

There are no translations available.

Scientific sessions

- The Solar Photosphere - Theory and Observations
- The Chromosphere - Link between the Photosphere and Corona
- Eruptive Processes, CME's and Energetic Particles
- Solar-terrestrial Connection and the Heliosphere
- Observing Techniques, Data Analysis and Archives

Preliminary programme

Sunday, September 2, 2012

18:00 Registration

Monday, September 3, 2012

8:00 Registration

8:30 Opening

The solar photosphere – theory and observations I □ chairperson: E.W. Cliver

9:00 Burtschell: Regularities in the distribution of solar magnetic fields (

9:30 Utz, J. Jurcak, L. Bellot-Rubiol, S. Thonhofer, A. Hanslmeier, A. Veronig, R. Muller, B. Lemmerer

9:50 Balogh et al.: Properties of a decaying sunspot

10:10 M. Sobotka, M. Svanda, J. Jurcak, D. Del Moro: Atmosphere above a light bridge

10:30 - 11:10 Reomplexes of active regions as basic source SPE with large and extreme particle fl

11:00 - 11:30 Break

The solar photosphere – theory and observations II □ chairperson: M. Sobotka

11:30 Kotsopoulos, T. Baranyi, A. Ludmány: Study of sunspot group morphological variations leading to fl

11:50 Lemmerer, D. Utz, A. Hanslmeier, H. Grimm-Stehle, A. Veronig, S. Thonhofer, H. Muthsam

16:00 COMESOP* activities

The solar photosphere – theory and observations III □ chairperson: A. Ludmány

17:00 W. Cliver and Svalgaard: Reconciling International and Group sunspot numbers (

17:30 Georgieva, Y. Nagovitsyn, B. Kirov: Long-term variations in sunspot magnetic fields

17:50 Svanda: An average supergranule: much larger vertical flows than expected

18:10 Gyenge, T. Baranyi, A. Ludmany: Variations of non-axisymmetric activity
19:00 HEROES** activities

20:00 Welcome reception

Tuesday, September 4, 2012

The chromosphere – link between the photosphere and corona I

Chairperson: B. Vršnak
9:00 Beník, P. Heinzel, E.H. Avrett, M. Herlender: Modelling of Ellerman bombs based on spectropolarimetry
9:20 Kotrč, M. Barta, J.A. Kupryakov: On a signature of a flux-rope formation by spinning motions in the solar atmosphere
9:40 N. Tsanova and P.A. Bespalov: Large-scale perturbations near the solar atmosphere transition region
10:00 Dulek, G. Aulanier, B. Schmieder, M. Zapior, P. Heinzel: Magnetic structure and topology of quiet solar regions
10:20 Kotrč, Suetterlin, P. Gasmasry, J. Rybak, A. Kučera: Search for Alfvén waves and shocks in the solar chromosphere
10:40 Zapior, P. Rudawy: Estimation of magnetic field in solar prominences based on spatial motions
11:00 offset 1h break

The chromosphere – link between the photosphere and corona II

Chairperson: A. Kučera
11:30 Schmieder, P. Heinzel, P. Kotrč, Yu. A. Kupryakov: The total mass of several prominences estimated from their apparent motion
11:50 Zapior, P. Kotrč: Simultaneous observations of solar prominence oscillations using two telescopes
12:10 Balázs, S. Gibson, Y. Fan, C. Bethge, L. Rachmeler, B. Forland: Twisted bunny heads effect
12:30 Wiehr, G. Stellmacher, R. Ramelli, M. Bianda: The hot skin of solar prominences
12:50 Curdt, H. Tian: Explosive Events - Swirling Chromospheric Jets

16:00 HEROES activities

Observing techniques, data analysis and archives

Chairperson: P. Kotrč
17:00 Brázdil, A. Benz, M. Shimojo, M. Karlicky, L. Testi, R. Mauersberger, A. Hales, M. Temmer: Solar observations with PROBA2/L2
17:20 E. Däppen, M. Dominique, M. Kretzschmar: Two years of solar observations with PROBA2/L2
17:40 Heilig, S. Gunar, A. Berlicky, N. Labrosse, S. Jejčić : Use of a new generation of space-born instruments for solar physics
18:00 N. Zhdanov, F. Auchere, S. Parenti, and the SIGMA consortium: SIGMA: a new space mission to study the Sun
18:20 Gyergyócska: A robust model for determining the solar limb

