

# Scientific Event Report

## **E**                                      **Research in Astrophysics from Space**

### **E2.4**                                      **Multiwavelength Observations and Simulations of Solar and Stellar Flares**

Main Scientific Organizer    *Harra, Louise K.*

Deputy Organizer              *Heinzel, Petr*

Chair: Baker, Deborah

Date: Fri, Aug 05, 2016. Room: 3B60

#### **E2.4-0001-16 (WITHDRAWN) 09:30 - 10:00 (solicited)**

##### **Energy Partition in Stellar Flares, and a Case Study of Two Stellar Superflares**

*Osten, Rachel*

#### **E2.4-0002-16 (WITHDRAWN) 10:00 - 10:15**

##### **Flare Stars Across the H-R Diagram**

*Balona, Luis*

#### **E2.4-0003-16 (WITHDRAWN) 10:15 - 10:30**

##### **Hydrogen Lyman line ratios observed during solar flares**

*Kennedy, Michael*

#### **E2.4-0004-16 (WITHDRAWN) 10:30 - 10:45**

##### **The characteristics of solar X-class flares: a paradigm for stellar superflares?**

*Harra, Louise K.* Team: ISSI solar-stellar team

#### **E2.4-0005-16 (WITHDRAWN) 10:45 - 11:00**

##### **Photospheric continuum enhancement during an X6.9 flare of August 09, 2011: Flare and plage contribution**

*Awasthi, Arun Kumar*; Berlicki, Arkadiusz; Heinzel, Petr; Sobotka, Michal

Chair: Harra, Louise K.

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#### **E2.4-0006-16 (WITHDRAWN) 11:30 - 12:00 (solicited)**

##### **Superflares and starspot activity on solar-type stars**

*Maehara, Hiroyuki*; Notsu, Yuta; Notsu, Shota; Shibayama, Takuya; Honda, Satoshi; Nogami, Daisaku; Shibata, Kazunari

#### **E2.4-0007-16 (WITHDRAWN) 12:00 - 12:15**

##### **A complex behavior of solar and stellar chromospheric flares: Observations and modeling**

*Heinzel, Petr*

#### **E2.4-0008-16 (WITHDRAWN) 12:15 - 12:30**

##### **Magnetic Reconnection Rates in Large Solar Flares**

*Jain, Rajmal*; Patel, Ashish; Awasthi, Arun Kumar; Pithadia, Manisha; Patel, Heta

#### **E2.4-0009-16 (WITHDRAWN) 12:30 - 12:45**

##### **Superflares and Flaring History of Old Halo G and K Dwarfs**

*Peterson, Ruth*

#### **E2.4-0010-16 (WITHDRAWN) 12:45 - 13:00**

##### **Polarized emission from solar flares observed by POEMAS at 45 and 90 GHz**

*Valio, Adriana*; Silva, Douglas

Chair: Toriumi, Shin  
Date: Fri, Aug 05, 2016. Room: 3B60

**E2.4-0011-16 (WITHDRAWN) 14:00 - 14:30 (solicited)**

**Statistical Properties and Numerical Modeling of Flaring Active Regions**

*Toriumi, Shin*

**E2.4-0012-16 14:30 - 14:45**

**Non-symmetrical profiles of the C IV 1548Å and 1550Å lines for small dynamic events and their interpretation in terms of resonant scattering in solar active region**

*Gontikakis, Costis; Vial, Jean-Claude*

**E2.4-0013-16 (WITHDRAWN) 14:45 - 15:00**

**Electron temperature measurements from hydrogen and helium continua colour temperatures**

*Kennedy, Michael*

**E2.4-0014-16 (WITHDRAWN) 15:00 - 15:15**

**Solar Flare Observations of 3 Nov. 2011 with Field Integral Spectroscopy in H-alpha Spectra and SDO**

*Suematsu, Yoshinori*

**E2.4-0015-16 (WITHDRAWN) 15:15 - 15:30**

**Modeling the 2014-March-29 X1.0 flare and Comparison with IRIS and DST/IBIS Observations**

*Rubio Da Costa, Fatima; Kleint, Lucia; Sainz-Dalda, Alberto; Liu, Wei; Petrosian, Vahe*

