDO Era and Their Seismological Applications (Invited Review)

Wei **Liu**, Leon Ofman

E-print, April 2014; Solar Physics (Topical Issue, "Exploring the Network of SDO Science")

http://sun.stanford.edu/~weiliu/research/publications/2014/2014SolPhy_Liu_Ofman_SDO-EUV-wave-review.pdf

On the Nature and Genesis of EUV Waves: A Synthesis of Observations from SOHO, STEREO, SDO, and Hinode

Review

Spiros **Patsourakos** 1 _ Angelos Vourlidas

arXiv-print, 2012, File; Solar Physics, Special Issue "The Sun in 360", 2012,

First Evidence of Coexisting EIT Wave and Coronal Moreton Wave from SDO/AIA Observations

P. F. **Chen** and Y. Wu

2011, ApJ 732 L20, File

July 30 – Aug 1

INTERACTIONS BETWEEN CORONAL MASS EJECTIONS VIEWED IN COORDINATED IMAGING AND IN SITU OBSERVATIONS

Ying D. [Liu](#)^{1,2}, Janet G. Luhmann¹, Christian Möstl^{1,3,4}, Juan C. Martinez-Oliveros¹, Stuart D. Bale¹, Robert P. Lin^{1,5}, Richard A. Harrison⁶, Manuela Temmer³, David F. Webb⁷ and Dusan Odstrcil
2012 ApJ 746 L15

July 30- Aug 23

Modeling solar energetic particle events using ENLIL heliosphere simulations

J. G. [Luhmann](#), M. L. Mays, D. Odstrcil, Yan Li, H. Bain, C. O. Lee, A. B. Galvin, R. A. Mewaldt, C. M. S. Cohen, R. A. Leske, et al

Space Weather Volume 15, Issue 7 July 2017 Pages 934–954

<http://sci-hub.cc/10.1002/2017SW001617>

31 July

Using SDO's AIA to investigate energy transport from a flare's energy release site to the chromosphere*

J. W. [Brosius](#)¹ and G. D. Holman

A&A 540, A24 (2012)

August

КРУПНОМАСШТАБНАЯ И МЕЛКОМАСШТАБНАЯ СТРУКТУРА СОЛНЕЧНОГО ВЕТРА, ФОРМИРУЮЩАЯСЯ ПРИ ВЗАИМОДЕЙСТВИИ ПОТОКОВ В ГЕЛИОСФЕРЕ

[РОДЬКИН](#) Д.Г. , [КАПОРЦЕВА](#) К.Б.², [ЛУКАШЕНКО](#) А.Т.³, [ВЕСЕЛОВСКИЙ](#) И.С.^{3,4}, [СЛЕМЗИН](#) В.А.¹, [ШУГАЙ](#) Ю.С.³

Косм. Исслед. Том: 57Номер: [1](#) Год: 2019 Страницы: 21-31

Shock Connectivity in the August 2010 and July 2012 Solar Energetic Particle Events Inferred from Observations and ENLIL Modeling

H. M. [Bain](#), M. L. Mays, J. G. Luhmann, Y. Li, L. K. Jian, and D. Odstrcil

2016 ApJ 825 1

Aug 1

Improving the Arrival Time Estimates of Coronal Mass Ejections by Using Magnetohydrodynamic Ensemble Modeling, Heliospheric Imager data, and Machine Learning

Talwinder [Singh](#), [Bernard Benson](#), [Syed A. Z. Raza](#), [Tae K. Kim](#), [Nikolai V. Pogorelov](#), [William P. Smith](#), [Charles N. Arge](#)

2023

<https://arxiv.org/pdf/2302.05588.pdf>

A Fast, Simple, Robust Algorithm for Coronal Temperature Reconstruction

[Joseph Plowman](#), [Amir Caspi](#)

ApJ 2020

<https://arxiv.org/pdf/2006.06828.pdf>

Extracting the Temperature of a Coronal Loop in the Solar Active Region 11092

Narges [Fathalian](#)

Growth Rates of the Upper-Hybrid Waves for Power-Law and Kappa Distributions with a Loss-Cone Anisotropy

Leonid V. **Yasnov**, Jan Benáček, Marian Karlický

Solar Phys. 294, 29 **2019**

<https://link.springer.com/content/pdf/10.1007%2Fs11207-019-1415-9.pdf>

Plasma diagnostics of coronal dimming events

Kamalam **Vanninathan**, [Astrid M. Veronig](#), [Karin Dissauer](#), [Manuela Temmer](#)

ApJ **2018**

<https://arxiv.org/pdf/1802.06152.pdf>

Numerical simulations of ICME-ICME interactions

Tatiana **Niembro**, [Alejandro Lara](#), [Ricardo F. González](#), [J. Cantó](#)

2018

<https://arxiv.org/pdf/1801.03136.pdf>

Oscillation Maps in the Broadband Radio Spectrum of the 1 August 2010 Event

M. **Karlicky**, J. Rybak

Solar Phys. **2016**

<https://arxiv.org/pdf/1611.02074v1.pdf>

CHALLENGING SOME CONTEMPORARY VIEWS OF CORONAL MASS EJECTIONS.

I. THE CASE FOR BLAST WAVES

T. A. **Howard**¹ and V. J. Pizzo

2016 ApJ 824 92 **File**

AN ANALYTICAL MODEL OF INTERPLANETARY CORONAL MASS EJECTION INTERACTIONS

T. **Niembro**^{1,3}, J. Cantó², A. Lara³, and R. F. González

2015 ApJ 811 69

Connecting speeds, directions and arrival times of 22 coronal mass ejections from the Sun to 1 AU

C. **Möstl**, K. Amla, J. R. Hall, P. C. Liewer, E. M. De Jong, R. C. Colaninno, A. M. Veronig, T. Rollett, M. Temmer, V. Peinhart, J. A. Davies, N. Lugaz, Y. D. Liu, C.J. Farrugia, J. G. Luhmann, B. Vršnak, R. A. Harrison, A. B. Galvin

ApJ, **2014**

<http://arxiv.org/pdf/1404.3579v1.pdf>

Origins of Rolling, Twisting and Non-Radial Propagation of Eruptive Solar Events

Olga **Panasenco**, Sara F. Martin, Marco Velli, Angelos Vourlidas

E-print, Dec **2012**; Solar Phys., **2013**, Volume 287, Issue 1-2, pp 391-413

Pathways of large-scale magnetic couplings between coronal events

C.J. **Schrijver**, A.M. Title, A.R. Yeates and M.L. DeRosa

E-print, May **2013**, **File**; ApJSS

THE HEIGHT EVOLUTION OF THE "TRUE" CORONAL MASS EJECTION MASS DERIVED FROM STEREO COR1 AND COR2 OBSERVATIONS

B. M. **Bein**¹, M. Temmer¹, A. Vourlidas², A. M. Veronig¹, and D. Utz

2013 ApJ 768 31; **File**

Aug 1-2

Concept of the Solar Ring Mission: Overview

Yuming [Wang](#), [Haisheng Ji](#), [Yamin Wang](#), [Lidong Xia](#), [Chenglong Shen](#), [Jingnan Guo](#), [Quanhao Zhang](#), [Zhenghua Huang](#), [Kai Liu](#), [Xiaolei Li](#), [Rui Liu](#), [Jingxiu Wang](#), [Shui Wang](#)

Science China Technological Sciences, 2020

<https://arxiv.org/pdf/2003.12728.pdf>

2010 AUGUST 1-2 SYMPATHETIC ERUPTIONS. I. MAGNETIC TOPOLOGY OF THE SOURCE-SURFACE BACKGROUND FIELD

V. S. Titov¹, Z. Mikic¹, T. Török¹, J. A. Linker¹, and O. Panasenco

2012 ApJ 759 70

Long-range magnetic couplings between solar flares and coronal mass ejections observed by SDO and STEREO

C.J. Schrijver and A.M. Title

E-print, 18 Jan 2011, File; JGR, 116, A04108, doi:10.1029/2010JA016224, 2011

Aug 1-4

Global three-dimensional simulation of the interplanetary evolution of the observed geoeffective coronal mass ejection during the epoch 1-4 August 2010

[Wu](#), Chin-Chun; Dryer, Murray; Wu, S. T.; Wood, Brian E.; Fry, Craig D.; Liou, Kan; Plunkett, Simon J. Geophys. Res., Vol. 116, No. A12, A12103, 2011

1 August

http://science.nasa.gov/science-news/science-at-nasa/2010/13dec_globaleruption/

COMPLEX ERUPTION ON THE SUN: On August 1st around 0855 UT, Earth orbiting satellites detected a C3-class solar flare. The origin of the blast was sunspot 1092. At about the same time, an enormous magnetic filament stretching across the sun's northern hemisphere erupted. NASA's Solar Dynamics Observatory recorded the action: C3.2 long duration event peaking at 08:26 UTC. This event was associated with a moderate type IV radio sweep and a full halo CME.

Click to launch a movie (EUV 304 Å)

The timing of these events suggest they are connected, and a review of SDO movies strengthens that conclusion. Despite the ~400,000 km distance between them, the sunspot and filament seem to erupt together; they are probably connected by long-range magnetic fields. In this movie (171 Å), a shadowy shock wave (a "solar tsunami") can be seen emerging from the flare site and rippling across the northern hemisphere into the filament's eruption zone. That may have helped propel the filament into space.

In short, we have just witnessed a complex global eruption involving almost the entire Earth-facing side of the sun.

A coronal mass ejection (CME) produced by the event is heading directly for Earth: SOHO movie. High-latitude sky watchers should be alert for auroras when it arrives on or about August 3rd.

A full halo CME associated with a C3 long duration event in region 11092 could reach Earth sometime between the afternoon on August 3 and noon on August 4.

Повторная эрупция северного-центрального волокна в 19-20 UT; см. данные **MLSO**.
See Events

Письмо Белову от 3 авг, 10:30 по Москве

1 августа, 08-10 UT: комплексная эрупция из АО 1092 с LDE вспышкой C3.2 (N20E36), приличным CME типа гало, заметным радиоизлучением и последующая эрупция крупного северного/центрального волокна. Прицепляю картинку.

По EIT подходящие изображения только в 01:25 и 13:48; в промежутке изображений на 195 А нет.

Поэтому оценки надо рассматривать как весьма приблизительные.

По двум указанным изображениям магнитный параметр 111,7 (10^{20}) Мкс (примерно как 03.04.2010).

По нему ожидаемые величины примерно следующие:

транзитное время ~58 ч, т.е. приход возмущения (УВ) к Земле 3 августа, примерно в 19 UT;

форбуш до 2,5-3 %, Dst (при благоприятном Vz) от нескольких десятков до 100 нТл.

!!! Из-за большого интервала между имеющимися изображениями ожидаемые величины Форбуша и Dst могут оказаться несколько переоцененными.

SITCoM: SiRGraF Integrated Tool for Coronal dynamics

[Purvi Udhvani](#), [Arpit Kumar Shrivastav](#), [Ritesh Patel](#)

Frontiers in Astronomy and Space Sciences **2023**

<https://arxiv.org/pdf/2308.04647.pdf>

Turbulence in Sources of Decimetric Flare Continua

Marian **Karlický**

[Solar Physics](#) volume 298, Article number: 95 (2023)

<https://link.springer.com/content/pdf/10.1007/s11207-023-02188-5.pdf>

Evolution of Solar Eruptive Events: Investigating the Relationships among Magnetic Reconnection, Flare Energy Release, and Coronal Mass Ejections

Juliana T. **Vievering**¹, Angelos Vourlidis¹, Chunming Zhu², Jiong Qiu², and Lindsay Glesener³
2023 ApJ 946 81

<https://iopscience.iop.org/article/10.3847/1538-4357/acbe3d/pdf>

Simulations of solar radio zebra

M. **Karlický**

A&A 661, A56 (2022)

<https://doi.org/10.1051/0004-6361/202142497>

<https://www.aanda.org/articles/aa/pdf/2022/05/aa42497-21.pdf>

A Simple Radial Gradient Filter for Batch-Processing of Coronagraph Images

[Ritesh Patel](#), [Satabdwa Majumdar](#), [Vaibhav Pant](#), [Dipankar Banerjee](#)

Solar Phys. **2022**

<https://arxiv.org/pdf/2201.13043.pdf>

Predicting CMEs using ELEvoHI with STEREO-HI beacon data

Maïke **Bauer**, [Tanja Amerstorfer](#), [Jürgen Hinterreiter](#), [Andreas J. Weiss](#), [Jackie A. Davies](#), [Christian Möstl](#), [Ute V. Amerstorfer](#), [Martin A. Reiss](#), [Richard A. Harrison](#)

Space Weather 2021
<https://arxiv.org/pdf/2108.08072.pdf>

Magnetic Field, Electron Density and Their Spatial Scales in Zebra Pattern Radio Sources

[L. V. Yasnov](#) & [M. Karlický](#)

Solar Physics volume 295, Article number: 96 (2020)

<https://link.springer.com/content/pdf/10.1007/s11207-020-01652-w.pdf>

High resolution observations with Artemis--JLS, (II) Type IV associated intermediate drift bursts

C. [Bouratzis](#), A. [Hillaris](#), C.E. [Alissandrakis](#), P. [Preka-Papadema](#), X. [Moussas](#), C. [Caroubalos](#), P. [Tsitsipis](#), A. [Kontogeorgos](#)

A&A 2019

<https://arxiv.org/pdf/1904.02262.pdf>

АЛЬТЕРНАТИВНЫЕ МОДЕЛИ ЗЕБРА-СТРУКТУРЫ В СОЛНЕЧНОМ РАДИОИЗЛУЧЕНИИ

Чернов Г.П., Фомичев В.В.

Астрономия-2018 Том 2 Солнечно-земная физика – современное состояние и перспективы С.266

<http://www.izmiran.ru/library/eaas2018/eaas-2018-2.pdf>

Double plasma-resonance surfaces in flare loops and radio zebra emission

M. [Karlický](#)¹ and L. [Yasnov](#)^{2,3}

A&A 618, A60 (2018)

[sci-hub.tw/10.1051/0004-6361/201833516](https://arxiv.org/abs/1803.08351)

Determination of Plasma Parameters in Radio Sources of Solar Zebra-patterns Based on Relations between the Zebra-stripe Frequencies and Gyro-harmonic Numbers

Marian [Karlický](#)¹ and Leonid V. [Yasnov](#)^{2,3}

2018 ApJ 867 28

[sci-hub.tw/10.3847/1538-4357/aae1f8](https://arxiv.org/abs/1803.08351)

МОДЕЛЬ ЗЕБРА-СТРУКТУРЫ В СОЛНЕЧНОМ РАДИОИЗЛУЧЕНИИ

ЧЕРНОВ Г. П.1, **ФОМИЧЕВ** В. В.1, **СЫЧ** Р. А.2

Геомаг. и Аэрон. Том: 58Номер: 3 Год: 2018 Страницы: 411-422

The application of heliospheric imaging to space weather operations: Lessons learned from published studies **Review**

Richard A. [Harrison](#), Jackie A. [Davies](#), Doug [Biesecker](#), Mark [Gibbs](#)

Space Weather Volume 15, Issue 8 August 2017 Pages 985–1003

<http://onlinelibrary.wiley.com/doi/10.1002/2017SW001633/full>

A Model of Zebra Patterns in Solar Radio Emission

G. P. [Chernov](#), V. V. [Fomichev](#), R. A. [Sych](#)

Geomagnetism and Aeronomy, 2017, Vol. 57, No. 6, pp. 738_751

<https://arxiv.org/ftp/arxiv/papers/1806/1806.08532.pdf>

Comparison of alternative zebra-structure models in solar radio emission

G.P. [Chernov](#), V.V. [Fomichev](#), R.A. [Sych](#)

Oral report at the conference: XII Solar System Plasma Conference, February 6, 2017, Space Research Institute of RAS, Moscow, Russia 2017

<https://arxiv.org/ftp/arxiv/papers/1704/1704.02528.pdf>

A STEREO Survey of Magnetic Cloud Coronal Mass Ejections Observed at Earth in 2008-2012

Brian E. [Wood](#), Chin-Chun Wu, Ronald P. Lepping, [Teresa Nieves-Chinchilla](#), [Russell A. Howard](#), [Mark G. Linton](#), [Dennis G. Socker](#)
Astrophysical Journal Supplement **2017 File**
<https://arxiv.org/pdf/1701.01682v1.pdf>

**CHALLENGING SOME CONTEMPORARY VIEWS OF CORONAL MASS EJECTIONS.
I. THE CASE FOR BLAST WAVES**

T. A. [Howard](#)¹ and V. J. Pizzo
2016 ApJ 824 92
<http://sci-hub.cc/doi/10.3847/0004-637X/824/2/92>

Last news on zebra pattern

Gennady [Chernov](#)
Solar Phys. **2016**
<http://arxiv.org/ftp/arxiv/papers/1512/1512.06311.pdf>

**Quasi-periodic Fast-mode Magnetosonic Wave Trains Within Coronal Waveguides
Associated with Flares and CMEs**

Wei [Liu](#), Leon Ofman, Brittany Broder, Marian Karlicky, and Cooper Downs
Proceedings of the 14th International Solar Wind Conference, **2015**
http://sun.stanford.edu/~weiliu/research/publications/2016/2016AIP_WeiLiu_QFPs_SolWind14.pdf

Automated Detection of Solar Eruptions

Neal [Hurlburt](#)
Journal of SpaceWeather and Space Climate, **2015**
<http://arxiv.org/pdf/1504.03395v1.pdf>

Solar Radio Bursts with Spectral Fine Structures in Preflares

Yin [Zhang](#), Baolin Tan, Marian Karlický, Hana Mészárosóvá, Jing Huang, Chengming Tan, Paulo Simões
2014
<http://arxiv.org/pdf/1411.4766v1.pdf>

**Dynamics of flare processes and variety of the fine structure of solar radio emission over a
wide frequency range of 30 - 7000 MHz**

Gennady [Chernov](#), Valery Fomichev, Baolin Tan, Yihua Yan, Chengming Tan, Qijun Fu
Solar Phys., **2014**
<http://arxiv.org/pdf/1409.0660v1.pdf>

**Decimetric and metric digital solar radio spectrometers of the Yunnan Astronomical
Observatories and the first-light results**

G. [Gao](#), M. Wanga, L. Donga, N. Wu, J. Lin
New Astron. Volume 30, July **2014**, Pages 68–78
<http://www.sciencedirect.com/science/article/pii/S1384107614000153>

**ПРОГНОЗ ИНТЕНСИВНОСТИ ГЕОМАГНИТНЫХ БУРЬ, ВЫЗВАННЫХ
МАГНИТНЫМИ ОБЛАКАМИ СОЛНЕЧНОГО ВЕТРА С УЧЕТОМ СЕЗОНА ГОДА И ИХ
НАЧАЛЬНОЙ ОРИЕНТАЦИИ**

Н.А. [Бархатов](#), Е. А. Ревунова, А.Б. Виноградов
ИКИ-2014 Сессия: Солнечный ветер, гелиосфера и солнечно-земные связи
<http://plasma2014.cosmos.ru/presentations> **File: презентация**

**Simulated (STEREO) Views of the SolarWind Disturbances Following the Coronal Mass
Ejections of 1 August 2010**

Y. **Zhang** · A.M. Du · X.S. Feng · W. Sun · Y.D. Liu · C.D. Fry · C.S. Deehr · M. Dryer · B. Zieger · Y.Q. Xie
Solar Phys (2014) 289:319–338
http://sprg.ssl.berkeley.edu/~liuxying/pubs/2014_sp_zhang.pdf

Kinematic Properties of Slow ICMEs and an Interpretation of a Modified Drag Equation for Fast and Moderate ICMEs

T. **Iju**, M. Tokumaru, K. Fujiki
Solar Physics, June 2014, Volume 289, Issue 6, pp 2157-2175
<http://arxiv.org/pdf/1401.1724v1.pdf>

