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 – 19:00 Registration

Monday, September 3, 2012

8:00 – 8:30 Registration

8:30 – 9:00 Opening

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

9:00 – 9:30 O. Burtseva: *Regular* variations in the distribution of solar magnetic fields (

9:30 – 9:50 M. Utz, J. Jurcak, L.Bellot-Rubiol, S. Thonhofer, A. Hanslmeier, A. Veronig, R. Muller, B. Lemmere

9:50 – 10:10 P. Balthasar et al.: Properties of a decaying sunspot

10:10 – 10:30 M. Sobotka, M. Svanda, J. Jurcak, D. Del Moro: Atmosphere above a light bridge

10:30 – 11:00 V. Nikolaev: *Recurrent* complexes of active regions as basic source SPE with large and extreme particle flu

11:00 – 11:30 Coffee break

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

11:30 – 11:50 K. Kis, T. Baranyi, A. Ludmany: Study of sunspot group morphological variations leading to fla

11:50 – 12:30 E. Lemmerer, D. Utz, A. Hanslmeier, H. Grimm-Stehle, A. Veronig, S. Thonhofer, H. Muthsam

16:00 – 17:30 COMESEP* activities

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

17:00 – 17:30 E.W. Cliver and *L.* Svalgaard: Reconciling International and Group sunspot numbers (

17:30 – 17:50 G. Gerasimova, Y. Nagovitsyn, B. Kirov: Long-term variations in sunspot magnetic fields

17:50 – 18:10 M. Svanda: An average supergranule: much larger vertical flows than expected

18:10 – 18:30 G. Gyergo, T. Baranyi, A. Ludmany: Variations of non-axisymmetric activity
19:00 – 20:00 HEPROES** activities

20:00 Welcome reception

Tuesday, September 4, 2012

The chromosphere – link between the photosphere and corona I Chairperson: B. Vršnak

9:00 – 9:20 P. Berlicki, P. Heinzel, E.H. Avrett, M. Herlender: Modelling of Ellerman bombs based on spectrop
9:20 – 9:40 P. Kotrč, M. Barta, J.A. Kupryakov: On a signature of a flux-rope formation by spinning motions in
9:40 – 10:00 N. Shchukina and P.A. Bespalov: Large-scale perturbations near the solar atmosphere transition re
10:00 – 10:20 D. Utz, G. Aulanier, B. Schmieder, M. Zapior, P. Heinzel: Magnetic structure and topolagy of qui
10:20 – 10:40 K. Kozarev, P. Suetterlin, P. Gasmasry, J. Rybak, A. Kučera: Search for Alfven waves and shocks in
10:40 – 11:00 M. Zapior, P. Rudawy: Estimation of magnetic field in solar prominences based on spatial motions
11:00 – 11:30 coffee break

The chromosphere – link between the photosphere and corona II chairperson: A. Kuče

11:30 – 11:50 M. Schwarz, P. Heinzel, P. Kotrč, Yu. A. Kupryakov: The total mass of several prominences estima
11:50 – 12:10 M. Zapior, P. Kotrč: Simultaneous observations of solar prominence oscillations using two tele
12:10 – 12:30 B. Balthasar, S. Gibson, Y. Fan, C. Bethge, L. Rachmeler, B. Forland: Twisted bunny heads e
12:30 – 12:50 W. Liu, G. Stellmacher, R. Ramelli, M. Bianda: The hot skin of solar prominences
12:50 – 13:10 M. Curdt, H. Tian: Explosive Events - Swirling Chromospheric Jets

16:00 – 17:00 HEPROES activities

Observing techniques, data analysis and archives I chairperson: P. Kotrč

17:00 – 17:20 R. Brajša, A. Benz, M.Shimojo, M. Karlicky, L. Testi, R. Mauersberger, A. Hales, M. Temmer: Sola
17:20 – 17:40 E. Dammasch, M. Dominique, M. Kretzschmar: Two years of solar observations with PROBA2/L
17:40 – 18:00 P. Heinzel, S. Gunar, A. Berlicky, N. Labrosse, S. Jejčič : Use of a new generation of space-born
18:00 – 18:20 N. Gorkov, F. Auchere, S. Parenti, and the SIGMA consortium: SIGMA: a new space mission to
18:20 – 18:40 G. Gyergy: A robust model for determining the solar limb