Chair: Melnikov, Victor  
Date: Fri, Aug 05, 2016. Room: 3B60

**E2.4-0016-16 (WITHDRAWN) 17:00 - 17:30 (solicited)**

**Determination of the Characteristics of the Particle Acceleration Mechanism(s) in Solar Flares and Elsewhere**

*Petrosian, Vahe*

**E2.4-0017-16 17:30 - 17:45**

**Energetic electrons and photospheric electric currents during solar flares**

*Musset, Sophie; Vilmer, Nicole; Bommier, Veronique*

**E2.4-0018-16 (WITHDRAWN) 17:45 - 18:00**

**IRIS observations and modeling of MgII flare loops**

*Heinzel, Petr; Berlicki, Arkadiusz; Mikula, Katarzyna; Liu, Wenjuan*

**E2.4-0019-16 (WITHDRAWN) 18:00 - 18:15**

**Coronal extension of the MURaM radiative MHD code: From quiet sun to flare simulations**

*Rempel, Matthias; Cheung, Mark*

**E2.4-0020-16 (WITHDRAWN) 18:15 - 18:30**

**Spectroscopic signatures related to sunquakes**

*Matthews, Sarah A.; Baker, Deborah; Zharkov, Sergei; Green, Lucie M.; Ryan, Jamie; Macrae, Connor; Harra, Louise K.*

Chair: Kennedy, Michael  
Date: Sat, Aug 06, 2016. Room: 3B60

**E2.4-0021-16 (WITHDRAWN) 09:30 - 10:00 (solicited)**

**Combining observations, extrapolations and 3D numerical simulations for solar flare modelling**

*Janvier, Miho; Savcheva, Antonia; Pariat, Etienne*

**E2.4-0022-16 (WITHDRAWN) 10:00 - 10:15**

**Directivity of X-ray and gamma-ray emission: predictions for stereoscopic and high spatial resolution observations**

*Melnikov, Victor; Charikov, Yuri; Kudryavtsev, Igor*

**E2.4-0023-16 (WITHDRAWN) 10:15 - 10:30**

**Solar Flares THz Photometers on a Stratospheric Trans-Antarctic Balloon Flight**

*Kaufmann, Pierre* Team: The SOLAR-T Team

**E2.4-0024-16 (WITHDRAWN) 10:30 - 10:45**

**Differential emission measure distribution and thermal characteristics of a B8.3 flare on July 04, 2009**

*Awasthi, Arun Kumar; Sylwester, Janusz; Sylwester, Barbara*

**E2.4-0025-16 10:45 - 11:00**

**A method to search for solar flares jointly observed by multiple instruments.**

*Milligan, Ryan*

Chair: Janvier, Miho

Date: Sat, Aug 06, 2016. Room: 3B60

**E2.4-0026-16 11:30 - 12:00 (solicited)**

**Multi-wavelength Solar Flare Observations with Ground- and Space-based Observatories**

*Kleint, Lucia*

**E2.4-0027-16 (WITHDRAWN) 12:00 - 12:15**

**Comparing Dynamics in Eruptive and Non-Eruptive Flares**

*Nitta, Nariaki; Tarbell, Theodore; Slater, Gregory; Frank, Zoe*

**E2.4-0028-16 12:15 - 12:30**

**Solar Neutrino flare detection in Hyperkamiokande and SK**

*Fargion, Daniele*

**E2.4-0029-16 (WITHDRAWN) 12:30 - 12:45**

**Soft and Hard X-Ray Emission Periodicities in the Solar Corona**

*Jain, Rajmal; Awasthi, Arun Kumar; Mirtoshev, Zavkiddin; Pithadia, Manisha*

**E2.4-0030-16 12:45 - 13:00**

**Solar Aurora and a White Light Flare**

*Haerendel, Gerhard*

**Poster Program**

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