Frequency variations of solar radio zebras and their power-law spectra

M. **Karlický**
A&A 561, A34 (2014)

THE HEIGHT EVOLUTION OF THE "TRUE" CORONAL MASS EJECTION MASS DERIVED FROM STEREO COR1 AND COR2 OBSERVATIONS

B. M. **Bein**¹, M. Temmer¹, A. Vourlidas², A. M. Veronig¹, and D. Utz
2013 ApJ 768 31; **File**

ULTRAVIOLET AND EXTREME-ULTRAVIOLET EMISSIONS AT THE FLARE FOOTPOINTS OBSERVED BY ATMOSPHERE IMAGING ASSEMBLY

Jiong **Qiu**, Zoe Sturrock, Dana W. Longcope, James A. Klimchuk, and Wen-Juan Liu
E-print, Aug 2013; 2013 ApJ 774 14
<http://arxiv.org/pdf/1305.6899v1.pdf>

Presence of solar filament plasma detected in interplanetary coronal mass ejections by in situ spacecraft

Rahul **Sharma**^{1,*} and Nandita Srivastava²
J. Space Weather Space Clim. 2 (2012) A10
<http://www.swsc-journal.org/articles/swsc/pdf/2012/01/swsc120018.pdf>

Multi-point Shock and Flux Rope Analysis of Multiple Interplanetary Coronal Mass Ejections around 2010 August 1 in the Inner Heliosphere

Möstl, C., Farrugia, C. J., Kilpua, E. K. J., et al. 2012, ApJ, 758, 10
<http://arxiv.org/pdf/1209.2866v1.pdf>

CONTRACTING AND ERUPTING COMPONENTS OF SIGMOIDAL ACTIVE REGIONS

Rui **Liu**^{1,2}, Chang Liu², Tibor Török³, Yuming Wang¹, and Haimin Wang
2012 ApJ 757 150

HEATING OF FLARE LOOPS WITH OBSERVATIONALLY CONSTRAINED HEATING FUNCTIONS

Jiong **Qiu**, Wen-Juan Liu, and Dana W. Longcope
2012 ApJ 752 124

AN ANALYSIS OF THE ORIGIN AND PROPAGATION OF THE MULTIPLE CORONAL MASS EJECTIONS OF 2010 AUGUST 1

R. A. **Harrison**¹, J. A. Davies¹, C. Möstl^{2,3,4}, Y. Liu^{4,5}, M. Temmer^{2,3}, M. M. Bisi^{6,7}, J. P. Eastwood⁸, C. A. de Koning⁹, N. Nitta¹⁰, T. Rollett^{2,3}, C. J. Farrugia¹¹, R. J. Forsyth⁸, B. V. Jackson⁷, E. A. Jensen¹², E. K. J. Kilpua¹³, D. Odstrčil¹⁴, and D. F. Webb
2012 ApJ 750 45, **File**

CHARACTERISTICS OF KINEMATICS OF A CORONAL MASS EJECTION DURING THE 2010 AUGUST 1 CME–CME INTERACTION EVENT

Manuela **Temmer**¹, Bojan Vršnak², Tanja Rollett¹, Bianca Bein¹, Curt A. de Koning³, Ying Liu^{4,5}, Eckhard Bosman⁶, Jackie A. Davies⁷, Christian Möstl^{1,4,6}, Tomislav Žic², Astrid M. Veronig¹, Volker Bothmer⁷, Richard Harrison⁸, Nariaki Nitta⁹, Mario Bisi^{10,11}, Olga Flor¹, Jonathan Eastwood¹², Dusan Odstrcil¹³ and Robert Forsyth
2012 ApJ 749 57, **File**

THE 2010 AUGUST 1 TYPE II BURST: A CME-CME INTERACTION AND ITS RADIO AND WHITE-LIGHT MANIFESTATIONS

Juan Carlos Martínez **Oliveros**¹, Claire L. Raftery¹, Hazel M. Bain¹, Ying Liu¹, Vratislav Krupar^{2,3}, Stuart Bale^{1,4} and Sám Krucker
2012 ApJ 748 66, **File**

MODELING SUPER-FAST MAGNETOSONIC WAVES OBSERVED BY SDO IN ACTIVE REGION FUNNELS

L. **Ofman**^{1,2,5}, W. Liu^{3,4}, A. Title³ and M. Aschwanden
2011 ApJ 740 L33

A MODEL FOR MAGNETICALLY COUPLED SYMPATHETIC ERUPTIONS

T. **Török**¹, O. Panasenco², V. S. Titov¹, Z. Mikić¹, K. K. Reeves³, M. Velli⁴, J. A. Linker¹ and G. De Toma
2011 ApJ 739 L63, **File**

THREE-DIMENSIONAL RECONSTRUCTION OF AN ERUPTING FILAMENT WITH SOLAR DYNAMICS OBSERVATORY AND STEREO OBSERVATIONS

Ting **Li**, Jun Zhang, Yuzong Zhang and Shuhong Yang
2011 ApJ 739 43, **File**

ACCELERATION OF CORONAL MASS EJECTIONS FROM THREE-DIMENSIONAL RECONSTRUCTION OF STEREO IMAGES

Anand D. **Joshi** and Nandita Srivastava
2011 ApJ 739 8, **File**

Three-Dimensional Reconstruction of an Erupting Filament with SDO and STEREO Observations

Ting **Li**, Jun Zhang, Yuzong Zhang, Shuhong Yang
E-print, July 2011, **File**;

KINEMATICS OF TWO ERUPTIVE PROMINENCES OBSERVED BY EUVI/STEREO

Anand D. **Joshi** and Nandita Srivastava
Astrophysical Journal, 730:104 (11pp), 2011 April, **File**

Sigmoid-to-Flux-Rope Transition Leading to A Loop-Like Coronal Mass Ejection

Rui **Liu**¹, Chang Liu¹, Shuo Wang¹, Na Deng, and Haimin Wang
E-print, Nov 2010, ApJL, 725:L84–L90, 2010; **File**

1-2 Aug

Concept of the Solar Ring Mission: An overview

YuMing **Wang**, [HaiSheng Ji](#), [YaMin Wang](#), [LiDong Xia](#), [ChengLong Shen](#), et al.
[Science China Technological Sciences](#) volume 63, pages1699–1713 (2020)
<https://link.springer.com/content/pdf/10.1007/s11431-020-1603-2.pdf>
<https://doi.org/10.1007/s11431-020-1603-2>

he Interaction of Successive Coronal Mass Ejections: A **Review**

Noé **Lugaz** Manuela Temmer Yuming Wang Charles J. Farrugia

Sol Phys (2017) 292: 64. [File](#)
<http://sci-hub.cc/10.1007/s11207-017-1091-6>

2010 August 1-2 sympathetic eruptions: II. Magnetic topology of the MHD background field

Viacheslav S. [Titov](#), [Zoran Mikic](#), [Tibor Torok](#), [Jon A. Linker](#), [Olga Panasenco](#)
ApJ **2017**
<https://arxiv.org/pdf/1707.07773.pdf>

2010 AUGUST 1-2 SYMPATHETIC ERUPTIONS. I. MAGNETIC TOPOLOGY OF THE SOURCE-SURFACE BACKGROUND FIELD

V. S. [Titov](#)¹, Z. Mikic¹, T. Török¹, J. A. Linker¹, and O. Panasenco
2012 ApJ 759 70

2 Aug

Linking the Sun to the Heliosphere Using Composition Data and Modelling. A Test Case with a Coronal Jet

Susanna [Parenti](#), [Iulia Chifu](#), [Giulio Del Zanna](#), [Justin Edmondson](#), [Alessandra Giunta](#), [Viggo H. Hansteen](#), [Aleida Higginson](#), [J. Martin Laming](#), [Susan T. Lepri](#), [Benjamin J. Lynch](#), [Yeimy J. Rivera](#), [Rudolf von Steiger](#), [Thomas Wiegmann](#), [Robert F. Wimmer-Schweingruber](#), [Natalia Zambrana Prado](#), [Gabriel Pelouze](#)
Space Science Reviews **2021**
<https://arxiv.org/pdf/2110.06111.pdf>

Statistical study of hard X-ray emitting electrons associated with flare-related coronal jets

Sophie [Musset](#), [Mariana Jeunon](#), [Lindsay Glesener](#)
2019
<https://arxiv.org/pdf/1903.10414.pdf>

Multiwavelength study of 20 jets that emanate from the periphery of active regions

Sargam M. [Mulay](#), Durgesh Tripathi, Giulio Del Zanna, and Helen Mason
CESRA highlights #959, Nov. 2016
<http://www.astro.gla.ac.uk/users/eduard/cesra/?p=959>

Multiwavelength study of twenty jets emanating from the periphery of active regions

Sargam M. [Mulay](#), Durgesh Tripathi, Giulio Del Zanna, Helen Mason
A&A 589, A79 **2016**

Active Regions with Superpenumbral Whirls or Sunspots Like Pinwheels

Rudi [Komm](#)
HMI Science Nuggets #23, **2014**
<http://hmi.stanford.edu/hminuggets/?p=884>

2-5 Aug

Linking the Sun to the Heliosphere Using Composition Data and Modelling. A Test Case with a Coronal Jet

Susanna [Parenti](#), [Iulia Chifu](#), [Giulio Del Zanna](#), [Justin Edmondson](#), [Alessandra Giunta](#), [Viggo H. Hansteen](#), [Aleida Higginson](#), [J. Martin Laming](#), [Susan T. Lepri](#), [Benjamin J. Lynch](#), [Yeimy J. Rivera](#), [Rudolf von Steiger](#), [Thomas Wiegmann](#), [Robert F. Wimmer-Schweingruber](#), [Natalia Zambrana Prado](#), [Gabriel Pelouze](#)
Space Science Reviews **2021**
<https://arxiv.org/pdf/2110.06111.pdf>

2-28 Aug

Analysis of a long-duration AR throughout five solar rotations: Magnetic properties and ejective events

Francisco A. [Iglesias](#), [Hebe Cremades](#), [Luciano A. Merenda](#), [Cristina H. Mandrini](#), [Fernando M. Lopez](#), [Marcelo C. Lopez Fuentes](#), [Ignacio Ugarte-Urra](#)

Advances in Space Research **2019**

<https://arxiv.org/pdf/1911.01265.pdf>

3 Aug

http://solar.gmu.edu/heliophysics/index.php/The_ISEST_Event_List

ICME Evolution in the Inner Heliosphere

Invited Review

J. G. [Luhmann](#), [N. Gopalswamy](#), [L. K. Jian](#) & [N. Lugaz](#)

[Solar Physics](#) volume 295, Article number: 61 (2020) **File**

<https://link.springer.com/content/pdf/10.1007%2Fs11207-020-01624-0.pdf>

Observations of solar X-ray and EUV jets and their related phenomena **Review**

Davina [Innes](#), Radoslav Bucik, Li-Jia Guo, Nariaka Nitte

[Astronomische Nachrichten](#) **2016**

<http://arxiv.org/pdf/1603.03258v1.pdf>

Tracing the Chromospheric and Coronal Magnetic Field with AIA, IRIS, IBIS, and ROSA Data

M.J. [Aschwanden](#), K. Reardon, D. Jess

2016

<http://arxiv.org/pdf/1602.02119v1.pdf>

Observations of multiple blobs in homologous solar coronal jets in closed loops

Q. M. [Zhang](#), H. S. Ji, Y. N. Su

[Solar Phys.](#) **2016**

<http://arxiv.org/pdf/1601.04390v1.pdf>

Observations of a pulse-driven cool polar jet by SDO/AIA

A. K. [Srivastava](#)^{1,2} and K. Murawsk

[A&A](#) 534, A62 (2011)

NONPOTENTIALITY OF CHROMOSPHERIC FIBRILS IN NOAA ACTIVE REGIONS 11092 AND 9661

Ju [Jing](#)¹, Yuan Yuan¹, Kevin Reardon^{2,3}, Thomas Wiegelmann⁴, Yan Xu¹ and Haimin Wang

2011 [ApJ](#) 739 67

EUV jets, type III radio bursts and sunspot waves investigated using SDO/AIA observations

D. E. [Innes](#), R. H. Cameron and S. K. Solanki

E-print, June **2011**; [A&A](#) 531, L13 (2011) , **File**

ATMOSPHERIC IMAGING ASSEMBLY MULTITHERMAL LOOP ANALYSIS: FIRST RESULTS **SDO**

J. T. [Schmelz](#)^{1,2}, J. A. Kimble¹, B. S. Jenkins¹, B. T. Worley¹, D. J. Anderson¹, S. Pathak¹, and S. H. Saar²

[Astrophysical Journal Letters](#), 725:L34–L37, **2010**

4 Aug

Structures of Interplanetary Magnetic Flux Ropes and Comparison with Their Solar Sources

Qiang [Hu](#), Jiong Qiu, B. Dasgupta, A. Khare, and G. M. Webb

[ApJ](#), **2014**; **File**

https://dl.dropboxusercontent.com/u/96898685/ms_fr_v4.pdf

5-6 Aug

Damping and power spectra of quasi-periodic intensity disturbances above a solar polar coronal hole

Fanran **Jiao**, Lidong Xia, Zhenghua Huang, Bo Li, Hui Fu, Ding Yuan, Kalugodu Chandrashekar
Research in Astron. Astrophys. **2016**
<http://arxiv.org/pdf/1602.04883v1.pdf>

Sources of quasi-periodic propagating disturbances above a solar polar coronal hole

Fang-Ran **Jiao**, [Li-Dong Xia](#), [Bo Li](#), [Zheng-Hua Huang](#), [Xing Li](#), [Kalugodu Chandrashekar](#), [Chao-Zhou Mou](#), [Hui Fu](#)
2015
<http://arxiv.org/pdf/1507.08440v1.pdf>

6 Aug

First direct measurements of transverse waves in solar polar plumes using SDO/AIA

Jonathan **Thurgood**, Richard Morton, James McLaughlin
UKSP Nugget #57, Apr **2015**
<http://www.uksolphys.org/?p=9993>

Statistical Analysis of the Horizontal Divergent Flow in Emerging Solar Active Regions

Shin **Toriumi**, Keiji Hayashi, Takaaki Yokoyama
ApJ, **2014**
<http://arxiv.org/pdf/1408.2383v1.pdf>

Aug 06-07

Quantifying the Consistency and Characterizing the Confidence of Coronal Holes Detected by Active Contours without Edges (ACWE)

Jeremy A. **Grajeda**, [Laura E. Boucheron](#), [Michael S. Kirk](#), [Andrew Leisner](#), [C. Nick Arge](#)
2023
<https://arxiv.org/pdf/2308.05679.pdf>

7 Aug - 18:51 – M1.0 вспышка, **пересвет** на STEREO-B, $B=17*2/283=0,12$

7 Aug: LDE Flare: **M1.0/2F** at 18:24 UTC. This flare was associated with a moderate type II radio sweep and **a large and wide CME**. An impressive CME was observed in STEREO-B images after the M1 flare in region 11093. The CME is highly likely Earth directed.

На EIT картинки только около 13 UT.

Хорошие данные на STEREO-B и SDO: корональная волна по всему диску, димминги и т.д.

Письмо Белову от 9 авг, 11 по Москве

На EIT картинки 7-ого только около 13 UT и затем 8-ого, около 01 UT. **Так теперь будет всегда, поскольку в такой режим наблюдений перешел SOHO/EIT. Для такой оперативной работы надо вслед за американцами переходить на SDO, но это отдельная большая задача.**

Прицепляю картинку по двум кадрам EIT. Поскольку это только по двум кадрам с интервалом 12 ч, и картинка, и оценки

весьма неточные. К тому же, по какой-то причине в магнитный параметр почти не вошла аркада. Общее ВПЕЧАТЛЕНИЕ такое, что это была эрупция такого же порядка, как и 1 августа.

Следовательно, можно **ОЧЕНЬ УСЛОВНО** принять, что транзитное время ~60 ч, т.е. приход возмущения (УВ) к Земле

10 августа, примерно в 06 UT; форбуш до 2,5-3 %, Dst (при благоприятном B_z) от нескольких десятков до 100 нТл.

The relationships among solar flare impulsiveness, energy release, and ribbon development

[Cole A Tamburri](#), [Maria D Kazachenko](#), [Adam F Kowalski](#)

ApJ 2024

<https://arxiv.org/pdf/2403.02457.pdf>

Kinematical evolution of large-scale EUV waves in the solar corona

G. Mann, A. Warmuth and H. Önel

A&A 675, A129 (2023)

<https://www.aanda.org/articles/aa/pdf/2023/07/aa46378-23.pdf>

Magnetic Twists of Solar Filaments

Jinhan Guo, [Yiwei Ni](#), [Ye Qiu](#), [Ze Zhong](#), [Yang Guo](#), [Pengfei Chen](#)

ApJ 2021

<https://arxiv.org/pdf/2107.02580.pdf>

Magnetic Flux Ropes in the Solar Corona: Structure and Evolution toward Eruption

Review

[Rui Liu](#)

Research in Astron. Astrophys (RAA) 2020

<https://arxiv.org/pdf/2007.11363.pdf> File

Quasiperiodic Velocity Fluctuations in Eruptive Prominences Observed by AIA/SDO

Tsvetan [Tsvetkov](#) and Nikola Petrov

2020 ApJ 893 40

sci-hub.si/10.3847/1538-4357/ab7db6

Global Energetics of Solar Flares. IX. Refined Magnetic Modeling

Markus J. [Aschwanden](#)

ApJ 2019

http://www.lmsal.com/~aschwand/eprints/2019_global9.pdf

The SDO/EVE Solar Irradiance Coronal Dimming Index Catalog. I. Methods and Algorithms

James Paul [Mason](#)^{1,2}, Raphael Attie¹, Charles N. Arge¹, Barbara Thompson¹, and Thomas N. Woods²

2019 ApJS 244 13

<https://iopscience.iop.org/article/10.3847/1538-4365/ab380e/pdf>

Magnetic Helicity Estimations in Models and Observations of the Solar Magnetic Field. Part III: Twist Number Method

Y. [Guo](#), E. Pariat, G. Valori, S. Anfinogenov, F. Chen, M. Georgoulis, Y. Liu, K. Moraitis, J. K. Thalmann, S. Yang

A&A 2017

http://www.issibern.ch/teams/magnetichelicity/guoyang_20170326.pdf

Mass Loss Evolution in the EUV Low Corona from SDO/AIA Data

Fernando M. [López](#), Hebe Cremades, Federico A. Nuevo, [Laura A. Balmaceda](#), [Alberto A. Vásquez](#)

Solar Phys. 2016

<https://arxiv.org/pdf/1611.00849v1.pdf>

MULTI-SPACECRAFT OBSERVATIONS AND TRANSPORT MODELING OF ENERGETIC ELECTRONS FOR A SERIES OF SOLAR PARTICLE EVENTS IN AUGUST 2010

W. [Dröge](#)¹, Y. Y. Kartavykh^{1,2}, N. Dresing³, and A. Klassen

2016 ApJ 826 134

Relationship of EUV Irradiance Coronal Dimming Slope and Depth to Coronal Mass Ejection Speed and Mass

James Paul Mason, Thomas N. Woods, David F. Webb, [Barbara J. Thompson](#), [Robin C. Colaninno](#), [Angelos Vourlidas](#)

ApJ 2016

<http://arxiv.org/pdf/1607.05284v1.pdf>

CHALLENGING SOME CONTEMPORARY VIEWS OF CORONAL MASS EJECTIONS. I. THE CASE FOR BLAST WAVES

T. A. [Howard](#)¹ and V. J. Pizzo

2016 ApJ 824 92 **File**

The Relation between Solar Eruption Topologies and Observed Flare Features II: Dynamical Evolution

A. [Savcheva](#), E. Pariat, S. McKillop, P. McCauley, E. Hanson, Y. Su, & E. DeLuca

2015

http://www.pergamentum.com/eprint/savcheva_et al_ribbonsA_II.pdf

The Relation between Solar Eruption Topologies and Observed Flare Features I: Flare Ribbons

A. [Savcheva](#), E. Pariat, S. McKillop, [P. McCauley](#), [E. Hanson](#), [Y. Su](#), [E. Werner](#), [E. E. DeLuca](#)

2015

<http://arxiv.org/pdf/1506.03452v1.pdf>

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole [Muh](#)r, Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., 2014

<http://arxiv.org/pdf/1408.2513v1.pdf>

Testing the Asymmetric Cone Model for Halo CMEs Using STEREO/SECCHI Coronagraphic Observations

Janusz [Niewicz](#), , Grzegorz Michalek

Advances in Space Research, 2014

Mechanisms and Observations of Coronal Dimming for the 2010 August 7 Event

J. P. [Mason](#), T. N. Woods, A. Caspi, B. J. Thompson, R. A. Hock

2014

<http://arxiv.org/pdf/1404.1364v1.pdf>

Statistical survey of widely spread out solar electron events observed with STEREO and ACE with special attention to anisotropies

N. [Dresing](#), R. Gomez-Herrero, B. Heber, A. Klassen, O. Malandraki , W. Dröge , and Y. Kartavykh
E-print, July 2014; A&A, Volume 567, A27, July 2014; **File**

Solar Energetic Particle Events during the Rise Phases of Solar Cycles 23 and 24

R. [Chandra](#), N. Gopalswamy, P. Mäkelä, H. Xie, S. Yashiro, S. Akiyama, W. Uddin, A.K. Srivastava, N.C. Joshi, R. Jain, A.K. Awasthi, P.K. Manoharan, K. Mahalakshmi, V.C. Dwivedi, D.P. Choudhary, N.V. Nitta

Advances in Space Research, 2013, **File**

FLARE RIBBON ENERGETICS IN THE EARLY PHASE OF AN SDO FLARE

L. [Fletcher](#)¹, I. G. Hannah¹, H. S. Hudson^{1,3}, and D. E. Innes

2013 ApJ 771 104

Height of Shock Formation in the Solar Corona Inferred from Observations of Type II Radio Bursts and Coronal Mass Ejections

N. [Gopalswamy](#), H. Xie, P. Makela, S. Yashiro, S. Akiyama, W. Uddin., A. K. Srivastava, N. C. Joshi, R. Chandra, P. K. Manoharan, K. Mahalakshmi, V. C. Dwivedi, R. Jain and A. K. Awasthi, N. V. Nitta, M. J. Aschwanden, D. P. Choudhary
E-print, Jan 2013; Adv. Space Res.