Wednesday, September 5, 2012

Eruptive processes, CMEs and energetic particles I

Chairperson: M. Karlicky
9:00 Ya. Zlotnik, V. Zaitsev, A.T. Altynsev: Polarization of zebra pattern in solar radio emission (Russia)
9:30 Kadić, M. Bárta, K. Jirička: Fragmented reconnection and narrowband decimetric spikes (Croatia)
10:00 S. Solntsev, L.K. Kashapova: Using parametric diagrams constructed from microwave data for studying solar flares (Russia)
10:30 A. Zhdanov, L.K. Kashapova, V.G. Zandanov: Quasi-periodic radio pulsations in the solar flare (Russia)
10:40 Mitkov, K.-L. Klein, S. Samwel, G. Trottet: Solar energetic particles and parent solar activity during flares (Germany)
11:00 offset 1h break

Eruptive processes, CMEs and energetic particles II

Chairperson: E.Ya. Zlotnik
11:30 M. Bogod, T.I. Kaltman, L. Yasnov: The properties of the microwave source located above the耀斑 (Russia)
11:50 12:10 Mrozek, S. Kolomanski, A. Netzel: HXR sources during the failed eruptions of filaments: observational results (Poland)
12:30 Gang, S. et. al.: Magnetic “reconnection” in the solar corona (China)
12:50 Kdziarski, T. Mrozek: Loop-top sources of flares-squeezing information from RHESSI and SDI (Poland)

Eruptive processes, CMEs and energetic particles III chairperson: A. Veronig

- 16:00 Sylwester, J. Sylwester, M. Siarkowski, T. Mrozek, K.J.H. Phillips: Physical characteristics of solar flares
16:20 Sylwester, B. Sylwester, A. Kepa: Review of RESIK X-ray spectra database
16:40 Waltham, G. Mann; The energy budget of solar flares derived from X-ray spectroscopy and imaging
17:00 V. Prozovetsky, A.A. Kochanov: Closed magnetic flux at coronal holes bounderies
17:20 Dzifcakova, M. Karlicky, J. Dudik: Electron distributions and the soft-x ray line intensities

18:00 Visit to the Observatory

Thursday, September 6, 2012

Eruptive processes, CMEs and energetic particles IV Chairperson: J. Sylwester

- 9:00 Vašáková, M. Karlicky) Z. Moravec, J. Kashapova: The thick target model and its modifications
9:30 K. Kashapova, G.V. Rudenko, S.K. Tokhchukova, V.M. Bogod, A.A. Muratov: On the possible mechanism of CME initiation
9:50 A. Veronig, P. Gomory, I. Kienreich, N. Muhr, B. Vršnak, M. Temmer, H.P. Warren: Plasma diagnostics of CMEs
10:10 Lühr, M.: Magnetic structure of Coronal Mass Ejections
10:30 Rolffes, M. Temmer, C. Moestl, A. Veronig, N. Lugaz, U. Moestl: Assessing a new method for determining CME properties
10:50 1:10 M. Temmer, T. Rollet, C. Moestl, B. Vršnak, A. Veronig: Propagation of CMEs in IP space

11:00 offset 1h40m

Eruptive processes, CMEs and energetic particles V chairperson: A. Warmuth

- 11:40 Magdalenić, C. Marque, M. Mierla, L. Rodgríuez, A. Zhukov: Tracking the CME-driven shock wave
12:00 12:20 Safari: An automatic detection method for extreme ultraviolet mini CMEs
12:20 Beliaev, A. Temmer, A. Vourlidas, A. Veronig: CME kinematics and “true” mass evolutions
12:40 Einstädler, V.G., Egorov Ya.I.: Study of CME properties with using AIA/SDO and SWAP/PROBA2 observations
13:00 13:20 Vybornov, M. Livshits, L. Kashapova: The observational effects from large flares on the Earth

