

Scientific Event Report

E Research in Astrophysics from Space

E2.2 Formation, Destabilization, and Ejection of Magnetic Structures in Solar and Stellar Coronae

Main Scientific Organizer *Schmieder, Brigitte*

Deputy Organizer *Fan, Yuhong*

Filament: channel, formation, model

Chair: Schmieder, Brigitte

Date: Tue, Aug 02, 2016. Room: 3B60

E2.2-0001-16 14:00 - 14:30 (solicited)

Large-Scale Patterns of Filament Channels and Filaments

Mackay, Duncan

E2.2-0002-16 14:30 - 15:00 (solicited)

Formation of Prominences and Dynamics Before Eruption

Luna, Manuel

E2.2-0003-16 15:00 - 15:30 (solicited)

Observational Constraints on Stellar Flares and Prominences

Aarnio, Alicia

Prominence/filament dynamics (part1)

Chair: Fan, Yuhong

Date: Tue, Aug 02, 2016. Room: 3B60

E2.2-0004-16 17:00 - 17:30

Automated detection, characterization, and tracking of filaments from SDO data

Buchlin, Eric; Mercier, Claude; Vial, Jean-Claude

E2.2-0005-16 17:30 - 17:45

Tornados and Transverse Oscillations during Prominence Eruption

Banerjee, Dipankar; Pant, Vaibhav; Datta, Ajanta; Morton, Richard; Chandrashekhar, K

E2.2-0006-16 17:45 - 18:05

Large Amplitude Oscillations in Prominences

Luna, Manuel

E2.2-0007-16 18:05 - 18:25

MHD simulation of the initiation of the 2006 December 13 coronal mass ejection in AR 10930: the structure of the erupting flux rope

Fan, Yuhong

Prominence/filament dynamics (part 2)

Chair: Dasso, Sergio

Date: Wed, Aug 03, 2016. Room: 3B60

E2.2-0008-16 09:30 - 09:50

Prominence plasma and magnetic field structure - A coordinated observation with IRIS, Hinode and THEMIS

Schmieder, Brigitte; Levens, Peter; Labrosse, Nicolas; Lopez Ariste, Arturo

E2.2-0009-16 09:50 - 10:20 (solicited)

Cool and hot flux ropes, their helicity

Nindos, Alexander

E2.2-0010-16 10:20 - 10:40

Magnetic Flux Rope Shredding by Quasi-Separatrix Layers: The Detrimental Effects of Magnetic Topology on Solar Eruptions

Chintzoglou, Georgios; Vourlidis, Angelos; Savcheva, Antonia; Tassev, Svetlin; Stenborg, Guillermo; Tun Beltran, Samuel

E2.2-0011-16 10:40 - 11:00

Lifecycle of a large-scale polar coronal pseudostreamer/cavity system

Guenou, Chloé; Rachmeler, Laurel; Seaton, Daniel; Auchere, Frederic

MHD simulations

Chair: Nindos, Alexander

Date: Wed, Aug 03, 2016. Room: 3B60

E2.2-0012-16 11:30 - 11:50

Simulations of the Kelvin-Helmholtz instability driven by CMEs

Gomez, Daniel; DeLuca, Edward; Mininni, Pablo

E2.2-0013-16 11:50 - 12:05

Observations of Magnetic Flux-rope Oscillation During the Precursor Phase of a Solar Eruption

Zhou, Guiping; Zhang, Jie

E2.2-0014-16 12:05 - 12:35 (solicited)

Manifestation of Coronal Mass Ejections near Earth: A review

Dasso, Sergio; Masías-Meza, Jimmy J.; Demoulin, Pascal; Janvier, Miho; Rodriguez, Luciano

E2.2-0015-16 12:35 - 12:55

Prominence material embedded in coronal mass ejections as observed with the LASCO-C2 coronagraph using polarization diagnostic

Lamy, Philippe; Boclet, Brice; Koutchmy, Serge

CMEs and solar corona

Chair: Fan, Yuhong

Date: Wed, Aug 03, 2016. Room: 3B60

E2.2-0016-16 (WITHDRAWN) 14:00 - 14:20

Onset time of eruptive filaments and associated CMEs

Srivastava, Nandita

E2.2-0017-16 (WITHDRAWN) 14:20 - 14:50 (solicited)

Formation and Destabilization of Eruptive Structures on the Sun

Torok, Tibor

E2.2-0018-16 (WITHDRAWN) 14:50 - 15:10

Large Filament Eruption and Flares in Neighbouring AR 11817

Joshi, Anand; Yurchyshyn, Vasyl; Cho, Kyungsuk

CMEs and stellar coronae

Chair: Hussain, Gaitee

Date: Wed, Aug 03, 2016. Room: 3B60

E2.2-0019-16 (WITHDRAWN) 17:00 - 17:30 (solicited)

Hot erupting prominences in cores of CME's

Heinzel, Petr; Susino, Roberto; Jecic, Sonja; Bemporad, Alessandro; Anzer, Ulrich

E2.2-0020-16 (WITHDRAWN) 17:30 - 17:45

Can 3D whole-prominence fine structure model be used for assessment of the prominence plasma mass and distribution prior to the onset of CMEs?

Gunár, Stanislav; Mackay, Duncan; Heinzl, Petr; Anzer, Ulrich

E2.2-0021-16 (WITHDRAWN) 17:45 - 18:15 (solicited)

A Framework for Finding and Interpreting Stellar Coronal Mass Ejections

Osten, Rachel

E2.2-0022-16 (WITHDRAWN) 18:15 - 18:30

Data-Driven Magnetohydrodynamic Modeling of a Flux-Emerging Active Region Leading to Solar Eruption

Jiang, Chaowei; Wu, Shi; Feng, Xueshang; Hu, Qiang

Poster Program

Author in Attendance: Sunday, 15:30 - 17:00, Poster area: B1 Poster Area

STW = Sunday, Tuesday, Wednesday / TFS = Thursday, Friday, Saturday

STW-310 E2.2-0024-16

New Observations of a low-mass X-ray binary system PSR J1023+0038

Içli, Tuğçe; Yakut, Kadri

STW-311 E2.2-0025-16

Magnetic fields and nonthermal electromagnetic radiation of stars

Kryvdyk, Volodymyr

STW-312 E2.2-0026-16

Excited collective states of heavy even-even nuclei in astrophysical processes

Yuldasheva, Guzal

Poster Program

Author in Attendance: Tuesday, 15:30 - 17:00, Poster area: B1 Poster Area

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Poster Program

Author in Attendance: Wednesday, 15:30 - 17:00, Poster area: B1 Poster Area

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