Comparisons of CME Morphological Characteristics Derived from Five 3D Reconstruction Methods

L. [Feng](#)^{1, 2}, B. Inhester² and M. Mierla
Solar Phys., January 2013, Volume 282, Issue 1, pp 221-238; [File](#)

SLOW RISE AND PARTIAL ERUPTION OF A DOUBLE-DECKER FILAMENT. I. OBSERVATIONS AND INTERPRETATION

Rui [Liu](#)^{1,2}, Bernhard Kliem^{3,4}, Tibor Török⁵, Chang Liu², Viacheslav S. Titov⁵, Roberto Lionello⁵, Jon A. Linker⁵, and Haimin Wang
2012 ApJ 756 59

MORPHOLOGICAL EVOLUTION OF A THREE-DIMENSIONAL CORONAL MASS EJECTION CLOUD RECONSTRUCTED FROM THREE VIEWPOINTS

L. [Feng](#)^{1,2}, B. Inhester², Y. Wei², W. Q. Gan¹, T. L. Zhang³, and M. Y. Wang
2012 ApJ 751 18, [File](#)

Filament Eruption in NOAA 11093 Leading to a Two-Ribbon M1.0 Class Flare and CME

P. [Vemareddy](#), R. A. Maurya and A. Ambastha
Solar Physics, Volume 277, Number 2, 337-354, 2012

OBSERVATIONS OF POST-FLARE PLASMA DYNAMICS DURING AN M1.0 FLARE IN AR11093 BY THE SOLAR DYNAMICS OBSERVATORY/ATMOSPHERIC IMAGING ASSEMBLY*

Abhishek K. [Srivastava](#)^{1,2} and K. Murawski
2012 ApJ 744 173

"SDO EVE spectroscopy of solar flares,"

Phil [Chamberlin](#) and Tom Woods.

RHESSI Science Nugget, 2010

See http://sprg.ssl.berkeley.edu/~tohan/wiki/index.php/SDO_EVE_Flare_Observation

8 Aug

Magnetic helicity and energy budgets of jet events from an emerging solar active region

[A. Nindos](#), [S. Patsourakos](#), [K. Moraitis](#), [V. Archontis](#), [E. Liokati](#), [M. K. Georgoulis](#), [A. A. Norton](#)

A&A 2024

<https://arxiv.org/pdf/2409.00931>

9 Aug

Kinematical evolution of large-scale EUV waves in the solar corona

G. [Mann](#), A. Warmuth and H. Önel

A&A 675, A129 (2023)

<https://www.aanda.org/articles/aa/pdf/2023/07/aa46378-23.pdf>

9-11 Aug

Automatic detection and tracking of coronal bright points in SDO/AIA images

I. [Dorotovič](#)^{1,2}, A. Coelho², J. Rybák³, A. Mora², R. Ribeiro², W. Kusa⁴, R. Pires²
Sun and Geosphere, 2018; 13/2: 129 - 133

http://newserver.stil.bas.bg/SUNGEO/00SGArhiv/SG_v13_No2_2018-pp-129-133.pdf

11 Aug

Magnetic Untwisting in Solar Jets that Go into the Outer Corona in Polar Coronal Holes

Ronald L. **Moore**, Alphonse C. Sterling, David A. Falconer

ApJ 2015

<http://arxiv.org/ftp/arxiv/papers/1504/1504.03700.pdf>

Derivations and Observations of Prominence Bulk Motions and Mass

Review

T.A. **Kucera**

in Solar Prominences, eds. J.-C. Vial and O. Engvold, Springer, p. 79, 2015

<http://arxiv.org/pdf/1502.00653v1.pdf>

14 Aug: around 10:05 UT, magnetic fields connecting sunspot 1093 and 1099 erupted, producing a two-sunspot solar flare (C4-class, N11W53) and hurling a huge blob of plasma into space. Type II burst; **хорошая эрупция и корональная волна**
Протоны E10~10. See Events.

Characterizing High-Energy Solar Proton Events with Energies Below and Above 100 MeV.

Ameri, D., Valtonen, E., Al-Sawad, A. et al.

Sol Phys 299, 133 (2024).

<https://doi.org/10.1007/s11207-024-02378-9>

<https://link.springer.com/content/pdf/10.1007/s11207-024-02378-9.pdf>

Numerical Simulation of Equal Ratio Relations for the Peak Intensities of >10 MeV Energetic Protons

Yushui **Zhong**^{1,2}, Yang Wang^{1,2,3}, and Gang Qin^{1,2,3}

2024 ApJ 969 135

<https://iopscience.iop.org/article/10.3847/1538-4357/ad5721/pdf>

Kinematical evolution of large-scale EUV waves in the solar corona

G. **Mann**, A. Warmuth and H. Önel

A&A 675, A129 (2023)

<https://www.aanda.org/articles/aa/pdf/2023/07/aa46378-23.pdf>

Automated detection of coronal MASS ejecta origins for space weather Applications (ALMANAC)

[Thomas Williams](#), [Huw Morgan](#)

Space Weather 2022

<https://arxiv.org/pdf/2211.04405.pdf>

A new method to determine solar energetic particle anisotropies and their associated uncertainties demonstrated for STEREO/SEPT

M. **Brüderl**¹, L. Berger¹, B. Heber¹, V. Heidrich-Meisner¹, A. Klassen¹, A. Kollhoff¹, P. Kühl¹, R. D. Strauss², R. Wimmer-Schweingruber¹ and N. Dresing^{1,3}

A&A 663, A89 (2022)

<https://www.aanda.org/articles/aa/pdf/2022/07/aa42761-21.pdf>

An Observational Revisit of Stationary Type IV Solar Radio Bursts

[Maoshui Ly](#), [Yao Chen](#), [V. Vasanth](#), [Mohd Shazwan Radzi](#), [Zamri Zainal Abidin](#) & [Christian Monstein](#)
Solar Physics volume 296, Article number: 38 (2021)

<https://link.springer.com/content/pdf/10.1007/s11207-021-01769-6.pdf>

A Fast, Simple, Robust Algorithm for Coronal Temperature Reconstruction

[Joseph Plowman](#), [Amir Caspi](#)
ApJ 2020
<https://arxiv.org/pdf/2006.06828.pdf>

Solar Energetic Particles Observed by the STEREO Spacecraft During Solar Cycle 24

I. G. [Richardson](#)

Presentation at the Fleishman's Webinar, 22 May 2019

http://www.ioffe.ru/LEA/SF_AR/files/Richardson2019.pdf

DERIVATION OF THE MAGNETIC FIELD IN A CORONAL MASS EJECTION CORE VIA MULTI-FREQUENCY RADIO IMAGING

Samuel D. [Tun](#)^{1,3} and A. Vourlidas²

2013 *ApJ* **766** 130

sci-hub.se/10.1088/0004-637x/766/2/130

Two Types of Long-duration Quasi-static Evolution of Solar Filaments

[Chen Xing](#), [Haochuan Li](#), [Bei Jiang](#), [Xin Cheng](#), [M. D. Ding](#)

ApJL 2018

<https://arxiv.org/pdf/1804.01232.pdf>

A time dependent relation between EUV solar flare light-curves from lines with differing formation temperatures

Edward M.B. [Thiemann](#), Francis G. Eparvier and Thomas N. Woods

J. Space Weather Space Clim. **2017**, 7, A36

<https://www.swsc-journal.org/articles/swsc/pdf/2017/01/swsc170050.pdf>

A Statistical Analysis of the Solar Phenomena Associated with Global EUV Waves

(Review)

David M. [Long](#), [Pearse Murphy](#), [Georgina Graham](#), [Eoin P. Carley](#), [David Pérez-Suárez](#)

Solar Phys. 2017

<https://arxiv.org/pdf/1711.02530.pdf>

Динамика нагрева плазмы и энергетических распределений ускоренных электронов во время солнечных вспышек по данным рентгеновского и ультрафиолетового излучения

[Моторина](#) Г.Г.

Диссертация. ГАО. 2017

http://www.gaoran.ru/russian/diss/Motorina_diss.pdf

<https://arxiv.org/ftp/arxiv/papers/1710/1710.10652.pdf>

Comparison of the CME-shock Acceleration of Three Widespread SEP Events during Solar Cycle 24†

H. [Xie](#), P. Mäkelä, O. C. St. Cyr, N. Gopalswamy

JGR 2017 DOI: 10.1002/2017JA024218

<http://onlinelibrary.wiley.com/doi/10.1002/2017JA024218/pdf>

The Solar Energetic Particle Event of 2010 August 14: Connectivity with the Solar Source Inferred from Multiple Spacecraft Observations and Modeling

D. [Lario](#)¹, R.-Y. Kwon^{1,2}, I. G. Richardson^{3,4}, N. E. Raouafi¹, B. J. Thompson³, T. T. von Rosenvinge³, M. L. Mays³, P. A. Mäkelä^{3,5}, H. Xie^{3,5}, H. M. Bain⁶, M. Zhang⁷, L. Zhao⁷, H. V. Cane⁸, A. Papaioannou⁹, N. Thakur^{3,5}, and P. Riley¹⁰

2017 ApJ 838 51 File

<http://iopscience.iop.org/sci-hub.cc/0004-637X/838/1/51/>

<http://sci-hub.cc/10.3847/1538-4357/aa63e4>

A time dependent relation between EUV solar flare light-curves from lines with differing formation temperatures

Edward M.B. **Thiemann**, Francis G. Eparvier, Thomas N. Woods

Journal of Space Weather and Space Climate **2017**

<https://arxiv.org/pdf/1703.02995.pdf>

Solar signatures and eruption mechanism of the 2010 August 14 CME

Elke **D'Huys**, Daniel B. Seaton, Anik De Groof, David Berghmans, Stefaan Poedts

Journal of Space Weather and Space Climate **2017**

<https://arxiv.org/pdf/1701.08814v1.pdf>

MULTI-SPACECRAFT OBSERVATIONS AND TRANSPORT MODELING OF ENERGETIC ELECTRONS FOR A SERIES OF SOLAR PARTICLE EVENTS IN AUGUST 2010

W. **Dröge**¹, Y. Y. Kartavykh^{1,2}, N. Dresing³, and A. Klassen

2016 ApJ 826 134

Study of Solar Energetic Particle Associations with Coronal Extreme-ultraviolet Waves

Jinhye **Park**¹, D. E. Innes², R. Bucik^{2,3}, Y.-J. Moon^{1,4}, and S. W. Kahler

2015 ApJ 808 3 **File**

https://www.academia.edu/35052617/STUDY_OF_SOLAR_ENERGETIC_PARTICLE_ASSOCIATIONS_WITH_CORONAL_EXTREME-ULTRAVIOLET_WAVES?email_work_card=view-paper

Multi-thermal representation of the kappa-distribution of solar flare electrons and application to simultaneous X-ray and EUV observations

Marina **Battaglia**, Galina Motorina, Eduard P. Kontar

ApJ **2015**

<http://arxiv.org/pdf/1511.01328v1.pdf>

Differential Emission Measure and Electron Distribution Function Reconstructed from RHESSI and SDO Observations

G.G. **Motorina**, E.P. Kontar

2015

<http://arxiv.org/pdf/1510.06755v1.pdf>

Large-scale Globally Propagating Coronal Waves **Review**

Warmuth, Alexander

Living Reviews in Solar Physics, PUB.NO. IrsP-2015-3, **2015**

<http://solarphysics.livingreviews.org/Articles/IrsP-2015-3/> **File**

Large Solar Energetic Particle Events Associated with Filament Eruptions Outside of Active Regions

N. **Gopalswamy**, P. Makela, S. Akiyama, S. Yashiro, H. Xie, N. Thakur, S. W. Kahler

ApJ **2015**

<http://arxiv.org/ftp/arxiv/papers/1504/1504.00709.pdf>

Study of Solar Energetic Particle Associations with Coronal Extreme-ultraviolet Waves

Jinhye **Park**¹, D. E. Innes², R. Bucik^{2,3}, Y.-J. Moon^{1,4}, and S. W. Kahler

2015 ApJ 808 3

See presentation

https://community.apan.org/cfs-file.ashx/_key/telligent-evolution-components-attachments/13-7784-00-00-00-14-46-02/Park.pdf

Solar Radio Bursts with Spectral Fine Structures in Preflares

Yin **Zhang**, Baolin Tan, Marian Karlický, Hana Mészárosóvá, Jing Huang, Chengming Tan, Paulo Simões

2014

<http://arxiv.org/pdf/1411.4766v1.pdf>

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole **Muhr**, Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., **2014**

<http://arxiv.org/pdf/1408.2513v1.pdf>

Statistical survey of widely spread out solar electron events observed with STEREO and ACE with special attention to anisotropies

N. **Dresing**, R. Gomez-Herrero, B. Heber, A. Klassen, O. Malandraki, W. Dröge, and Y. Kartavykh
E-print, July 2014; A&A, Volume 567, A27, July **2014**; **File**

Advances in Observing Various Coronal EUV Waves in the SDO Era and Their Seismological Applications (Invited Review)

Wei **Liu**, Leon Ofman

E-print, April **2014**; Solar Physics (Topical Issue, "Exploring the Network of SDO Science")

http://sun.stanford.edu/~weiliu/research/publications/2014/2014SolPhy_Liu_Ofman_SDO-EUV-wave-review.pdf

Electron Distribution Functions in Solar Flares from combined X-ray and EUV Observations

Marina **Battaglia** & Eduard P. Kontar

E-print, Oct **2013**, <http://arxiv.org/pdf/1310.3930v1.pdf>; ApJ

Improved methods for determining the kinematics of coronal mass ejections and coronal waves

J. P. **Byrne**, D. M. Long, P. T. Gallagher, D. S. Bloomfield, S. A. Maloney, R. T. J. McAteer, H. Morgan, S. R. Habbal

E-print, July **2013**; A&A

DERIVATION OF THE MAGNETIC FIELD IN A CORONAL MASS EJECTION CORE VIA MULTI-FREQUENCY RADIO IMAGING

Samuel D. **Tun**^{1,3} and A. Vourlidas

2013 ApJ 766 130

Energetic Particle and Other Space Weather Events of Solar Cycle 24

N. **Gopalswamy**

E-print, Jan 2013, **File**; In Space Weather: The space Radiation Environment, Ed. Q. Hu, G. Li, G. P. Zank, X. Ao, O. Verkhoglyadova, J. H. Adama, AIP Conf Proc. 1500, pp. 14-19, **2012**

On the Nature and Genesis of EUV Waves: A Synthesis of Observations from SOHO, STEREO, SDO, and Hinode **Review**

Spiros **Patsourakos**¹ & Angelos Vourlidas

arXiv-print, **2012**, **File**; Solar Physics, Special Issue "The Sun in 360", 2012,

The Wave Properties of Coronal Bright Fronts Observed Using SDO/AIA

Long, David M., DeLuca, Edward E., Gallagher, Peter T.

E-print, Sept **2011**, ApJL

15 Aug: ~08 UT эрупция NE волокна

16-21 Aug

The Evolution of Barbs of a Polar Crown Filament Observed by SDO

Leping **Li**, Jun Zhang

Solar Physics, January **2013**, Volume 282, Issue 1, pp 147-174

18 Aug: ~05:30 C4-class solar LDE flare из того же комплекса 1093 and 1099; hurled a bright coronal mass ejection (CME) over the sun's western limb: Type II burst
Хорошая **корональная волна** на STEREO-A.
Протоны E10<10 sp.u.

Connecting theory of plasmoid-modulated reconnection to observations of solar flares

[Andrew Hillier](#), [Shinsuke Takasao](#)

Experimental Results (2022), 3, e26, 1–10

<https://arxiv.org/ftp/arxiv/papers/2301/2301.03239.pdf>

Twin extreme ultraviolet waves in the solar corona

Ruisheng [Zheng](#), [Bing Wang](#), [Liang Zhang](#), [Yao Chen](#), [Robertus Erdelyi](#)

ApJ 2022

<https://arxiv.org/pdf/2203.15513.pdf>

Formation of Coronal Mass Ejection and Post-eruption Flow of Solar Wind on 2010 August 18 event

Vladimir [Slemzin](#), [Farid Goryaev](#), [Denis Rodkin](#)

ApJ 2022

<https://arxiv.org/pdf/2203.06976.pdf>

Three-dimensional Reconstruction of Coronal Mass Ejections by CORAR Technique through Different Stereoscopic Angle of STEREO Twin Spacecraft

[Shaoyu Lyu](#), [Yuming Wang](#), [Xiaolei Li](#), [Jingnan Guo](#), [Chuanbing Wang](#), [Quanhao Zhang](#)

2021

<https://arxiv.org/ftp/arxiv/papers/2101/2101.03276.pdf>

Observations of Ray-Like Structures in Large-Scale Coronal Dimmings Produced by Limb CMEs

F. [Goryaev](#), [V. Slemzin](#), [D. Rodkin](#)

Solar Phys. 2020

<https://arxiv.org/pdf/2003.11326.pdf>

Solar Energetic Particles Observed by the STEREO Spacecraft During Solar Cycle 24

I. G. [Richardson](#)

Presentation at the Fleishman's Webinar, 22 May 2019

http://www.ioffe.ru/LEA/SF_AR/files/Richardson2019.pdf

Evaluation of standoff distance method to determine the coronal magnetic field using CME-driven shocks

K. [Suresh](#), A. Shanmugaraju, M. Syed Ibrahim

Astrophysics and Space Science November 2016, 361:360

https://link.springer.com/article/10.1007/s10509-016-2944-4?wt_mc=alerts.TOCjournals

OBSERVATIONAL EVIDENCE OF PARTICLE ACCELERATION ASSOCIATED WITH PLASMROID MOTIONS

Shinsuke [Takasao](#)¹, Ayumi Asai^{2,3}, Hiroaki Isobe^{3,4}, and Kazunari Shibata

2016 ApJ 828 103

<https://arxiv.org/pdf/1611.00108v1.pdf>

MULTI-SPACECRAFT OBSERVATIONS AND TRANSPORT MODELING OF ENERGETIC ELECTRONS FOR A SERIES OF SOLAR PARTICLE EVENTS IN AUGUST 2010

W. [Dröge](#)¹, Y. Y. Kartavykh^{1,2}, N. Dresing³, and A. Klassen

2016 ApJ 826 134

Review on Current Sheets in CME Development: Theories and Observations

Jun **Lin**, Nicholas A. Murphy, Chengcai Shen, John C. Raymond, Katharine K. Reeves, Jiayong Zhong, Ning Wu, Yan Li
Space Science Reviews Volume 194, Issue 1, pp 237-302 Nov 2015 **File**

Study of Solar Energetic Particle Associations with Coronal Extreme-ultraviolet Waves