16:00 HEROES activities

Eruptive processes, CMEs and energetic particles VI chairperson: P. Heinzel

- 17:00 Tomczak, Two solar flares that became X-ray plasma ejections
17:20 Głogowska, M. Tomczak, M. Mrozek: Simultaneous Yohkoh/SXT and TRACE observations of CMEs
17:40 Mócsy, J. Kasapova, M. Varady, M. Karlicky: Formation of hydrogen Balmer lines in a twisted magnetic field
18:00 Moes, M. Temmer, A. Veronig: Observations and preliminary MHD simulations of the Kelvin-Helmholtz instability
18:20 Gibson, J. Raymond, A. Ciaravella, R. Suleiman, Y.-K. Ko: UVCS/SoHO catalog of CMEs from 1996 to 2001
18:40 Lühr, Vrsnak, T. Zic, I.W. Kienreich, N. Muhr, M. Temmer, A.M. Veronig: Formation and evolution of CMEs
19:00 COMESDP activities

Friday, September 7, 2012

Solar – terrestrial connections and the heliosphere I chairperson: A. Hanslmeier

- 9:00 S. Nikolaeva, Yu. I. Yermolaev, I.G. Lodkina: The development of magnetic storms in dependence on the CME parameters
9:20 I. Yermolaev, N.S. Nikolaeva, I.G. Lodkina, M.Y. Yermolaev: Solar and interplanetary drivers of geomagnetic activity
9:40 Đurić et al.: Forecasting of geomagnetic activity caused by Coronal Mass Ejections
10:00 Moga, O.V. Kozyreva : Outer Earth's radiation belt electrons and ULF-activity dynamics caused by CMEs
10:20 Heber, N. Dresing, W. Droege, R. Gomez-Herrero, K. Herbst, Y. Kartavykh, A. Klassen, J. Laberg: Effects of hysteresis between maximum CME speed index and geomagnetic activity index

11:00-11:30
break

Solar-terrestrial connections and the heliosphere II
chairperson: A. Ozguc

- 11:30-12:00 A. Veronig, M. Temmer, D. Odstrcil: Comparison of MHD simulations of the solar wind
11:50-12:30 C. Abrevaya, A. Hanslmeier, M. Leitzinger, P. Odert, A. Buccino, P. Mauas: UV radiation of
12:10-12:30 G. Galimovic: Testing a link between cosmic rays, solar irradiance and cloudiness over short times

16:00-17:00 CoMP activities

17:00-18:00 HEROES activities

21:00 wine and cheese in a Dalmatian konoba

*COronal Mass Ejections and Study of Energetic Particles is an EC FP7 project

** Environment for Human Exploration and RObotic Experimentation in Space is an EC FP7 project

List of Posters

- Abbas Abedini: Slow Mode Oscillations of Solar Coronal loops
- Pavel Ambroz: Horizontal velocities in solar filament channel
- Peter Gomory: Chromospheric evidences of a small-scale loop emergence
- Bernd Heber: Simultaneous Analysis of Recurrent Jovian Electron Increases and Galactic Cosmic Ray Decreases
 - Boian Kirov: 200-year cycle in solar asymmetry
 - Pavel Kotrc: On the flat-shape emission in the post-eruptive phase of the solar flare on 7th June 2012
 - Ales Kucera: Coronal Multi-channel Polarimeter (CoMP-S) at Lomnicki Stit Observatory in Slovakia
 - Salvatore Mancuso: Constraining the radius of the source surface in PFSS models through Faraday rotation observations
 - Zdenek Moravec: Formation of hydrogen Balmer lines in a twisted flare loop
 - Judit Murakozky: Study of the decay of sunspots and sunspot groups
 - Oana Stere: Correlation between ICME parameters and the geomagnetic storms
 - Elvira Suyunova: On High Precision Imaging Linear Polarimetry in Prominences
 - Stefan Thonhofer: Creating 3-dimensional Models of the Photosphere using the SIR Code for the investigation of small-scale magnetic fields - First results and Outlook
 - Lidia vanDriel-Gesztelyi: Observations and modeling of magnetic reconnection driven by CME expansion
 - Lidia vanDriel-Gesztelyi: Plasma outflows from active regions: are they sources of the slow solar wind?
 - Alina Vishneva: Research of time-dependent 3-D parameters of halo coronal mass ejections with various velocities