Wednesday, September 5, 2012

Eruptive processes, CMEs and energetic particles I chairperson: M. Karlicky

9:00 – 9:20 E.Ya. Zlotnik, V.V. Zaitsev, A.T. Altynsev: Polarization of zebra pattern in solar radio emission (
9:30 – 10:00 M. Karlicky, M. Barta, K. Jirička: Fragmented reconnection and narrowband decimetric spikes (
10:00 – 10:20 T.S. Bastian, L.K. Kashapova: Using parametric diagrams constructed from microwave data for stu
10:20 – 10:40 A. Altynov, L.K. Kashapova, V.G. Zandanov: Quasi-periodic radio pulsations in the solar flare
10:40 – 11:00 P. Miteva, K.-L. Klein, S. Samwel, G. Trottet: Solar energetic particles and parent solar activity du
11:00 – 11:30 coffee break

Eruptive processes, CMEs and energetic particles II chairperson: E.Ya. Zlotnik

11:30 – 11:50 M. Bogod, T.I. Kaltman, L. Yasnov: The properties of the microwave source located above the r
11:50 – 12:10 T. Mrozek, S. Kolomanski, A. Netzel: HXR sources during the failed eruptions of filaments: ob
12:10 – 12:30 Wang et. al.: Magnetic “reconnection” in the solar corona
12:30 – 12:50 S. Kolomanski, T. Mrozek: Loop-top sources of flares-squeezing information from RHESSI and SD

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

16:00 – 16:20 Sylwester, J. Sylwester, M. Siarkowski, T. Mrozek, K.J.H. Phillips: Physical characteristics of se
16:20 – 16:40 Sylwester,B. Sylwester, A. Kepa: Review of RESIK X-ray spectra database
16:40 – 17:00 Warmuth, G. Mann; The energy budget of solar flares derived from X-ray spectroscopy and ima
17:00 – 17:20 V. Prosovetsky, A.A. Kochanov: Closed magnetic flux at coronal holes bounderies
17:20 – 17:40 Dzifčáková, 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 – 9:30 Varady, M. Karlicky) Z. Moravec, J. Kashapova: The thick target model and its modifications (
9:30 – 9:50 K. Kashapova, G.V. Rudenko, S.K. Tokhchukova, V.M. Bogod, A.A. Muratov: On the possible m
9:50 – 10:10 A. Veronig, P. Gomory, I. Kienreich, N. Muhr, B. Vršnak, M Temmer, H.P. Warren: Plasma diag
10:10 – 10:30 Lyubchov: Magnetic structure of Coronal Mass Ejections
10:30 – 10:50 Rollet, M. Temmer, C. Moestl, A. Veronig, N. Lugaz. U. Moestl: Assesing a new method for der
10:50 – 11:10
M. Temmer, T. Rollet, C. Moestl, B. Vršnak, A. Veronig: Propagation of CMEs in IP space
11:10 – 11:40 coffee break

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

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

16:00 – 17:00 HESPERIA/COMESEP activities

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

17:00 – 17:20 Tomczak: Two solar flares that became X-ray plasma ejections
17:20 – 17:40 Chmielewska, M. Tomczak, M. Mrozek: Simultaneous Yohkoh/SXT and TRACE observatons o
17:40 – 18:00 Moravec, J. Kasapova, M. Varady. M. Karlicky: Formation of hydrogen Balmer lines in a twisted
18:00 – 18:20 Mrozek, M. Temmer, A. Veronig: Observations and preliminary MHD simulations of the Kelvin –
18:20 – 18:40 Gibson, J. Raymond, A. Ciaravella, R. Suleiman, Y.-K. Ko: UVCS/SoHO catalog of CMEs fro
18:40 – 19:00 Lulić, B. Vrsnak, T. Zic, I.W. Kienreich, N. Muhr, M. Temmer, A.M. Veronig: Formation and evo
19:00 – 20:00 HESPERIA/COMESEP activities

Friday, September 7, 2012

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

9:00 – 9:20 S. Nikolaeva, Yu. I. Yermolaev, I.G. Lodkina: The development of magnetic storms in dependen
9:20 – 9:40 I. Yermolaev, N.S. Nikolaeva, I.G. Lodkina, M.Y. Yermolaev: Solar and interplanetary drivers of
9:40 – 10:00 Dumbović et al.: Forecasting of geomagnetic activity caused by Coronal Mass Ejections
10:00 – 10:20 N. Myagkova, O.V. Kozyreva : Outer Earth’s radiation belt electrons and ULF-activity dynamics c
10:20 – 10:40 Heber, N. Dresing, W. Droege, R. Gomez-Herrero, K. Herbst, Y. Kartavykh, A. Klassen, J. Labr
10:40 – 11:00 Ozguc Effects of hysteresis between maximum CME speed index and geomagnetic activity inc

11:00 coffee break

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

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

16:00 COMESEP activities
17:00 HERMIES 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: Simultanous 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 Muli-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 Murakozy: 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