Jinhye **Park**¹, D. E. Innes², R. Bucik^{2,3}, Y.-J. Moon^{1,4}, and S. W. Kahler
2015 ApJ 808 3

See presentation

https://community.apan.org/cfs-file.ashx/_key/telligent-evolution-components-attachments/13-7784-00-00-00-14-46-02/Park.pdf

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Solar Phys., 2014

<http://arxiv.org/pdf/1408.2513v1.pdf>

Statistical survey of widely spread out solar electron events observed with STEREO and ACE with special attention to anisotropies

N. **Dresing**, R. Gomez-Herrero, B. Heber, A. Klassen, O. Malandraki, W. Dröge, and Y. Kartavykh
E-print, July 2014; A&A, Volume 567, A27, July 2014; **File**

Interacting CMEs and their associated flare and SEP activities

A. **Shanmugaraju**, S. Prasanna Subramanian

2014

<http://arxiv.org/pdf/1405.6316v1.pdf>

Large Proton Anisotropies in the 18 August 2010 Solar Particle Event

R. A. **Leske**, C. M. S. Cohen, R. A. Mewaldt, E. R. Christian, A. C. Cummings, A. W. Labrador, E. C. Stone, M. E. Wiedenbeck, T. T. von Rosenvinge

Solar Physics, November 2012, Volume 281, Issue 1, pp 301-318

SIMULTANEOUS OBSERVATION OF RECONNECTION INFLOW AND OUTFLOW ASSOCIATED WITH THE 2010 AUGUST 18 SOLAR FLARE

Shinsuke **Takasao**^{1,2}, Ayumi Asai³, Hiroaki Isobe³ and Kazunari Shibata

2012 ApJ 745 L6

20 Aug

Observations and Implications of Large-Amplitude Longitudinal Oscillations in a Solar Filament

M. **Luna**, K. Knizhnik, K. Muglach, J. Karpen, H. Gilbert, T.A. Kucera, V. Uritsky

ApJ, 2014

<http://arxiv.org/pdf/1403.0381v1.pdf>

Rapid Formation and Disappearance of a Filament Barb

Anand D. **Joshi**, Nandita Srivastava, Shibu K. Mathew, Sara F. Martin

Solar Physics, November 2013, Volume 288, Issue 1, pp 191-203

20-21 Aug

Formation of Coronal Mass Ejection and Post-eruption Flow of Solar Wind on 2010 August 18 event

Vladimir **Slemzin**, [Farid Goryaev](#), [Denis Rodkin](#)

ApJ 2022
<https://arxiv.org/pdf/2203.06976.pdf>

21 Aug

How Rotating Solar Atmospheric Jets Become Kelvin--Helmholtz Unstable

Ivan [Zhelyazkov](#), [Ramesh Chandra](#), [Reetika Joshi](#)

Frontiers (of Physics) 2019

<https://arxiv.org/pdf/1905.10789.pdf>

Kelvin--Helmholtz instability in a twisting solar polar coronal hole jet observed by SDO/AIA

I. [Zhelyazkov](#), T. V. Zaqarashvili, L. Ofman, R.Chandra

2017 *Advances in Space Research*

<https://arxiv.org/pdf/1706.03703.pdf>

Kinematics and Fine Structure of an Unwinding Polar Jet Observed by the SDO/AIA

[Shen](#), Yuandeng; Liu, Yu; Su, Jiangtao; Ibrahim, Ahmed

E-print, July 2013; ApJL, 2011 ApJ 735 L43

21-28 Aug

Quantifying the Consistency and Characterizing the Confidence of Coronal Holes Detected by Active Contours without Edges (ACWE)

Jeremy A. [Grajeda](#), [Laura E. Boucheron](#), [Michael S. Kirk](#), [Andrew Leisner](#), [C. Nick Arge](#)

2023

<https://arxiv.org/pdf/2308.05679.pdf>

22 Aug

TRANSIENT BRIGHTENINGS ASSOCIATED WITH FLUX CANCELLATION ALONG A FILAMENT CHANNEL

Y.-M. [Wang](#)¹ and K. Muglach

2013 ApJ 763 97

23 Aug

OBSERVATIONS OF SOLAR ENERGETIC PARTICLES FROM 3He-RICH EVENTS OVER A WIDE RANGE OF HELIOGRAPHIC LONGITUDE

M. E. [Wiedenbeck](#)¹, G. M. Mason², C. M. S. Cohen³, N. V. Nitta⁴, R. Gómez-Herrero^{5,6}, and D. K Haggerty

2013 ApJ 762 54

27 Aug

THE HEIGHT EVOLUTION OF THE "TRUE" CORONAL MASS EJECTION MASS DERIVED FROM STEREO COR1 AND COR2 OBSERVATIONS

B. M. [Bein](#)¹, M. Temmer¹, A. Vourlidas², A. M. Veronig¹, and D. Utz

2013 ApJ 768 31; File

AN AUTOMATIC DETECTION METHOD FOR EXTREME-ULTRAVIOLET DIMMINGS ASSOCIATED WITH SMALL-SCALE ERUPTION

N. [Alipour](#)¹, H. Safari¹ and D. E. Innes

2012 ApJ 746 12, File

28 Aug

Onset of the Magnetic Explosion in Solar Polar Coronal X-Ray Jets

Ronald L. [Moore](#)^{1,2}, Alphonse C. Sterling¹, and Navdeep K. Panesar¹

2018 ApJ 859 3

<http://sci-hub.tw/http://iopscience.iop.org/0004-637X/859/1/3/>

Small-scale filament eruptions as the driver of solar coronal hole X-ray jets

Alphonse C. [Sterling](#), Ronald L. Moore, David A. Falconer, Mitzi Adams

2015, Nature, 523, 437-440

<https://arxiv.org/pdf/1705.03373.pdf>

29 Aug

Evolution of the critical torus instability height and CME likelihood in solar active regions

[Alexander W. James](#), [David R. Williams](#), [Jennifer O'Kane](#)

A&A 2022

<https://arxiv.org/pdf/2206.10639.pdf>

Three-Year Global Survey of Coronal Null Points from Potential-Field-Source-Surface (PFSS) Modeling and Solar Dynamics Observatory (SDO) Observations

Michael [Freed](#), Dana Longcope, David McKenzie

Solar Physics, 2014

<http://arxiv.org/pdf/1410.4493v1.pdf>

30 Aug

A Deep Learning Approach to Generating Photospheric Vector Magnetograms of Solar Active Regions for SOHO/MDI Using SDO/HMI and BBSO Data

[Haodi Jiang](#), [Qin Li](#), [Zhihang Hu](#), [Nian Liu](#), [Yasser Abdullallah](#), [Ju Jing](#), [Genwei Zhang](#), [Yan Xu](#), [Wynne Hsu](#), [Jason T. L. Wang](#), [Haimin Wang](#)

ApJ 2022

<https://arxiv.org/pdf/2211.02278.pdf>

30 Aug-4 Sep

Analysis of a long-duration AR throughout five solar rotations: Magnetic properties and ejective events

Francisco A. [Iglesias](#), [Hebe Cremades](#), [Luciano A. Merenda](#), [Cristina H. Mandrini](#), [Fernando M. Lopez](#), [Marcelo C. Lopez Fuentes](#), [Ignacio Ugarte-Urra](#)

Advances in Space Research 2019

<https://arxiv.org/pdf/1911.01265.pdf>

31 Aug

Three-dimensional analyses of an aspherical coronal mass ejection and its driven shock

[Beili Ying](#), [Li Feng](#), [Bernd Inhester](#), [Marilena Mierla](#), [Weiqun Gan](#), [Lei Lu](#), [Shuting Li](#)

A&A 2022

<https://arxiv.org/pdf/2201.08019.pdf>

Statistical survey of widely spread out solar electron events observed with STEREO and ACE with special attention to anisotropies

N. [Dresing](#), R. Gomez-Herrero, B. Heber, A. Klassen, O. Malandraki, W. Dröge, and Y. Kartavykh
E-print, July 2014; A&A, Volume 567, A27, July 2014; File

Full halo coronal mass ejections: Do we need to correct the projection effect in terms of velocity?†

Chenglong [Shen](#)*, Yuming Wang, Zonghao Pan, Min Zhang, Pinzhong Ye, S. Wang
Journal of Geophysical Research: v. 118, Issue 11, pages 6858–6865, 2013, File

OBSERVATIONS OF SOLAR ENERGETIC PARTICLES FROM 3He-RICH EVENTS OVER A WIDE RANGE OF HELIOGRAPHIC LONGITUDE

M. E. [Wiedenbeck](#)¹, G. M. Mason², C. M. S. Cohen³, N. V. Nitta⁴, R. Gómez-Herrero^{5,6}, and D. K. Haggerty
2013 ApJ 762 54

Stereoscopic Analysis of the 31 August 2007 Prominence Eruption and Coronal Mass Ejection

P. C. [Liewer](#), O. Panasenco, J. R. Hall
Solar Physics, January 2013, Volume 282, Issue 1, pp 201-220

1 Sept

The Sun's Non-Potential Corona over Solar Cycle 24

[Anthony R. Yeates](#)
Solar Phys. 2024
<https://arxiv.org/pdf/2405.14322>

Association of 3He-Rich Solar Energetic Particles with Large-Scale Coronal Waves

Radoslav [Bucik](#), Davina E. Innes, Glenn M. Mason, Mark E. Wiedenbeck
2016
<http://arxiv.org/pdf/1609.05346v1.pdf>

2 Sep

3He-Rich Solar Energetic Particle Events with No Measurable 4He Intensity Increases

George C. [Ho](#), Glenn M. Mason, Robert C. Allen
[Solar Physics](#) February 2019, 294:33
<https://link.springer.com/content/pdf/10.1007%2Fs11207-019-1420-z.pdf>
sci-hub.tw/10.1007/s11207-019-1420-z

3 Sept

Two Types of Long-duration Quasi-static Evolution of Solar Filaments

[Chen Xing](#), [Haochuan Li](#), [Bei Jiang](#), [Xin Cheng](#), [M. D. Ding](#)
ApJL 2018
<https://arxiv.org/pdf/1804.01232.pdf>

CONTRACTING AND ERUPTING COMPONENTS OF SIGMOIDAL ACTIVE REGIONS

Rui [Liu](#)^{1,2}, Chang Liu², Tibor Török³, Yuming Wang¹, and Haimin Wang
2012 ApJ 757 150

03-07 Sep

Quantifying the Consistency and Characterizing the Confidence of Coronal Holes Detected by Active Contours without Edges (ACWE)

Jeremy A. [Grajeda](#), [Laura E. Boucheron](#), [Michael S. Kirk](#), [Andrew Leisner](#), [C. Nick Arge](#)
2023
<https://arxiv.org/pdf/2308.05679.pdf>

4 Sept

Multi-spacecraft Observations of the Coronal and Interplanetary Evolution of a Solar Eruption Associated with Two Active Regions

Huidong [Hu](#), Ying D. Liu, Rui Wang, Xiaowei Zhao, Bei Zhu, Zhongwei Yang
ApJ 2017
<https://arxiv.org/pdf/1704.05496.pdf>

Association of 3He-Rich Solar Energetic Particles with Large-Scale Coronal Waves

Radoslav [Bucik](#), Davina E. Innes, Glenn M. Mason, Mark E. Wiedenbeck

2016

<http://arxiv.org/pdf/1609.05346v1.pdf>

5-17 Sep

Analysis of a long-duration AR throughout five solar rotations: Magnetic properties and ejective events

Francisco A. [Iglesias](#), [Hebe Cremades](#), [Luciano A. Merenda](#), [Cristina H. Mandrini](#), [Fernando M. Lopez](#), [Marcelo C. Lopez Fuentes](#), [Ignacio Ugarte-Urra](#)

Advances in Space Research

2019

<https://arxiv.org/pdf/1911.01265.pdf>

6 Sept: ~15 UT – хороший пример импульсной C1 вспышки без эрупции петель над ней и без CME. См. фильм SDO в Chains.

7 Sept: ~15 UT – хорошая эрупция NE волокна (видимо, возвратная) с небольшим CME. См. фильм SDO в Chains. **304 A.**

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole [Muhr](#), Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., 2014

<http://arxiv.org/pdf/1408.2513v1.pdf>

8 Sept: 23:30, W-limb. During the late hours of Sept. 8th, just as a sunspot 1105 was turning away from Earth, the active region erupted, producing a long-duration C3-class solar flare and a fantastic prominence. The eruption also hurled a bright coronal mass ejection into space. Хорошая корональная волна на STEREO-A. См. Chains.

Coronal Quasi-periodic Fast-mode Propagating Wave Trains

Review

[Yuandeng Shen](#), [Xinping Zhou](#), [Yadan Duan](#), [Zehao Tang](#), [Chengrui Zhou](#), [Song Tan](#)

Solar Phys. 2022

<https://arxiv.org/pdf/2112.14959.pdf> File

Onset of the Magnetic Explosion in Solar Polar Coronal X-Ray Jets

Ronald L. [Moore](#)^{1,2}, Alphonse C. Sterling¹, and Navdeep K. Panesar¹

2018 ApJ 859 3

<http://sci-hub.tw/http://iopscience.iop.org/0004-637X/859/1/3/>

Large-scale Globally Propagating Coronal Waves

Review

[Warmuth](#), Alexander

Living Reviews in Solar Physics, PUB.NO. IrsP-2015-3, 2015

<http://solarphysics.livingreviews.org/Articles/IrsP-2015-3/> File

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole [Muhr](#), Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., 2014

<http://arxiv.org/pdf/1408.2513v1.pdf>

Advances in Observing Various Coronal EUV Waves in the SDO Era and Their Seismological Applications (**Invited Review**)

Wei [Liu](#), Leon Ofman

E-print, April 2014; Solar Physics (Topical Issue, "Exploring the Network of SDO Science")
http://sun.stanford.edu/~weiliu/research/publications/2014/2014SolPhy_Liu_Ofman_SDO-EUV-wave-review.pdf

DUAL TRIGGER OF TRANSVERSE OSCILLATIONS IN A PROMINENCE BY EUV FAST AND SLOW CORONAL WAVES: SDO/AIA AND STEREO/EUVI OBSERVATIONS

S. [Gosain](#)¹ and C. Foullon
2012 ApJ 761 103, **File**

Quasi-periodic Fast-mode Wave Trains Within a Global EUV Wave and Sequential Transverse Oscillations Detected by SDO/AIA

Wei [Liu](#), Leon Ofman, Nariaki V. Nitta, Markus J. Aschwanden, Carolus J. Schrijver, Alan M. Title, Theodore D. Tarbell
E-print, Apr. 2012; Ap. J. 753:52 (17pp), 2012, **File**

Plasma parameters in eruptive prominences from SDO/AIA observations

Kristopher [McGlinchey](#) and Nicolas Labrosse
UKSP Nuggets, 21, March 2012
<http://www.uksolphys.org/?p=4247>

от лимбовой вспышки 8 Sept, 23:30

9 Sept - 00:06 – C3.3 **пересвет** $A=17,5 \cdot 2/312=0,11 \leftarrow 16s$; $8 s \rightarrow L/Rs=0.056$

9 September

Small-scale filament eruptions as the driver of X-ray jets in solar coronal holes

[Sterling](#), Alphonse C.; Moore, Ronald L.; Falconer, David A.; Adams, Mitzi
Nature, Volume 523, Issue 7561, pp. 437-440 (2015)
See http://www.nature.com/nature/journal/v523/n7561/fig_tab/nature14556_SF3.html

Statistical survey of widely spread out solar electron events observed with STEREO and ACE with special attention to anisotropies

N. [Dresing](#), R. Gomez-Herrero, B. Heber, A. Klassen, O. Malandraki, W. Dröge, and Y. Kartavykh
E-print, July 2014; A&A, Volume 567, A27, July 2014; **File**

10-11 Sept: A filament eruption (centered in a large plage area) in the northeast quadrant was associated with a partial halo CME in LASCO images. See Events

Quantitative Comparison of Methods for Predicting the Arrival of Coronal Mass Ejections at Earth based on multi-view imaging†

R. C. [Colaninno](#)*, A. Vourlidas, C. C. Wu
Journal of Geophysical Research: Space Physics, Nov 2013; **File**
<http://arxiv.org/pdf/1310.6680v2.pdf>

11 September

Investigating The Cross-section of Coronal Mass Ejections Through the Study of Non-Radial Flows with STEREO/PLASTIC

N. [Al-Haddad](#), [A. B. Galvin](#), [N. Lugaz](#), [C. J. Farrugia](#), [W. Yu](#)
ApJ 2021
<https://arxiv.org/pdf/2110.10682.pdf>

Dynamics of solar Coronal Mass Ejections: forces that impact their propagation

Nishtha [Sachdeva](#)
Ph.D. **Thesis** 2019

<https://arxiv.org/pdf/1907.12673.pdf>

A STEREO Survey of Magnetic Cloud Coronal Mass Ejections Observed at Earth in 2008-2012

Brian E. **Wood**, Chin-Chun Wu, Ronald P. Lepping, [Teresa Nieves-Chinchilla](#), [Russell A. Howard](#), [Mark G. Linton](#), [Dennis G. Socker](#)

Astrophysical Journal Supplement **2017 File**

<https://arxiv.org/pdf/1701.01682v1.pdf>

11-14 September

CME propagation: Where does the solar wind drag take over?

Nishtha **Sachdeva**, Prasad Subramanian, Robin Colaninno, Angelos Vourlidas

ApJ **2015**

<http://arxiv.org/pdf/1507.05199v1.pdf>

13 September

Apparent Solar Tornado - Like Prominences

Olga **Panasenco**, Sara F. Martin, Marco Velli

E-print, July **2013**, Solar Phys.

14 Sept

Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole **Muhr**, Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., **2014**

<http://arxiv.org/pdf/1408.2513v1.pdf>

Quantitative Comparison of Methods for Predicting the Arrival of Coronal Mass Ejections at Earth based on multi-view imaging†

R. C. **Colaninno***, A. Vourlidas, C. C. Wu

Journal of Geophysical Research: Space Physics, Nov **2013**; **File**

<http://arxiv.org/pdf/1310.6680v2.pdf>

15 Sept: ~12 UT, Эрупция NW волокон с куполом на SDO 304 A.

Coronal mass ejections and their sheath regions in interplanetary space

Review

Emilia **Kilpua**, Hannu E. J. Koskinen & Tuija I. Pulkkinen

Living Reviews in Solar Physics December **2017**, 14:5 **File**

<https://link.springer.com/content/pdf/10.1007%2Fs41116-017-0009-6.pdf>

16 Sept: ~12 UT, Эрупция NW волокон на SDO 304 A.

Three-dimensional MHD modeling of propagating disturbances in fan-like coronal loops

Tongjiang **Wang**, Leon Ofman, and Joseph M. Davila

E-print, Aug **2013**; ApJL

17 September

Solar jets: SDO and IRIS observations in the perspective of new MHD simulations

Review

[Brigitte Schmieder](#)

Frontiers 9:820183. **2022**

doi: 10.3389/fspas.2022.820183

<https://arxiv.org/pdf/2201.11541.pdf>

<https://www.frontiersin.org/articles/10.3389/fspas.2022.820183/full>

Onset of the Magnetic Explosion in Solar Polar Coronal X-Ray Jets

Ronald L. [Moore](#)^{1,2}, Alphonse C. Sterling¹, and Navdeep K. Panesar¹

2018 ApJ 859 3

<http://sci-hub.tw/http://iopscience.iop.org/0004-637X/859/1/3/>

Small-scale filament eruptions as the driver of solar coronal hole X-ray jets

Alphonse C. [Sterling](#), Ronald L. Moore, David A. Falconer, Mitzi Adams

2015, Nature, 523, 437-440

<https://arxiv.org/pdf/1705.03373.pdf>

Multiwavelength study of twenty jets emanating from the periphery of active regions

Sargam M. [Mulay](#), Durgesh Tripathi, Giulio Del Zanna, Helen Mason

A&A 2016

Proper horizontal photospheric flows in a filament channel

B. [Schmieder](#), T. Roudier, N. Mein, P. Mein, J. M. Malherbe and R. Chandra

A&A 564, A104 (2014)

Twisting Solar Coronal Jet launched at the boundary of an active region

B. [Schmieder](#)¹, Y. Guo², F. Moreno-Insertis^{3;4}, G. Aulanier¹, L. Yelles Chaouche^{3;4}, N.

Nishizuka^{5;6}, L. K. Harra⁶, J. K. Thalmann⁷, S. Vargas Domínguez⁸, and Y. Liu⁹

E-print, Sept 2013; A&A

Recurrent coronal jets induced by repetitively accumulated electric currents*

Y. [Guo](#)^{1,2}, P. Démoulin³, B. Schmieder³, M. D. Ding^{1,2}, S. Vargas Domínguez⁴ and Y. Liu

A&A 555, A19 (2013)

17-30 September

Quantifying the Consistency and Characterizing the Confidence of Coronal Holes Detected by Active Contours without Edges (ACWE)

Jeremy A. [Grajeda](#), [Laura E. Boucheron](#), [Michael S. Kirk](#), [Andrew Leisner](#), [C. Nick Arge](#)

2023

<https://arxiv.org/pdf/2308.05679.pdf>

Solar filament eruptions and their physical role in triggering Coronal Mass Ejections

[Schmieder](#) B., Demoulin P., Aulanier G.

Review

E-print, Dec 2012, File; Advances in Space Research, 2013

The Build-up to Eruptive Solar Events Viewed as the Development of Chiral Systems

Sara F. [Martin](#), Olga Panasenco, Mitchell A. Berger, Oddbjorn Engvold, Yong Lin, Alexei A. Pevtsov, Nandita Srivastava

2nd ATST - EAST Workshop in Solar Physics: Magnetic Fields from the Photosphere to the Corona, ASP Conference Series, Vol. 463, p.157, 2012, File

18-19 Sep

Coronal Models and Detection of Open Magnetic Field

[Eleanna Asvestari](#), [Manuela Temmer](#), [Ronald M. Caplan](#), +++

ApJ 2023

<https://arxiv.org/pdf/2311.04024.pdf>

19 Sep

Coronal Hole Detection and Open Magnetic Flux

J. A. [Linker](#), [S. G. Heinemann](#), [M. Temmer](#), [M. J. Owens](#), [R. M. Caplan](#), [C. N. Arge](#), [E. Asvestari](#), [V. Delouille](#), [C. Downs](#), [S. J. Hofmeister](#), [I. C. Jebaraj](#), [M. Madjarska](#), [R. Pinto](#), [J. Pomoell](#), [E. Samara](#), [C. Scolini](#), [B. Vrsnak](#)

ApJ 2021

<https://arxiv.org/pdf/2103.05837.pdf>

20 September

Apparent Solar Tornado - Like Prominences

Olga [Panasenco](#), Sara F. Martin, Marco Velli

E-print, July 2013, Solar Phys.

22 September 04- Восточная прилимбовая эрупция, выброс волокна **304 A**
18 – Эрупция северного волокна

23 September

Simultaneous Observations of Solar Prominence Oscillations Using Two Remote Telescopes

Maciej [Zapiór](#), Pavel Kotrč, Paweł Rudawy, Ramon Oliver

Solar Phys. 2015

24 September

Coronal Cavity Survey: Morphological Clues to Eruptive Magnetic Topologies

B. C. [Forland](#), S. E. Gibson, J. B. Dove, L. A. Rachmeler, Y. Fan

Solar Phys (2013) 288:603–615

25 Sep

Fast Solar Image Classification Using Deep Learning and its Importance for Automation in Solar Physics

John A. [Armstrong](#), [Lyndsay Fletcher](#)

Solar Phys. 2019

<https://arxiv.org/pdf/1905.13575.pdf>

26 сент, 20: небольшая E/центральная эрупция

27 сент, 14 и 18: две заметные E/центральные эрупции

28 September 10: заметная центральная/W эрупция;
15: ещё одна заметная эрупция **W~40-50**;

The Sun's Non-Potential Corona over Solar Cycle 24

[Anthony R. Yeates](#)

Solar Phys. 2024

<https://arxiv.org/pdf/2405.14322>

Mass Flows in a Prominence Spine as Observed in EUV

T. A. [Kucera](#)¹, H. R. Gilbert¹, and J. T. Karpen

2014 ApJ 790 68

29 сент, 08: значительная NE эрупция волокна, E~40-50

Towards a Quantitative Comparison of Magnetic Field Extrapolations and Observed Coronal Loops

[Harry P. Warren](#), [Nicholas A. Crump](#), [Ignacio Ugarte-Urra](#), [Xudong Sun](#), [Markus J. Aschwanden](#), [Thomas Wiegmann](#)
ApJ 2018
<https://arxiv.org/pdf/1805.00281.pdf>

3-30 Oct

Uncertainty Estimates of Solar Wind Prediction using HMI Photospheric Vector and Spatial Standard Deviation Synoptic Maps

Bala [Poduval](#), [Gordon Petrie](#), [Luca Bertello](#)
Solar Phys. 2020
<https://arxiv.org/pdf/2008.06538.pdf>

4 Oct

The SEVAN Worldwide network of particle detectors: 10 years of operation

A. [Chilingarian](#), V. Babayan, T. Karapetyan, B. Mailyan, B. Sargsyan, M. Zazyan
[Advances in Space Research](#), [Volume 61, Issue 10](#), 15 May 2018, Pages 2680-2696
<http://sci-hub.tw/10.1016/j.asr.2018.02.030>

6 Oct: ~04-05 UT, Хорошая эрупция NE волокна на 304 А SDO и STEREO-A,B. Большой CME хорошо виден на обоих STEREO; изображение EIT 304 А испорчено; См. **Events по двум кадрам.**
?Источник бури 11-ого?

Study of Interplanetary and Geomagnetic Response of Filament Associated CMEs

Kunjai [Dave](#), [Wageesh Mishra](#), [Nandita Srivastava](#), [R. M. Jadhav](#)
Proceedings IAU Symposium No. 340, 2018
<https://arxiv.org/pdf/1807.00809.pdf>

An Automated Algorithm for Identifying and Tracking Transverse Waves in Solar Images

Micah J. [Weberg](#), Richard J. Morton, and James A. McLaughlin
2018 ApJ 852 57
<http://sci-hub.tw/10.3847/1538-4357/aa9e4a>

Evolution and Consequences of Coronal Mass Ejections in the Heliosphere

[Wageesh Mishra](#)

The **thesis** was submitted in Mar 2015 to MLS university, Udaipur, for which the university granted the degree in Jan 2016
<https://arxiv.org/pdf/2204.09879.pdf>

Heliospheric tracking of enhanced density structures of the 6 October 2010 CME

Wageesh [Mishra](#), Nandita Srivastava
Journal of Space Weather and Space Climate (SWSC) 2015
<http://arxiv.org/pdf/1505.04871v1.pdf>

A Comparison of Reconstruction Methods for the Estimation of Coronal Mass Ejections Kinematics Based on SECCHI/HI Observations

Wageesh [Mishra](#), Nandita Srivastava, and Jackie A. Davies
2014 ApJ 784 135
<http://arxiv.org/pdf/1407.8446v1.pdf>

ON THE ORIGIN OF THE EXTREME-ULTRAVIOLET LATE PHASE OF SOLAR FLARES

Kai [Liu](#)^{1,2}, Jie Zhang², Yuming Wang¹, and Xin Cheng
2013 ApJ 768 150

7 Oct

Toward a Unified Explanation for the Three-part Structure of Solar Coronal Mass Ejections

[Hongqiang Song](#), [Leping Li](#), [Yao Chen](#)

ApJ 2022

<https://arxiv.org/pdf/2205.11682.pdf>

Coronal upflows from edges of an active region observed with EUV Imaging Spectrometer onboard Hinode

Naomasa [Kitagawa](#)

PhD thesis, 2014

<http://arxiv.org/pdf/1411.4742v1.pdf>

8 Oct, ~23: Четкая корональная волна на STEREO-A

RATAN-600 Observations of Small Scale Structures with High Spectral Resolution

V. M. [Bogod](#), C. E. Alissandrakis, T. I. Kaltman, S. Kh. Tokhchukova

Solar Phys., 2014

<http://arxiv.org/pdf/1403.7658v1.pdf>

8-16 Oct

Analysis of a long-duration AR throughout five solar rotations: Magnetic properties and ejective events

Francisco A. [Iglesias](#), [Hebe Cremades](#), [Luciano A. Merenda](#), [Cristina H. Mandrini](#), [Fernando M. Lopez](#), [Marcelo C. Lopez Fuentes](#), [Ignacio Ugarte-Urra](#)

Advances in Space Research

2019

<https://arxiv.org/pdf/1911.01265.pdf>

10 Oct, >19: Заметная эрупция SE волокна на SDO 304 A.

Evolution and Consequences of Coronal Mass Ejections in the Heliosphere

[Wageesh Mishra](#)

The **thesis** was submitted in Mar 2015 to MLS university, Udaipur, for which the university granted the degree in Jan 2016

<https://arxiv.org/pdf/2204.09879.pdf>

Pseudostreamers as the source of a separate class of solar coronal mass ejections,

[Wang](#), Y-M.

(2015), Astrophys. J. Lett., 803. L12.

<http://iopscience.iop.org/article/10.1088/2041-8205/803/1/L12/pdf>

Estimating the Arrival Time of Earth-directed Coronal Mass Ejections at in Situ Spacecraft Using COR and HI Observations from STEREO

Wageesh [Mishra](#) and Nandita Srivastava

2013 ApJ 772 70

<http://arxiv.org/pdf/1306.1397v1.pdf>

11 Oct

Study of Interplanetary and Geomagnetic Response of Filament Associated CMEs

Kunjil [Dave](#), [Wageesh Mishra](#), [Nandita Srivastava](#), [R. M. Jadhav](#)

Proceedings IAU Symposium No. 340, 2018

<https://arxiv.org/pdf/1807.00809.pdf>

13 Oct

Initiation of CMEs associated with filament eruption, and the nature of CME related shocks

V.G. **Fainshtein**, , Ya.I. Egorov
Advances in Space Research, Volume 55, Issue 3, 1 February 2015, Pages 798–807
<http://www.sciencedirect.com/science/article/pii/S027311771400310X>

13-15 Oct

16 Oct – 19:10 – M2.9 вспышка, **пересвет** на STEREO-A, $A=31*2/310=0,20$

16 Oct, 19:12 – M2.9/1N (S20W26) квазипульсная **confined** вспышка в северной части AR 1112 без эрупции расположенного в ней крупного волокна
RHESSI Science Nuggets
http://sprg.ssl.berkeley.edu/~tohban/wiki/index.php/M_is_for_Magnifique

Circular-ribbon flares and the related activities

Review

[Qingmin Zhang](#)

Reviews of Modern Plasma Physics 2024

<https://arxiv.org/pdf/2401.16101.pdf>

Observational Analysis of Lyman-alpha Emission in Equivalent Magnitude Solar Flares

[Harry J. Grotorex](#), [Ryan O. Milligan](#), [Phillip C. Chamberlin](#)

ApJ 2023

<https://arxiv.org/pdf/2306.16234.pdf>

Machine learning correlation of SDO/AIA EUV images to GOES/XRS X-ray flare magnitudes

Kiera van der **Sande**, Natasha Flyer, Thomas Berger, and Riana Gagnon

Front. Astron. Space Sci. 9:1031211. 2022

<https://www.frontiersin.org/articles/10.3389/fspas.2022.1031211/pdf>

<https://doi.org/10.3389/fspas.2022.1031211>

Coronal loop kink oscillation periods derived from the information of density, magnetic field, and loop geometry

G. Y. **Chen**¹, L. Y. Chen¹, Y. Guo¹, M. D. Ding¹, P. F. Chen¹ and R. Erdélyi^{2,3,4}

A&A 664, A48 (2022)

<https://www.aanda.org/articles/aa/pdf/2022/08/aa42711-21.pdf>

Relationships between Photospheric Vertical Electric Currents and Hard X-Ray Sources in Solar Flares: Statistical Study

I.V. **Zimovets**, [I.N. Sharykin](#), [W.Q. Gan](#)

ApJ 2020

<https://arxiv.org/pdf/2002.06646.pdf>

Global Energetics of Solar Flares. IX. Refined Magnetic Modeling

Markus J. **Aschwanden**

ApJ 2019

http://www.lmsal.com/~aschwand/eprints/2019_global9.pdf

Global Energetics of Solar Flares: IV. Coronal Mass Ejection Energetics

Markus J. **Aschwanden**

ApJ 2016

<http://arxiv.org/pdf/1605.04952v1.pdf> File

http://www.lmsal.com/~aschwand/eprints/2016_global4.pdf

Forward Modelling of Standing Kink Modes in Coronal Loops II. Applications

Ding **Yuan**, Tom Van Doorselaere

2016

<http://arxiv.org/pdf/1602.07598v1.pdf>

Thermodynamic Spectrum of Solar Flares Based on SDO/EVE Observations: Techniques and First Results

Yuming **Wang**, [Zhenjun Zhou](#), [Jie Zhang](#), [Kai Liu](#), [Rui Liu](#), [Chenglong Shen](#), [Phillip C. Chamberlin](#)
2015

<http://arxiv.org/pdf/1507.08895v1.pdf>

On the Nature of the EUV Late Phase of Solar Flares

Y. **Li**, M. D. Ding, Y. Guo, Y. Dai

E-print, July 2014; ApJ, 2014

<http://arxiv.org/pdf/1407.6041v1.pdf>

Quiescent Reconnection Rate Between Emerging Active Regions and Preexisting Field, with Associated Heating: NOAA AR 11112

Lucas A. **Tarr**, Dana W. Longcope, David E. McKenzie, Keiji Yoshimura

Solar Physics, September 2014, Volume 289, Issue 9, pp 3331-3349

Advances in Observing Various Coronal EUV Waves in the SDO Era and Their Seismological Applications (Invited Review)

Wei **Liu**, Leon Ofman

E-print, April 2014; Solar Physics (Topical Issue, "Exploring the Network of SDO Science")

http://sun.stanford.edu/~weiliu/research/publications/2014/2014SolPhy_Liu_Ofman_SDO-EUV-wave-review.pdf

Height of Shock Formation in the Solar Corona Inferred from Observations of Type II Radio Bursts and Coronal Mass Ejections

N. **Gopalswamy**, H. Xie, P. Makela, S. Yashiro, S. Akiyama, W. Uddin., A. K. Srivastava, N. C. Joshi, R. Chandra, P. K. Manoharan, K. Mahalakshmi, V. C. Dwivedi, R. Jain and A. K. Awasthi, N. V. Nitta, M. J. Aschwanden, D. P. Choudhary

E-print, Jan 2013; Adv. Space Res.

Multiwavelength Study of a Solar Eruption from AR NOAA 11112: II. Large-Scale Coronal Wave and Loop Oscillation

Pankaj **Kumar**¹, K.-S. Cho^{1, 2, 3}, P. F. Chen⁴, S.-C. Bong¹ and Sung-Hong Park

Solar Physics, 2012, doi 10.1007/s11207-012-0158-7, **File**

CALCULATING ENERGY STORAGE DUE TO TOPOLOGICAL CHANGES IN EMERGING ACTIVE REGION NOAA AR 11112

Lucas **Tarr** and Dana Longcope

2012 ApJ 749 64

M is for Magnifique Part Deux

Steven **Christe**, Andy Inglis

RHESSI nugget, 21 Feb 2011

http://sprg.ssl.berkeley.edu/~tohban/wiki/index.php/M_is_for_Magnifique_Part_Deux

we continue our analysis of the M class flare of **October 16th, 2010** (SOL2010-10-16T19:12)

17 Oct – тоже импульсные C1.7 и C1.6 вспышки, тоже в северной и тоже без эрупций

17-23 Oct

Analysis of a long-duration AR throughout five solar rotations: Magnetic properties and ejective events

Francisco A. [Iglesias](#), [Hebe Cremades](#), [Luciano A. Merenda](#), [Cristina H. Mandrini](#), [Fernando M. Lopez](#), [Marcelo C. Lopez Fuentes](#), [Ignacio Ugarte-Urra](#)
Advances in Space Research **2019**
<https://arxiv.org/pdf/1911.01265.pdf>

18 Oct, 11 UT – эрупция и C1.2 вспышка в южной части волокна в AR 1112;
16:43 - C2.5 long duration event, возмущение по всему волокну с выбросом только небольших джетов, эрупция сильнее проявляется в высокотемпературных каналах; видимо, эруптировала часть аркады над волокном, а само волокно осталось на месте; практически без CME;
C1.2 at 21:39 UTC.

Longitudinal filament oscillations enhanced by two C-class flares
Longitudinal filament oscillations enhanced by two C-class flares

Q. M. [Zhang](#), [J. H. Guo](#), [K. V. Tam](#), [A. A. Xu](#)
A&A **635**, A132 **2020**
<https://arxiv.org/pdf/2001.01250.pdf>
<https://doi.org/10.1051/0004-6361/201937291>

18-20 Oct

SOLAR MAGNETIZED "TORNADOES:" RELATION TO FILAMENTS

Yang [Su](#)¹, Tongjiang Wang^{2,3}, Astrid Veronig¹, Manuela Temmer¹, and Weiqun Gan
2012 ApJ 756 L41

19 Oct

Association of 3He-Rich Solar Energetic Particles with Large-Scale Coronal Waves

Radoslav [Bucik](#), Davina E. Innes, Glenn M. Mason, Mark E. Wiedenbeck
2016
<http://arxiv.org/pdf/1609.05346v1.pdf>

20 Oct

Study of Extreme-ultraviolet Emission and Properties of a Coronal Streamer from PROBA2/SWAP, Hinode/EIS and Mauna Loa Mk4 Observations

F. [Goryaev](#)¹, V. Slemzin¹, L. Vainshtein¹, and David R. Williams
2014 ApJ 781 100

OBSERVATIONS OF SOLAR ENERGETIC PARTICLES FROM 3He-RICH EVENTS OVER A WIDE RANGE OF HELIOGRAPHIC LONGITUDE

M. E. [Wiedenbeck](#)¹, G. M. Mason², C. M. S. Cohen³, N. V. Nitta⁴, R. Gómez-Herrero^{5,6}, and D. K Haggerty
2013 ApJ 762 54

21 Oct

The Relation between Type III Radio Storms and CIR Energetic Particles

Nat [Gopalswamy](#), [Pertti Mäkelä](#), [Seiji Yashiro](#), [Sachiko Akiyama](#), [Hong Xie](#)
Proc. of 3rd URSI AT-AP-RASC, Gran Canaria, 29 May to 3 June 2022 **2022**
<https://arxiv.org/ftp/arxiv/papers/2205/2205.15852.pdf>

Evolution of photospheric flows under an erupting filament in the quiet-Sun region

Jiří [Wollmann](#) (1), [Michal Švanda](#) (1 and 2), [David Korda](#) (1), [Thierry Roudier](#)
A&A **2020**
<https://arxiv.org/pdf/2003.12515.pdf>

Advances in Observing Various Coronal EUV Waves in the SDO Era and Their Seismological Applications (Invited Review)

Wei [Liu](#), Leon Ofman

E-print, April 2014; Solar Physics (Topical Issue, "Exploring the Network of SDO Science")

http://sun.stanford.edu/~weiliu/research/publications/2014/2014SolPhy_Liu_Ofman_SDO-EUV-wave-review.pdf

Study of Extreme-ultraviolet Emission and Properties of a Coronal Streamer from PROBA2/SWAP, Hinode/EIS and Mauna Loa Mk4 Observations

F. [Goryaev](#)¹, V. Slemzin¹, L. Vainshtein¹, and David R. Williams

2014 ApJ 781 100

Height of a solar filament before eruption

B. P. [Filippov](#)

Astronomy Reports, October 2013, Volume 57, Issue 10, pp 778-78

Astronomicheskii Zhurnal, 2013, Vol. 90, No. 10, pp. 848–856.

Филиппов, АЖ, 2013 Критическая высота эруптировавшего волокна

Filament eruption on 2010 October 21 from three viewpoints

Boris [Filippov](#)

E-print, June 2013; ApJ 773 10

AN EXTREME ULTRAVIOLET WAVE ASSOCIATED WITH A MICRO-SIGMOID ERUPTION

Ruisheng [Zheng](#), Yunchun Jiang, Jiayan Yang, Yi Bi, Junchao Hong, Dan Yang, and Bo Yang

2012 ApJ 753 L29,

22 Oct

Thermodynamic Spectrum of Solar Flares Based on SDO/EVE Observations: Techniques and First Results

Yuming [Wang](#), [Zhenjun Zhou](#), [Jie Zhang](#), [Kai Liu](#), [Rui Liu](#), [Chenglong Shen](#), [Phillip C. Chamberlin](#)

2015

<http://arxiv.org/pdf/1507.08895v1.pdf>

24-26 Oct

SOLAR MAGNETIZED "TORNADOES:" RELATION TO FILAMENTS

Yang Su¹, Tongjiang Wang^{2,3}, Astrid Veronig¹, Manuela Temmer¹, and Weiqun Gan

2012 ApJ 756 L41

25 Oct

On the Estimation of the SHARP Parameter MEANALP from AIA Images Using Deep Neural Networks

[B. Benson](#), [W. D. Pan](#), [A. Prasad](#), [G. A. Gary](#) & [Q. Hu](#)

[Solar Physics](#) volume 296, Article number: 163 (2021)

<https://link.springer.com/content/pdf/10.1007/s11207-021-01912-3.pdf>

<https://doi.org/10.1007/s11207-021-01912-3>

Determining the parameter for the linear force-free magnetic field model with multi-dipolar configurations using deep neural networks

[B. Benson](#)¹ [W. David Pan](#)¹ [G. Allen Gary](#)² [Q. Hu](#)² [T. Staudinger](#)

[Astronomy and Computing](#) Volume 26, January 2019, Pages 50-60

<https://www.sciencedirect.com/science/article/pii/S2213133718301148>

Determination of Linear Force-Free Magnetic Field Constant Alpha Using Deep Learning

Bernard **Benson**, Zhuocheng Jiang, W. David Pan, G. Allen Gary and Qiang Hu
CSCI-ISAI 2017, Las Vegas Conference 2017
<http://www.ece.uah.edu/~dwpan/papers/CSCI17.pdf>

A Magnetic Bald-Patch Flare in Solar Active Region 11117

Chaowei **Jiang**, Xueshang Feng, S. T. Wu, Qiang Hu
RAA 2017
<https://arxiv.org/pdf/1705.10493.pdf>

Analyses of the Photospheric Magnetic Dynamics in Solar Active Region 11117 Using an Advanced CESE-MHD Model

Chaowei **Jiang**^{1,2*}, Shi T. Wu^{2,3*} and Xueshang Feng¹
Front. Astron. Space Sci., 10 May 2016 | <http://doi.org.secure.sci-hub.cc/10.3389/fspas.2016.00016>
<http://journal.frontiersin.org/sci-hub.cc/article/10.3389/fspas.2016.00016/full>

STUDY OF THE THREE-DIMENSIONAL CORONAL MAGNETIC FIELD OF ACTIVE REGION 11117 AROUND THE TIME OF A CONFINED FLARE USING A DATA-DRIVEN CESE-MHD MODEL

Chaowei **Jiang**, Xueshang Feng, S. T. Wu, and Qiang Hu
2012 ApJ 759 85

26 Oct, 08:30 – необычная эрупция S/SW кольцевой структуры, видимо, на месте плохо видимого волокна; SDO, 193 A; приличный SW CME

CME arrival prediction using ensemble modeling based on heliospheric imaging observations

Tanja **Amerstorfer**, [Jürgen Hinterreiter](#), [Martin A. Reiss](#), [Christian Möstl](#), [Jackie A. Davies](#), [Rachel L. Bailey](#), [Andreas J. Weiss](#), [Mateja Dumbović](#), [Maike Bauer](#), [Ute V. Amerstorfer](#), [Richard A. Harrison](#)
Space Weather 2020
<https://arxiv.org/pdf/2008.02576.pdf>

Sun-to-Earth Observations and Characteristics of Isolated Earth-Impacting Interplanetary Coronal Mass Ejections During 2008 – 2014

D. **Maričić**, [B. Vršnak](#), [A. M. Veronig](#), [M. Dumbović](#), [F. Šterc](#), [D. Roša](#), [M. Karlica](#), [D. Hržina](#) & [I. Romštajn](#)
[Solar Physics](#) volume 295, Article number: 91 (2020)
<https://link.springer.com/content/pdf/10.1007/s11207-020-01658-4.pdf>

Dynamics of solar Coronal Mass Ejections: forces that impact their propagation

Nishtha **Sachdeva**
Ph.D. **Thesis** 2019
<https://arxiv.org/pdf/1907.12673.pdf>

Characteristics of ephemeral coronal holes

Andrew R. **Inglis**, [Rachel E. O'Connor](#), [W. Dean Pesnell](#), [Michael S. Kirk](#), [Nishu Karna](#)
ApJ 2019
<https://arxiv.org/pdf/1906.01757.pdf>

A STEREO Survey of Magnetic Cloud Coronal Mass Ejections Observed at Earth in 2008-2012

Brian E. **Wood**, Chin-Chun Wu, Ronald P. Lepping, [Teresa Nieves-Chinchilla](#), [Russell A. Howard](#), [Mark G. Linton](#), [Dennis G. Socker](#)
Astrophysical Journal Supplement 2017 File

<https://arxiv.org/pdf/1701.01682v1.pdf>

Evolution and Consequences of Coronal Mass Ejections in the Heliosphere

[Wageesh Mishra](#)

The **thesis** was submitted in Mar 2015 to MLS university, Udaipur, for which the university granted the degree in Jan 2016

<https://arxiv.org/pdf/2204.09879.pdf>

Pseudostreamers as the source of a separate class of solar coronal mass ejections,

[Wang, Y-M.](#)

(2015), *Astrophys. J. Lett.*, 803. L12.

<http://iopscience.iop.org/article/10.1088/2041-8205/803/1/L12/pdf>

Forward Modeling of Synthetic EUV/SXR Emission from Solar Coronal Active Regions: Case of AR 11117

V. S. [Airapetian](#), J. Allred

18th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun Proceedings of Lowell Observatory (9-13 June 2014), Edited by G. van Belle & H. Harris. 2014

<http://arxiv.org/pdf/1409.3866v1.pdf>

Estimating the Arrival Time of Earth-directed Coronal Mass Ejections at in Situ Spacecraft Using COR and HI Observations from STEREO

Wageesh [Mishra](#) and Nandita Srivastava

2013 ApJ 772 70

<http://arxiv.org/pdf/1306.1397v1.pdf>

Quantitative Comparison of Methods for Predicting the Arrival of Coronal Mass Ejections at Earth based on multi-view imaging†

R. C. [Colaninno](#)*, A. Vourlidas, C. C. Wu

Journal of Geophysical Research: Space Physics, Nov 2013; File

<http://arxiv.org/pdf/1310.6680v2.pdf>

26-31 Oct

ПОДЪЕМ ВЕЩЕСТВА И ДИНАМИКА МАГНИТНОГО ПОЛЯ В ФОРМИРУЮЩЕЙСЯ ПОЛУТЕНИ СОЛНЕЧНОГО ПЯТНА

[ГРИГОРЬЕВ](#) В.М.1, [ЕРМАКОВА](#) Л.В.

АЖ Том: 93Номер: 2 Год: 2016 Страницы: 240

CME propagation: Where does the solar wind drag take over?

Nishtha [Sachdeva](#), Prasad Subramanian, Robin Colaninno, Angelos Vourlidas

ApJ 2015

<http://arxiv.org/pdf/1507.05199v1.pdf>

27 Oct

A Deep Learning Approach to Generating Photospheric Vector Magnetograms of Solar Active Regions for SOHO/MDI Using SDO/HMI and BBSO Data

[Haodi Jiang](#), [Qin Li](#), [Zhihang Hu](#), [Nian Liu](#), [Yasser Abdullallah](#), [Ju Jing](#), [Genwei Zhang](#), [Yan Xu](#), [Wynne Hsu](#), [Jason T. L. Wang](#), [Haimin Wang](#)

ApJ 2022

<https://arxiv.org/pdf/2211.02278.pdf>

Deriving Potential Coronal Magnetic Fields from Vector Magnetograms

Brian T. [Welsch](#), George H. Fisher

2015

<http://arxiv.org/pdf/1503.08754v1.pdf>

Coronal Magnetic Field Structure and Evolution for Flaring AR 11117 and Its Surroundings

Tilaye [Tadesse](#), T. Wiegelmann, B. Inhester, A. Pevtsov
Solar Physics, November 2012, Volume 281, Issue 1, pp 53-65

28 Oct

First Determination of 2D Speed Distribution within the Bodies of Coronal Mass Ejections

Beili [Ying](#), [Alessandro Bemporad](#), [Silvio Giordano](#), [Paolo Pagano](#), [Li Feng](#), [Lei Lu](#), [Hui Li](#), [Weiqun Gan](#)
2019

<https://arxiv.org/pdf/1905.11772.pdf>

Time-resolved emission from bright hot pixels of an active region observed in the EUV band with SDO/AIA and multi-stranded loop modeling

E. [Tajfirouze](#), F. Reale, A. Petralia, P. Testa

2015

<http://arxiv.org/pdf/1510.07524v1.pdf>

28 Oct-6 Nov

Analysis of a long-duration AR throughout five solar rotations: Magnetic properties and ejective events

Francisco A. [Iglesias](#), [Hebe Cremades](#), [Luciano A. Merenda](#), [Cristina H. Mandrini](#), [Fernando M. Lopez](#), [Marcelo C. Lopez Fuentes](#), [Ignacio Ugarte-Urra](#)

Advances in Space Research 2019

<https://arxiv.org/pdf/1911.01265.pdf>

31 Oct

Revisiting the formation mechanism for coronal rain from previous studies

[Leping Li](#), [Hardi Peter](#), [Lakshmi Pradeep Chitta](#), [Hongqiang Song](#)

Research in Astronomy and Astrophysics 2021

<https://arxiv.org/pdf/2107.01339.pdf>

Quantitative Comparison of Methods for Predicting the Arrival of Coronal Mass Ejections at Earth based on multi-view imaging†

R. C. [Colaninno](#)*, A. Vourlidas, C. C. Wu

Journal of Geophysical Research: Space Physics, Nov 2013; File

<http://arxiv.org/pdf/1310.6680v2.pdf>

November 2010 forming AR 11123

Flare-CME models: an observational perspective

Review

[Schmieder](#) B., [Aulanier](#) G., [Vrsnak](#) B.

Solar Phys. *Solar and Stellar Flares: Observations, Simulations, and Synergies* Volume 290, Issue 12, pp 3457-3486 2015 File

http://www.lesia.obspm.fr/perso/guillaume-aulanier/73_2015.FlareCmeObs.pdf

2 Nov

Intensification of magnetic field in merging magnetic flux tubes driven by supergranular vortical flows

[Abraham C-L Chian](#), [Erico L Rempel](#), [Suzana S A Silva](#), [Luis Bellot Rubio](#), [Milan Gošić](#)

Monthly Notices of the Royal Astronomical Society, 518, Issue 4, February 2023, Pages 4930–4942,

<https://doi.org/10.1093/mnras/stac3352>

<https://watermark.silverchair.com/stac3352.pdf>

Supergranular turbulence in a quiet Sun: Lagrangian coherent structures

Abraham C.-L. [Chian](#), [Suzana S. A. Silva](#), [Erico L. Rempel](#), [Milan Gošić](#), [Luis R. Bellot Rubio](#), [Rodrigo A. Miranda](#), [Iker S. Requerey](#)

MNRAS 488, Issue 3, September 2019, Pages 3076–3088, 2019

[sci-hub.se/10.1093/mnras/stz1909](https://doi.org/10.1093/mnras/stz1909)

<https://arxiv.org/pdf/1904.08472.pdf>

Association of 3He-Rich Solar Energetic Particles with Large-Scale Coronal Waves

Radoslav [Bucik](#), Davina E. Innes, Glenn M. Mason, Mark E. Wiedenbeck

2016

<http://arxiv.org/pdf/1609.05346v1.pdf>

OBSERVATIONS OF SOLAR ENERGETIC PARTICLES FROM 3He-RICH EVENTS OVER A WIDE RANGE OF HELIOGRAPHIC LONGITUDE

M. E. [Wiedenbeck](#)¹, G. M. Mason², C. M. S. Cohen³, N. V. Nitta⁴, R. Gómez-Herrero^{5,6}, and D. K Haggerty

2013 ApJ 762 54

2-3 Nov

The solar internetwork. III. Unipolar versus bipolar flux appearance

[Milan Gošić](#), [Luis R. Bellot Rubio](#), [Mark C. M. Cheung](#), [David Orozco Suárez](#), [Yukio Katsukawa](#), [Jose Carlos Del Toro Iniesta](#)

ApJ 2021

<https://arxiv.org/pdf/2111.03208.pdf>

Photospheric downflows observed with SDO/HMI, HINODE, and an MHD simulation

T. [Roudier](#)¹, M. Švanda^{2,3}, J. M. Malherbe^{4,5}, J. Ballot¹, D. Korda² and Z. Frank⁶

A&A 647, A178 (2021)

<https://www.aanda.org/articles/aa/pdf/2021/03/aa40172-20.pdf>

Persistent magnetic vortex flow at a supergranular vertex★

Iker S. [Requerey](#)^{1,2}, Basilio Ruiz Cobo^{1,3}, Milan Gošić^{4,5} and Luis R. Bellot Rubio

A&A 610, A84 (2018)

<https://www.aanda.org/articles/aa/pdf/2018/02/aa31842-17.pdf>

The Solar Internetwork. I. Contribution to the Network Magnetic Flux

Milan [Gošić](#), Luis R. Bellot Rubio, David Orozco Suárez, Yukio Katsukawa, Jose Carlos Del Toro Iniesta

ApJ, 2014

3 Nov **залимбовый пересвет** 12:16 ←16s 8s→ B=71/278=0.26

12:11 – No; 12:21 = 33*2/278 <0.26

3 Nov

EUV imaging and spectroscopy for improved space weather forecasting

Review

Leon [Golub](#)^{1*}, Peter Cheimets¹, Edward E. DeLuca¹, Chad A. Madsen¹, Katharine K. Reeves¹, Jenna Samra¹, Sabrina Savage², Amy Winebarger² and Alexander R. Brucoleri³

J. Space Weather Space Clim. 2020, 10, 37

<https://doi.org/10.1051/swsc/2020040>

<https://www.swsc-journal.org/articles/swsc/pdf/2020/01/swsc200031.pdf>

Investigation into CME Shock Speed Resulting from Type II Solar Radio Bursts

A Newly Designed Half-Wave Dipole Antenna (HWDA) Array System

F. A. M. [Pauzi](#), [Z. Z. Abidin](#), [S. J. Guo](#), [G. N. Gao](#), [L. Dong](#) & [C. Monstein](#)
[Solar Physics](#) volume 295, Article number: 42 (2020)
<https://link.springer.com/content/pdf/10.1007/s11207-019-1404-z.pdf>

Ensemble Prediction of a Halo Coronal Mass Ejection Using Heliospheric Imagers

T. [Amerstorfer](#), [C. Möstl](#), [P. Hess](#), [M. Temmer](#), [M. L. Mays](#), [M. Reiss](#), [P. Lowrance](#), [Ph.-A. Bourdin](#)
Space Weather 2017
<https://arxiv.org/pdf/1712.00218.pdf>

Forward Modelling of Standing Kink Modes in Coronal Loops II. Applications

Ding [Yuan](#), Tom Van Doorsselaere
2016
<http://arxiv.org/pdf/1602.07598v1.pdf>

Review on Current Sheets in CME Development: Theories and Observations

Jun [Lin](#), Nicholas A. Murphy, Chengcai Shen, John C. Raymond, Katharine K. Reeves, Jiayong Zhong, Ning Wu, Yan Li
Space Science Reviews 2015 File Open Access

RHESSI Heliophysics Senior Review 2015

High Energy Solar Spectroscopic Imager

Samuel [Krucker](#), Brian Dennis, Albert Shih, Manfred Bester
http://hesperia.gsfc.nasa.gov/senior_review/2015/senior_review_proposal_2015.pdf

Kelvin-Helmholtz instability on coronal mass ejecta in the lower corona

I. [Zhelyazkov](#), T. V. Zaqarashvili, R. Chandra
2014
<http://arxiv.org/pdf/1411.6621v1.pdf>

Initiation of CME event observed on November 3, 2010: Multi-wavelength Perspective

Sargam [Mulay](#), Srividya Subramanian, Durgesh Tripathi, Hiroaki Isobe, Lindsay Glesener
ApJ, 2014
<http://arxiv.org/pdf/1407.5837v1.pdf>

Advances in Observing Various Coronal EUV Waves in the SDO Era and Their Seismological Applications (Invited Review)

Wei [Liu](#), Leon Ofman
E-print, April 2014; Solar Physics (Topical Issue, "Exploring the Network of SDO Science")
http://sun.stanford.edu/~weiliu/research/publications/2014/2014SolPhy_Liu_Ofman_SDO-EUV-wave-review.pdf

Three-Dimensional Evolution of Flux-Rope CMEs and Its Relation to the Local Orientation of the Heliospheric Current Sheet

A. [Isavnin](#), A. Vourlidas, E. K. J. Kilpua
Solar Phys., 2014, File

Observation of Heating by Flare-accelerated Electrons in a Solar Coronal Mass Ejection

Lindsay [Glesener](#), S?m Krucker, Hazel Bain, Robert Lin
E-print, Dec 2013

RHESSI Heliophysics Senior Review 2013

Samuel [Krucker](#), Brian Dennis, Manfred Bester, Laura Peticolas
http://hesperia.gsfc.nasa.gov/senior_review/2013/senior_review_proposal_2013.pdf, 2013, File

Multiwavelength Observations of an Eruptive Flare: Evidence for Blast Waves and Break-Out

Pankaj **Kumar**, D. E. Innes
Solar Physics, April 2013; File

Multi-thermal dynamics and energetics of a coronal mass ejection in the low solar atmosphere*

I. G. **Hannah** and E. P. Kontar
A&A 553, A10 (2013); File

KELVIN-HELMHOLTZ INSTABILITY OF THE CME RECONNECTION OUTFLOW LAYER IN THE LOW CORONA

Claire **Foullon**¹, Erwin Verwichte¹, Katariina Nykyri², Markus J. Aschwanden³, and Iain G. Hannah
2013 ApJ 767 170

Blast-wave and piston shocks connected with the formation and propagation of a coronal mass ejection

V. G. **Eselevich**, M. V. Eselevich, I. V. Zimovets
Astronomy Reports, February 2013, Volume 57, Issue 2, pp 142-151
Astronomicheskii Zhurnal, 2013, Vol. 90, No. 2, pp. 166–176.

Height of Shock Formation in the Solar Corona Inferred from Observations of Type II Radio Bursts and Coronal Mass Ejections

N. **Gopalswamy**, H. Xie, P. Makela, S. Yashiro, S. Akiyama, W. Uddin., A. K. Srivastava, N. C. Joshi, R. Chandra, P. K. Manoharan, K. Mahalakshmi, V. C. Dwivedi, R. Jain and A. K. Awasthi, N. V. Nitta, M. J. Aschwanden, D. P. Choudhary
E-print, Jan 2013; Adv. Space Res.

Solar filament eruptions and their physical role in triggering Coronal Mass Ejections

Schmieder B., Demoulin P., Aulanier G. **Review**
E-print, Dec 2012, File; Advances in Space Research, 2013

DIFFERENTIAL EMISSION MEASURE ANALYSIS OF MULTIPLE STRUCTURAL COMPONENTS OF CORONAL MASS EJECTIONS IN THE INNER CORONA

X. **Cheng**^{1,2,3}, J. Zhang², S. H. Saar⁴, and M. D. Ding
2012 ApJ 761 62

First observation of a transverse vertical oscillation during the formation of a hot post-flare loop

R. S. **White**, E. Verwichte and C. Foullon
A&A 545, A129 (2012)

Spatially resolved observations of a split-band coronal type-II radio burst

I. **Zimovets**, N. Vilmer, A. C.-L. Chian, I. Sharykin, A. Struminsky
E-print, Aug 2012; A&A

LOW-ALTITUDE RECONNECTION INFLOW-OUTFLOW OBSERVATIONS DURING A 2010 NOVEMBER 3 SOLAR ERUPTION

Sabrina L. **Savage**¹, Gordon Holman¹, Katharine K. Reeves², Daniel B. Seaton³, David E. McKenzie⁴, and Yang Su
2012 ApJ 754 13

RADIO IMAGING OF SHOCK-ACCELERATED ELECTRONS ASSOCIATED WITH AN ERUPTING PLASMOID ON 2010 NOVEMBER 3

H. M. **Bain**, Säm Krucker¹, L. Glesener, and R. P. Lin
2012 ApJ 750 44

Observing Flux Rope Formation During the Impulsive Phase of a Solar Eruption

X. **Cheng**, J. Zhang, Y. Liu, M. D. Ding

E-print, March 2011; ApJ Letters 2011 732 L25, File

MAGNETIC KELVIN–HELMHOLTZ INSTABILITY AT THE SUN

Claire [Foullon](#)¹, Erwin Verwichte¹, Valery M. Nakariakov^{1,2}, Katariina Nykyri³, and Charles J. Farrugia⁴

Astrophysical Journal Letters, 729:L8 (4pp), 2011 March
at the flank of the CME ejecta

3-7 Nov – Несколько вспышек балла C и до M5 из SE области без корональных волн и почти без CMEs, т.е. без эруптивных проявлений

[http://sprg.ssl.berkeley.edu/~tohban/wiki/index.php/But there was a bigger one](http://sprg.ssl.berkeley.edu/~tohban/wiki/index.php/But_there_was_a_bigger_one)

ATMOSPHERIC IMAGING ASSEMBLY OBSERVATIONS OF HOT FLARE PLASMA

Katharine K. [Reeves](#) and Leon Golub

2011 ApJ 727 L52; File

4 Nov

Modelling the magnetic vectors of ICMEs at different heliocentric distances with INFROS

Ranadeep [Sarkar](#), [Nandita Srivastava](#), [Nat Gopalswamy](#), [Emilia Kilpua](#)

ApLS 2024

<https://arxiv.org/pdf/2406.09247>

How Common are Hot Magnetic Flux Ropes in the Low Solar Corona? A Statistical Study of EUV Observations

A. [Nindos](#), S. Patsourakos, A. Vourlidas, C. Tagikas

ApJ 2015

<http://arxiv.org/pdf/1507.03766v1.pdf>

Plasma Upflows and Microwave Emission in Hot Supra-arcade Structure Associated with an M1.6 Limb Flare

S. [Kim](#), K. Shibasaki, H.-M. Bain, and K.-S. Cho

2014 ApJ 785 106

Three-Dimensional Evolution of Erupted Flux Ropes from the Sun ($2-20 R_{\odot}$) to 1 AU

A. [Isavnin](#), A. Vourlidas, E. K. J. Kilpua

Solar Physics

May 2013, Volume 284, Issue 1, pp 203-215; File

SLOW MAGNETOACOUSTIC OSCILLATIONS IN THE MICROWAVE EMISSION OF SOLAR FLARES

S. [Kim](#)¹, V. M. Nakariakov^{2,3}, and K. Shibasaki

2012 ApJ 756 L36

5 Nov - 00:16 – M1.6 вспышка, **пересвет** на STEREO-B, $B=17,5*2/277=0,13$ ← 16 s
8 s → 00:11 $L/Rs=10*2/277=0,072$

13:41 – M1.0 вспышка, **пересвет** на STEREO-B, $B=9*2/277=0,0649$

5 Nov

Hot X-ray Onsets of Solar Flares

[Hugh S. Hudson](#), [Paulo J. A. Simoes](#), [Lyndsay Fletcher](#), [Laura A. Hayes](#), [Iain G. Hannah](#)

MNRAS 2020

<https://arxiv.org/pdf/2007.05310.pdf>

Generic Magnetic Field Intensity Profiles of Interplanetary Coronal Mass Ejections at Mercury, Venus, and Earth From Superposed Epoch Analyses

Miho [Janvier](#), [Reka M. Winslow](#), [Simon Good](#), [Elise Bonhomme](#), [Pascal Démoulin](#), [Sergio Dasso](#), [Christian Möstl](#), [Noé Lugaz](#), [Tanja Amerstorfer](#), [Elie Soubrié](#), [Peter D. Boakes](#)

JGR [Volume124, Issue2](#), February 2019, Pages 812-836

sci-hub.tw/10.1029/2018JA025949

<https://arxiv.org/pdf/1901.09921.pdf>

Thermodynamic Spectrum of Solar Flares Based on SDO/EVE Observations: Techniques and First Results

Yuming [Wang](#), [Zhenjun Zhou](#), [Jie Zhang](#), [Kai Liu](#), [Rui Liu](#), [Chenglong Shen](#), [Phillip C. Chamberlin](#)

2015

<http://arxiv.org/pdf/1507.08895v1.pdf>

Extremely Large EUV Late Phase of Solar Flares

Kai [Liu](#)^{1,2}, Yuming Wang¹, Jie Zhang³, Xin Cheng⁴, Rui Liu¹, and Chenglong Shen

2015 ApJ 802 35

<http://arxiv.org/pdf/1504.05340v1.pdf>

5-6 Nov

Correlation of ICME Magnetic Fields at Radially Aligned Spacecraft

S. W. [Good](#), R. J. Forsyth, J. P. Eastwood, C. Möstl

[Solar Physics](#) March 2018, 293:52

<https://link.springer.com/content/pdf/10.1007%2Fs11207-018-1264-y.pdf>

EMERGING DIMMINGS OF ACTIVE REGIONS OBSERVED BY THE SOLAR DYNAMICS OBSERVATORY

Jun [Zhang](#)¹, Shuhong Yang¹, Yang Liu², and Xudong Sun

2012 ApJ 760 L29

5-8 Nov

Radial Evolution of Magnetic Field Fluctuations in an Interplanetary Coronal Mass Ejection Sheath

S. W. [Good](#)¹, M. Ala-Lahti¹, E. Palmerio^{1,2}, E. K. J. Kilpua¹, and A. Osmane¹

2020 ApJ 893 110

<https://arxiv.org/pdf/2003.05760.pdf>

<https://doi.org/10.3847/1538-4357/ab7fa2>

Heliospheric Evolution of Magnetic Clouds

Bojan [Vršnak](#), [Tanja Amerstorfer](#), [Mateja Dumbović](#), [Martin Leitner](#), [Astrid M. Veronig](#), [Manuela Temmer](#), [Christian Möstl](#), [Ute V. Amerstorfer](#), [Charles J. Farrugia](#), [Antoinette B. Galvin](#)

ApJ 2019

<https://arxiv.org/pdf/1904.08266.pdf>

6 Nov - 15:41 – M5.4 вспышка, **пересвет** на STEREO-B, $B=31*2/277=0.22$

6 Nov

How Common are Hot Magnetic Flux Ropes in the Low Solar Corona? A Statistical Study of EUV Observations

A. [Nindos](#), S. Patsourakos, A. Vourlidas, C. Tagikas

ApJ 2015

<http://arxiv.org/pdf/1507.03766v1.pdf>

Observation and numerical modeling of chromospheric evaporation during the impulsive phase of a solar flare

Shinsuke **Imada**, Izumi Murakami, Tetsuya Watanabe

Physics of Plasma 2015

<http://arxiv.org/pdf/1506.04674v1.pdf>

Qualities of Sequential Chromospheric Brightenings Observed in H α and UV Images

Michael S. **Kirk**^{1,2}, K. S. Balasubramaniam^{2,3}, Jason Jackiewicz², and R. T. James McAteer

2014 ApJ 796 78

<http://arxiv.org/pdf/1411.4069v1.pdf>

Failed filament eruption inside a coronal mass ejection in active region 11121*

D. **Kuridze**^{1,4}, M. Mathioudakis¹, A. F Kowalski², P. H. Keys¹, D. B. Jess^{1,5}, K. S. Balasubramaniam³ and F. P. Keenan

A&A 552, A55 (2013)

10 Nov

An aurora display

Discoveries and Concepts: The Sun's Role in Astrophysics

Review

Jack B. Zirker¹, Oddbjørn Engvold²

In: *The Sun as a Guide to Stellar Physics* **Book**

Eds. Oddbjørn Engvold, Jean-Claude Vial, and Andrew Skumanich

Elsevier, November 2018

<https://www.sciencedirect.com/book/9780128143346/the-sun-as-a-guide-to-stellar-physics>

Radial Flow Pattern of a Slow CME

Li **Feng**, Bernd Inhester, Weiqun Gan

ApJ 2015

<http://arxiv.org/pdf/1503.08502v1.pdf>

Origin of Macrospicule and Jet in Polar Corona by A Small-scale Kinked Flux-Tube

Kayshap, P.; Srivastava, A. K.; Murawski, K.; Tripathi, D.

E-print, May 2013; ApJL

10-15 Nov

Analysis of a long-duration AR throughout five solar rotations: Magnetic properties and ejective events

Francisco A. **Iglesias**, [Hebe Cremades](#), [Luciano A. Merenda](#), [Cristina H. Mandrini](#), [Fernando M. Lopez](#), [Marcelo C. Lopez Fuentes](#), [Ignacio Ugarte-Urra](#)

Advances in Space Research 2019

<https://arxiv.org/pdf/1911.01265.pdf>

11 Nov – Серия импульсных вспышек класса C из южного/центрального сектора диска, SDO

Data-driven modeling of solar coronal magnetic field evolution and eruptions

Chaowei **Jiang**, Xueshang Feng, Yang Guo, Qiang Hu

The Innovation 2022

[https://www.cell.com/the-innovation/fulltext/S2666-6758\(22\)00032-7](https://www.cell.com/the-innovation/fulltext/S2666-6758(22)00032-7)

<https://doi.org/10.1016/j.xinn.2022.100236>

Homologous large-amplitude Nonlinear fast-mode Magnetosonic Waves Driven by Recurrent Coronal Jets

Yuandeng **Shen**, [Yu Liu](#), [Ying D. Liu](#), [Jiangtao Su](#), [Zehao Tang](#), [Yuhu Miao](#)

ApJ **2018**
<https://arxiv.org/pdf/1805.12303.pdf>

MAGNETO-FRICTIONAL MODELING OF CORONAL NONLINEAR FORCE-FREE FIELDS. II. APPLICATION TO OBSERVATIONS

Y. **Guo**^{1,2}, C. Xia², and R. Keppens¹
2016 ApJ 828 83

Coronal mass ejections from the same active region cluster: Two different perspectives

Hebe **Cremades**, Cristina Hemilse Mandrini, Brigitte Schmieder, Alberto Maximiliano Crescitelli
Solar Phys **2015**
<http://arxiv.org/pdf/1505.01384v1.pdf>

Solar science with the Atacama Large Millimeter/submillimeter Array - A revolutionizing new view of our Sun **Review**

S. **Wedemeyer**, [T. Bastian](#), [R. Brajsa](#), [M. Barta](#), [H. Hudson](#), [G. Fleishman](#), [M. Loukitcheva](#), [B. Fleck](#), [E. P. Kontar](#), [B. De Pontieu](#), [S. K. Tiwari](#), [Y. Kato](#), [R. Soler](#), [P. Yagoubov](#), [J. H. Black](#), [P. Antolin](#), [E. Scullion](#), [S. Gun'ar](#), [N. Labrosse](#), [A. O. Benz](#), [H.-G. Ludwig](#), [P. Hauschildt](#), [J. G. Doyle](#), [V. M. Nakariakov](#), [S. K. Solanki](#), [S. M. White](#), [T. Ayres](#), [P. Heinzel](#), [M. Karlicky](#), [T. Van Doorselaere](#), [D. Gary](#), [C. E. Alissandrakis](#), [A. Nindos](#), [L. Rouppe van der Voort](#), [M. Shimojo](#), [T. Zaqarashvili](#), [E. Perez](#)
Space Sci. Rev. **2015**
<http://arxiv.org/pdf/1504.06887v2.pdf>

H α spectroscopy and multi-wavelength imaging of a solar flare caused by filament eruption

Z. **Huang**, M. S. Madjarska, K. Koleva, J. G. Doyle, P. Duchlev, M. Dechev, and K. Reardon
E-print, May 2014; A&A
<http://star.arm.ac.uk/preprints/2014/652.pdf>

Advances in Observing Various Coronal EUV Waves in the SDO Era and Their Seismological Applications (**Invited Review**)

Wei **Liu**, Leon Ofman
E-print, April 2014; Solar Physics (Topical Issue, "Exploring the Network of SDO Science")
http://sun.stanford.edu/~weiliu/research/publications/2014/2014SolPhy_Liu_Ofman_SDO-EUV-wave-review.pdf

Topological Analysis of Emerging Bipole Clusters Producing Violent Solar Events

C.H. **Mandrini**, B. Schmieder, P. D?moulin, Y. Guo, G. Cristiani
E-print, Dec 2013; Solar Phys.

OBSERVATIONS OF SOLAR ENERGETIC PARTICLES FROM 3He-RICH EVENTS OVER A WIDE RANGE OF HELIOGRAPHIC LONGITUDE

M. E. **Wiedenbeck**¹, G. M. Mason², C. M. S. Cohen³, N. V. Nitta⁴, R. Gómez-Herrero^{5,6}, and D. K Haggerty
2013 ApJ 762 54

HOMOLOGOUS EXTREME ULTRAVIOLET WAVES IN THE EMERGING FLUX REGION OBSERVED BY THE SOLAR DYNAMICS OBSERVATORY

Ruisheng **Zheng**, Yunchun Jiang, Jiayan Yang, Yi Bi, Junchao Hong, B. Yang and Dan Yang
2012 ApJ 747 67, **File**

12 Nov, 01:40 – Южная эрупция (волокна); хорошо видна на SDO_304.

Импульсная С3 вспышка, CME, III, II тип

-- November 12: A partial halo CME was observed over the southern hemisphere following a filament eruption beginning at 16h UTC (the eruption was probably triggered by a C4.6 flare in region 11123). The CME was unimpressive and it is uncertain if it will reach Earth at all.

Structured type III radio bursts observed in interplanetary space

Immanuel C. **Jebaraj**, [Jasmina Magdalenić](#), [Vladimir Krasnoselskikh](#), [Vratislav Krupar](#), [Stefaan Poedts](#)
A&A **2022**
<https://arxiv.org/pdf/2209.12333.pdf>

The Relation Between Large-Scale Coronal Propagating Fronts and Type II Radio Bursts

Nariaki V. **Nitta**, Wei Liu, Nat Gopalswamy, Seiji Yashiro
Solar Phys., **2014**
http://www.lmsal.com/nitta/publ/SP_typeII_20140904.pdf
<http://arxiv.org/pdf/1409.4754v1.pdf> File

Kinematic Properties of Slow ICMEs and an Interpretation of a Modified Drag Equation for Fast and Moderate ICMEs

T. **Iju**, M. Tokumaru, K. Fujiki
Solar Physics, June **2014**, Volume 289, Issue 6, pp 2157-2175
<http://arxiv.org/pdf/1401.1724v1.pdf>

Calibration and Data Processing for a Chinese Spectral Radioheliograph in the Decimeter Wave Range

W. **Wang**, Y. Yan, D. Liu, Z. Chen, C. Su, F. Liu, L. Geng, L. Chen, and J. Du
Publ. Astron. Soc. Japan 65, SP1, S18 [5 pages] (**2013**)
<http://pasj.asj.or.jp/v65/sp1/65S018/65S018.pdf>

Negative bursts

Grechnev et al., PASJ, 2013

Height of Shock Formation in the Solar Corona Inferred from Observations of Type II Radio Bursts and Coronal Mass Ejections

N. **Gopalswamy**, H. Xie, P. Makela, S. Yashiro, S. Akiyama, W. Uddin., A. K. Srivastava, N. C. Joshi, R. Chandra, P. K. Manoharan, K. Mahalakshmi, V. C. Dwivedi, R. Jain and A. K. Awasthi, N. V. Nitta, M. J. Aschwanden, D. P. Choudhary
E-print, Jan **2013**; Adv. Space Res.

13 Nov, ~05 UT: Эрупция центрального/северного волокна; See Events

Interplanetary Type III Bursts and Electron Density Fluctuations in the Solar Wind

V. **Krupar**, M. Maksimovic, E. P. Kontar, A. Zaslavsky, O. Santolik, J. Soucek, O. Kruparova, J. P. Eastwood, and A. Szabo
2018 ApJ 857 82
<http://sci-hub.tw/http://iopscience.iop.org/0004-637X/857/2/82/>

CHALLENGING SOME CONTEMPORARY VIEWS OF CORONAL MASS EJECTIONS.

I. THE CASE FOR BLAST WAVES

T. A. **Howard**¹ and V. J. Pizzo
2016 ApJ 824 92 File

Active region upflows: 1. Multi-instrument observations

K. **Vanninathan**, M.S. Madjarska, K. Galsgaard, Z. Huang, J.G. Doyle
A&A **2015**
<http://arxiv.org/pdf/1509.05624v1.pdf>

Active region upflows: 2. Data driven MHD modeling

K. **Galsgaard**, M. S. Madjarska, K. Vanninathan, Z. Huang, M. Presmann

ApJ (A&A) 2015
<http://arxiv.org/pdf/1509.05639v1.pdf>

Disappearance of a coronal hole induced by a filament activation

Ma **Lin**, Qu Zhong-Quan, Yan Xiao-Li, Xue Zhi-Ke

Research in Astron. & Astrophys., 2014

<http://arxiv.org/pdf/1404.7223v1.pdf>

Advances in Observing Various Coronal EUV Waves in the SDO Era and Their Seismological Applications (Invited Review)

Wei **Liu**, Leon Ofman

E-print, April 2014; Solar Physics (Topical Issue, "Exploring the Network of SDO Science")

http://sun.stanford.edu/~weiliu/research/publications/2014/2014SolPhy_Liu_Ofman_SDO-EUV-wave-review.pdf

AN EXTREME-ULTRAVIOLET WAVE ASSOCIATED WITH A SURGE

Ruisheng **Zheng**, Yunchun Jiang, Jiayan Yang, Yi Bi, Junchao Hong, Bo Yang, and Dan Yang

2013 ApJ 764 70

14 Nov

Association of 3He-Rich Solar Energetic Particles with Large-Scale Coronal Waves

Radoslav **Bucik**, Davina E. Innes, Glenn M. Mason, Mark E. Wiedenbeck

2016

<http://arxiv.org/pdf/1609.05346v1.pdf>

14-18 Nov

Three-dimensional magnetic structure of a sunspot: comparison of the photosphere and upper chromosphere

Jayant **Joshi**, Andreas Lagg, Johann Hirzberger, Sami K. Solanki

A&A 2017

<https://arxiv.org/pdf/1705.08404.pdf>

Case studies of multi-day 3He-rich solar energetic particle periods

Nai-hwa **Chen**, Radoslav. Bucik, Davina. E. Innes, Glenn. M. Mason

A&A 2015

<http://arxiv.org/pdf/1506.04369v1.pdf>

15 Nov

Filament Eruption with a Deflection of Nearly 90 Degrees

Jiayan **Yang**¹, Jun Dai^{1,2}, Hechao Chen^{1,2}, Haidong Li¹, and Yunchun Jiang

2018 ApJ 862 86

<http://sci-hub.tw/10.3847/1538-4357/aacbfd>

16 Nov

Prominence and Filament Eruptions Observed by the Solar Dynamics Observatory: Statistical Properties, Kinematics, and Online Catalog

Patrick I. **McCauley**, Yingna Su, Nicole Schanche, Kaitlin E. Evans, Chuan Su, Sean McKillop, Katharine K. Reeves

Solar Phys. 2015

<http://arxiv.org/pdf/1505.02090v1.pdf>

Full Sun monochromatic images

Ignacio **Ugarte-Urra** and Harry Warren

Hinode EIS science nugget 28 Feb 2011

<http://msslxr.mssl.ucl.ac.uk:8080/SolarB/eisnuggets.jsp>

16-28 Nov

IS ACTIVE REGION CORE VARIABILITY AGE DEPENDENT?

Ignacio [Ugarte-Urra](#)¹ and Harry P. Warren

2012 ApJ 761 21

17 Nov

Analysis of a long-duration AR throughout five solar rotations: Magnetic properties and ejective events

Francisco A. [Iglesias](#), [Hebe Cremades](#), [Luciano A. Merenda](#), [Cristina H. Mandrini](#), [Fernando M. Lopez](#), [Marcelo C. Lopez Fuentes](#), [Ignacio Ugarte-Urra](#)

Advances in Space Research 2019

<https://arxiv.org/pdf/1911.01265.pdf>

Forward Modeling of the Type III Radio Burst Exciter

Peijin [Zhang](#), Chuanbing Wang, Lin Ye, Yuming Wang

[Solar Physics](#) May 2019, 294:62

sci-hub.se/10.1007/s11207-019-1448-0

Association of 3He-Rich Solar Energetic Particles with Large-Scale Coronal Waves

Radoslav [Bucik](#), Davina E. Innes, Glenn M. Mason, Mark E. Wiedenbeck

2016

<http://arxiv.org/pdf/1609.05346v1.pdf>

18-23 Nov

Cloud model inversions of strong chromospheric absorption lines using principal component analysis

Ekaterina [Dineva](#) (1 and 2), [Meetu Verma](#) (1), [Sergio Javier González Manrique](#) (3), [Pavol Schwartz](#) (3), [Carsten Denker](#) (1)

Astronomische Nachrichten/Astronomical Notes 2020

<https://arxiv.org/pdf/1912.10476.pdf>

20-23 Nov

The Complexity of Emerging Magnetic Flux during the Lifetime of Solar Ephemeral Regions

Hanlin [Yang](#)^{1,2,3}, Chunlan Jin^{1,3}, Zifan Wang^{1,3}, and Jingxiu Wang^{1,2,3}

2024 ApJ 967 59

<https://iopscience.iop.org/article/10.3847/1538-4357/ad3947/pdf>

21 Nov, ~16 UT: NW limb eruption at SDO 304 A

24 Nov – several near-limb eruptions; >20 UT серьезная NW дисковая эрупция at SDO 304 A

Pseudostreamers as the source of a separate class of solar coronal mass ejections,

[Wang](#), Y-M.

(2015), *Astrophys. J. Lett.*, 803. L12.

<http://iopscience.iop.org/article/10.1088/2041-8205/803/1/L12/pdf>

Prominence and Filament Eruptions Observed by the Solar Dynamics Observatory: Statistical Properties, Kinematics, and [Online Catalog](#)

Patrick I. [McCauley](#), Yingna Su, Nicole Schanche, Kaitlin E. Evans, Chuan Su, Sean McKillop, Katharine K. Reeves

Solar Phys. 2015

<http://arxiv.org/pdf/1505.02090v1.pdf>

25 Nov – продолжение NW эрупции(й)

FIRST SDO/AIA OBSERVATION OF SOLAR PROMINENCE FORMATION FOLLOWING AN ERUPTION: MAGNETIC DIPS AND SUSTAINED CONDENSATION AND DRAINAGE

Wei [Liu](#)^{1,2}, Thomas E. Berger¹ and B. C. Low

2012 ApJ 745 L21

26 Nov

Revisiting the formation mechanism for coronal rain from previous studies

[Leping Li](#), [Hardi Peter](#), [Lakshmi Pradeep Chitta](#), [Hongqiang Song](#)

Research in Astronomy and Astrophysics 2021

<https://arxiv.org/pdf/2107.01339.pdf>

Coronal Condensation in Funnel Prominences as Return Flows of the Chromosphere-Corona Mass Cycle

[Liu](#), Wei; Berger, Thomas E.; and Low, B. C.

2014/01, Nature of Prominences and their role in Space Weather, Proceedings of the International Astronomical Union, IAU Symposium, Volume 300, pp. 441-442

http://sun.stanford.edu/~weiliu/research/publications/2013/2014IAUS_Liu_Berger_Low_funnel-prom.pdf

27 Nov

Statistical Analysis of the Horizontal Divergent Flow in Emerging Solar Active Regions

Shin [Toriumi](#), Keiji Hayashi, Takaaki Yokoyama

ApJ, 2014

<http://arxiv.org/pdf/1408.2383v1.pdf>

EMERGING DIMMINGS OF ACTIVE REGIONS OBSERVED BY THE SOLAR DYNAMICS OBSERVATORY

Jun [Zhang](#)¹, Shuhong Yang¹, Yang Liu², and Xudong Sun

2012 ApJ 760 L29

27-30 Nov

Observations and modeling of the solar flux emergence **Review**

Shin [TORIUMI](#)

Publ. Astron. Soc. Japan (2014) 66 (SP1), S6 (1–10)

<http://pasj.oxfordjournals.org/content/66/SP1/S6.full.pdf+html>

29 Nov – >01 UT: центральная/северная эрупция

Three-Dimensional Reconstruction and Thermal Modelling of Observed Loops

[F.A. Nuevo](#), [C. Mac Cormack](#), [M. López Fuentes](#), [A.M. Vásquez](#), [C.H. Mandrini](#)

Solar Phys. 2020

<https://arxiv.org/pdf/2011.09575.pdf>

Association of 3He-Rich Solar Energetic Particles with Large-Scale Coronal Waves

Radoslav [Bucik](#), Davina E. Innes, Glenn M. Mason, Mark E. Wiedenbeck

2016

<http://arxiv.org/pdf/1609.05346v1.pdf>

The multi-thermal and multi-stranded nature of coronal rain

P. [Antolin](#), [G. Vissers](#), [T. M. D. Pereira](#), [L. Rouppe van der Voort](#), [E. Scullion](#)

ApJ 2015

<http://arxiv.org/pdf/1504.04418v1.pdf>

30 Nov – >17 UT: НЕ эрупция, CME хорошо виден на STEREO-A/COR2

THE HEIGHT EVOLUTION OF THE "TRUE" CORONAL MASS EJECTION MASS DERIVED FROM STEREO COR1 AND COR2 OBSERVATIONS

B. M. **Bein**¹, M. Temmer¹, A. Vourlidas², A. M. Veronig¹, and D. Utz

2013 ApJ 768 31; **File**

Mass Loss Evolution in the EUV Low Corona from SDO/AIA Data

Fernando M. **López**, Hebe Cremades, Federico A. Nuevo, [Laura A. Balmaceda](#), [Alberto A. Vásquez](#)
Solar Phys. 2016

<https://arxiv.org/pdf/1611.00849v1.pdf>

Dec 2010-March 2011

The Helioseismic and Magnetic Imager (HMI) Vector Magnetic Field Pipeline: Magnetohydrodynamics Simulation Module for the Global Solar Corona

Keiji **Hayashi**, [J. Todd Hoeksema](#), [Yang Liu](#), [Monica G. Bobra](#), [Xudong D. Sun](#), [Aimee A. Norton](#)

Solar Phys. 2015

<http://arxiv.org/pdf/1504.05217v1.pdf>

1 Dec

FRIED: A NOVEL THREE-DIMENSIONAL MODEL OF CORONAL MASS EJECTIONS

A. **Isavnin**

2016 ApJ 833 267

<http://sci-hub.cc/10.3847/1538-4357/833/2/267>

Advances in Observing Various Coronal EUV Waves in the SDO Era and Their Seismological Applications (Invited Review)

Wei **Liu**, Leon Ofman

E-print, April 2014; Solar Physics (Topical Issue, "Exploring the Network of SDO Science")

http://sun.stanford.edu/~weiliu/research/publications/2014/2014SolPhy_Liu_Ofman_SDO-EUV-wave-review.pdf

A POSSIBLE DETECTION OF A FAST-MODE EXTREME ULTRAVIOLET WAVE ASSOCIATED WITH A MINI CORONAL MASS EJECTION OBSERVED BY THE SOLAR DYNAMICS OBSERVATORY

Ruisheng **Zheng**, Yunchun Jiang, Junchao Hong, Jiayan Yang, Yi Bi, Liheng Yang and Dan Yang

2011 ApJ 739 L39, **File**

2 Dec

Coronal upflows from edges of an active region observed with EUV Imaging Spectrometer onboard Hinode

Naomasa **Kitagawa**

PhD thesis, 2014

<http://arxiv.org/pdf/1411.4742v1.pdf>

4 Dec

Full Sun monochromatic images

Ignacio **Ugarte-Urra** and Harry Warren

Hinode EIS science nugget 28 Feb 2011

<http://msslxr.mssl.ucl.ac.uk:8080/SolarB/eisnuggets.jsp>

! 6 Dec – >16 UT: эрупция длиннущего ES волокна на SDO 304 A;

возмущение видно от из-за лимба до центра диска;

крупный CME на STEREO/COR2, LASCO; See Events!

http://www.lmsal.com/solarsoft/last_events/gev_20101206_1400.html

Kinematical evolution of large-scale EUV waves in the solar corona

G. **Mann**, A. Warmuth and H. Önel

A&A 675, A129 (2023)

<https://www.aanda.org/articles/aa/pdf/2023/07/aa46378-23.pdf>

Alternating Twist Along an Erupting Prominence

W. T. **Thompson**

Solar Physics, April 2013, Volume 283, Issue 2, pp 489-504

ROTATING MOTIONS AND MODELING OF THE ERUPTING SOLAR POLAR-CROWN PROMINENCE ON 2010 DECEMBER 6

Yingna **Su** and Adriaan van Ballegooijen

2013 ApJ 764 91

OBSERVATIONS AND MAGNETIC FIELD MODELING OF A SOLAR POLAR CROWN PROMINENCE

Yingna **Su** and Adriaan van Ballegooijen

2012 ApJ 757 168

8 Dec - >09 UT: Слабый LDE и эрупция из NE области, CME; See Events!

Local sunspot oscillations and umbral dots

Y. Zhugzhda, **R. Sych**

Research in Astronomy and Astrophysics (RAA) 2018

<https://arxiv.org/pdf/1804.03874.pdf>

Probing the Sunspot Atmosphere with Three-Minute Oscillations

Anastasiia **Deres**, Sergey Anfinogentov

Solar Physics January 2018, 293:2

<https://link.springer.com/content/pdf/10.1007%2Fs11207-017-1222-0.pdf>

Fine wave structure of umbral flashes

R. Sych, **M. Wang**

A&A 2017

<https://arxiv.org/pdf/1710.08100.pdf>

MHD waves in sunspots

Review

Robert **Sych**

Chapter in AGU Monograph 2015

<http://arxiv.org/pdf/1509.06466v1.pdf>

Wave dynamics in a sunspot umbra

Sych, R., Nakariakov, V.M.

A&A, 2014

http://www2.warwick.ac.uk/fac/sci/physics/research/cfsa/people/valery/research/eprints/sych_nakariakov_2014_rev3_140814_Print.pdf

Statistical Analysis of the Horizontal Divergent Flow in Emerging Solar Active Regions

Shin **Toriumi**, Keiji Hayashi, Takaaki Yokoyama

ApJ, 2014

<http://arxiv.org/pdf/1408.2383v1.pdf>

Multi-height observations of magnetoacoustic cut-off frequency in a sunspot atmosphere

D. **Yuan**^{1,2}, R. Sych^{2,3}, V. E. Reznikova⁴ and V. M. Nakariakov

A&A 561, A19 (2014)

THREE-MINUTE OSCILLATIONS ABOVE SUNSPOT UMBRA OBSERVED WITH THE SOLAR DYNAMICS OBSERVATORY/ATMOSPHERIC IMAGING ASSEMBLY AND NOBEYAMA RADIOHELIOGRAPH

V. E. [Reznikova](#)¹, K. Shibasaki¹, R. A. Sych^{2,3} and V. M. Nakariakov
2012 ApJ 746 119

10 Dec

Spatial structure of resonance cavities in sunspots

Robert [Sych](#), Xiaoshuai Zhu, Yao Chen, Fabao Yan
MNRAS Volume 529, Issue 2, April 2024, Pages 967–978,

<https://doi.org/10.1093/mnras/stae575>

<https://academic.oup.com/mnras/article-pdf/doi/10.1093/mnras/stae575/56900200/stae575.pdf>

Quantification of the Writhe Number of the Evolution of Solar Filament Axes

Zhenjun [Zhou](#) (周振军)^{1,2,3,4}, Chaowei Jiang⁵, Hongqiang Song⁶, Yuming Wang³, Yongqiang Hao¹, and Jun Cui¹

2023 ApJ 944 175

<https://iopscience.iop.org/article/10.3847/1538-4357/acb6f8/pdf>

The dynamics of 3-minute wavefronts and their relation to sunspot magnetic fields

[Robert Sych](#), [David B. Jess](#), [Jiangtao Su](#)

Royal Society Philosophical Transactions A 2020

<https://arxiv.org/pdf/2007.09369.pdf>

The Reversal of a Solar Prominence Rotation about Its Ascending Direction during a Failed Eruption

H. Q. [Song](#)¹, Z. J. Zhou², L. P. Li³, X. Cheng⁴, J. Zhang⁵, Y. Chen¹, C. X. Chen¹, X. W. Ma¹, B. Wang¹, and R. S. Zheng¹

2018 ApJL 864 L37

<http://sci-hub.tw/http://iopscience.iop.org/article/10.3847/2041-8213/aade49/meta>

Prominence and Filament Eruptions Observed by the Solar Dynamics Observatory: Statistical Properties, Kinematics, and [Online Catalog](#)

Patrick I. [McCauley](#), Yingna Su, Nicole Schanche, Kaitlin E. Evans, Chuan Su, Sean McKillop, Katharine K. Reeves

Solar Phys. 2015

<http://arxiv.org/pdf/1505.02090v1.pdf>

11 Dec

Direct observations of different sunspot waves influenced by umbral flashes

Aishawnniya [Sharma](#), [G. R. Gupta](#), [Durgesh Tripathi](#), [V. Kashyap](#), [Amit Pathak](#)

ApJ 2017

<https://arxiv.org/pdf/1710.08438.pdf>

Spectroscopic Observations of a Coronal Loop: Basic Physical Plasma Parameters Along the Full Loop Length

G. R. [Gupta](#), Durgesh Tripathi, Helen E. Mason

ApJ 2015

<http://arxiv.org/pdf/1412.7428v1.pdf>

12 Dec - >04 UT: Слабый LDE и SW эрупция аркады над каналом волокна с продолжением за SW-лимб (STEREO-A), крупный CME; See Events!

Хороший фильм LASCO/C3 для иллюстрации трех CMEs сразу (см. Chains)!

Forecasting the Structure and Orientation of Earthbound Coronal Mass Ejections

E. K. J. [Kilpua](#) [N. Lugaz](#) [L. Mays](#) [M. Temmer](#)

Space Weather 17 2019

<https://doi.org/10.1029/2018SW001944>

sci-hub.se/10.1029/2018SW001944

Space Weather Quarterly 16, issue 1, 6-30 2019

<https://agupubs.onlinelibrary.wiley.com/doi/epdf/10.1002/swq.21>

Three-Dimensional Evolution of Flux-Rope CMEs and Its Relation to the Local Orientation of the Heliospheric Current Sheet

A. [Isavnin](#), A. Vourlidas, E. K. J. Kilpua

Solar Phys., 2014, File

14 Dec - >15:30: Эрупция NW волокна и LDE C2.3 вспышка в АО 1133; хороший CME

Using SDO/AIA to Understand the Thermal Evolution of Solar Prominence Formation

Nicholeen M. [Viall](#), Therese A. Kucera, and Judith T. Karpen

Astrophysical Journal, 905:15 2020

<https://doi.org/10.3847/1538-4357/abc419>

<https://iopscience.iop.org/article/10.3847/1538-4357/abc419/pdf>

A STEREO Survey of Magnetic Cloud Coronal Mass Ejections Observed at Earth in 2008-2012

Brian E. [Wood](#), Chin-Chun Wu, Ronald P. Lepping, [Teresa Nieves-Chinchilla](#), [Russell A. Howard](#), [Mark G. Linton](#), [Dennis G. Socker](#)

Astrophysical Journal Supplement 2017 File

<https://arxiv.org/pdf/1701.01682v1.pdf>

CHALLENGING SOME CONTEMPORARY VIEWS OF CORONAL MASS EJECTIONS.

II. THE CASE FOR ABSENT FILAMENTS

T. A. [Howard](#)¹, C. E. DeForest¹, U. G. Schneck², and C. R. Alden

2017 ApJ 834 86 DOI 10.3847/1538-4357/834/1/86

<http://c.brightcove.com/article/10.3847/1538-4357/834/1/86/pdf>

<http://iopscience.iop.org/sci-hub.cc/0004-637X/834/1/86/>

15 Dec – 06:38 – C5.3 вспышка, **пересвет** на STEREO-B, $B=8^*2/281=0,057$

15 Dec

Solar Flare Irradiance: Observations and Physical Modeling

[Jeffrey W. Reep](#), [David E. Siskind](#), [Harry P. Warren](#)

ApJ 2021

<https://arxiv.org/pdf/2110.06310.pdf>

Height of Shock Formation in the Solar Corona Inferred from Observations of Type II Radio Bursts and Coronal Mass Ejections

N. [Gopalswamy](#), H. Xie, P. Makela, S. Yashiro, S. Akiyama, W. Uddin., A. K. Srivastava, N. C. Joshi, R. Chandra, P. K. Manoharan, K. Mahalakshmi, V. C. Dwivedi, R. Jain and A. K. Awasthi, N. V. Nitta, M. J. Aschwanden, D. P. Choudhary

E-print, Jan 2013; Adv. Space Res.

16 Dec - >08: Эрупция N волокна, тень на SDO 304 A

19 Dec

Two Types of Long-duration Quasi-static Evolution of Solar Filaments

[Chen Xing](#), [Haochuan Li](#), [Bei Jiang](#), [Xin Cheng](#), [M. D. Ding](#)

ApJL 2018

<https://arxiv.org/pdf/1804.01232.pdf>

21 Dec, >02: Эрупция NE волокна; видна на фильме Nobe; CME; нет данных SDO, пропуск на PROBA; See Events

Predicting the Geoeffectiveness of CMEs Using Machine Learning

[Andreea-Clara Pricopi](#), [Alin Razvan Paraschiv](#), [Diana Besliu-Ionescu](#), [Anca-Nicoleta Marginean](#)

ApJ 2022

<https://arxiv.org/pdf/2206.11472.pdf>

22 Dec

Is There a Dynamic Difference between Stealthy and Standard Coronal Mass Ejections?

Beili [Ying](#)¹, Alessandro Bemporad^{2,1}, Li Feng^{1,3}, Nariaki V. Nitta⁴, and Weiqun Gan^{1,3}

2023 ApJ 942 3

<https://iopscience.iop.org/article/10.3847/1538-4357/aca52c/pdf>

23 Dec

Dynamics of solar Coronal Mass Ejections: forces that impact their propagation

Nishtha [Sachdeva](#)

Ph.D. Thesis 2019

<https://arxiv.org/pdf/1907.12673.pdf>

23-28 Dec

Earth-Affecting Coronal Mass Ejections Without Obvious Low Coronal Signatures

Nariaki V. [Nitta](#), Tamitha Mulligan

[Solar Physics](#) September 2017, 292:125 File

24-26 Dec

Statistical Analysis of the Horizontal Divergent Flow in Emerging Solar Active Regions

Shin [Toriumi](#), Keiji Hayashi, Takaaki Yokoyama

ApJ, 2014

<http://arxiv.org/pdf/1408.2383v1.pdf>

28 Dec

http://solar.gmu.edu/heliophysics/index.php/The_ISEST_Event_List

30 Dec

Evidence of Twisted Flux-Tube Emergence in Active Regions

M. [Poisson](#), C. H. Mandrini, P. Démoulin, M. López Fuentes

Solar Physics March 2015, Volume 290, Issue 3, pp 727-751

<http://arxiv.org/pdf/1505.01805v1.pdf>

31 Dec

Magnetic flux supplement to coronal bright points

Chaozhou [Mou](#), Zhenghua Huang, Lidong Xia, Maria S. Madjarska, Bo Li, Hui Fu, Fangran Jiao,

Zhenyong Hou

ApJ 2015

<http://arxiv.org/pdf/1511.09215v1.pdf>

Height of Shock Formation in the Solar Corona Inferred from Observations of Type II Radio Bursts and Coronal Mass Ejections

N. [Gopalswamy](#), H. Xie, P. Makela, S. Yashiro, S. Akiyama, W. Uddin., A. K. Srivastava, N. C. Joshi, R. Chandra, P. K. Manoharan, K. Mahalakshmi, V. C. Dwivedi, R. Jain and A. K. Awasthi, N. V. Nitta, M. J. Aschwanden, D. P. Choudhary
E-print, Jan **2013**; Adv. Space Res.