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 V. Bumba: Regularities in the distribution of solar magnetic fields (*Review*)

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

9:50 – 10:10 H. 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. N. Ishkov: Complexes of active regions as basic source SPE with large and extreme particle flu (*Review*)

11:00 – 11:30 coffee break

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

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

11:50 – 12:10 B. Lemmerer, D. Utz, A. Hanslmeier, H. Grimm-Stehle, A. Veronig, S. Thonhofer, H. Muthsam

16:00 – 17:00 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 (*Invited*)

17:30 – 17:50 K. Georgieva, 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 N. Gyenge, T. Baranyi, A. Ludmany: Variations of non-axisymmetric activity

19:00 – 20:00 HEROES** activities

20:00 Welcome reception

Tuesday, September 4, 2012

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

9:00 – 9:20 A. 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. Savina and P.A. Bespalov: Large-scale perturbations near the solar atmosphere transition r

10:00 – 10:20 J. Dudík, G. Aulanier, B. Schmieder, M. Zapior, P. Heinzel: Magnetic structure and topolagy of qui

10:20 – 10:40 J. Koza, 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 P. Schwartz, 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 U. Bak-Steslicka, S. Gibson, Y. Fan, C. Bethge, L. Rachmeler, B. Forland: Twisted bunny heads e

12:30 – 12:50 E. Wiehr, G. Stellmacher, R. Ramelli, M. Bianda: The hot skin of solar prominences

12:50 – 13:10 W. Curdt, H. Tian: Explosive Events - Swirling Chromospheric Jets

16:00 – 17:00 HEROES 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 A.N. Zhukov, F. Auchere, S. Parenti, and the SIGMA consortium: SIGMA: a new space mission to

18:20 – 18:40 L. Gyory: A robust model for determining the solar limb

Wednesday, September 5, 2012

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

9:00 – 9:30 E.Ya. Zlotnik, V.V. Zaitsev, A.T. Altynsev: Polarization of zebra pattern in solar radio emission (*Invited*)

9:30 – 10:00 M. Karlicky, M. Barta, J. Jiřička: Fragmented reconnection and narrowband decimetric spikes (*Invited*)

10:00 – 10:20 T.S. Bozykh, L.K. Kashapova: Using parametric diagrams constructed from microwave data for stu

10:20 – 10:40 D.A. Zhdanov, L.K. Kashapova, V.G. Zandanov: Quasi-periodic radio pulsations in the solar flare

10:40 – 11:00 R. 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 V.M. Bogod, T.I. Kaltman, L. Yasnov: The properties of the microwave source located above the n

11:50 – 12:10 T. Mrozek, S. Kolomanski, A. Netzel: HXR sources during the failed eruptions of filaments: ob

12:10 – 12:30 Yang Su 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 B. Sylwester, J. Sylwester, M. Siarkowski, T. Mrozek, K.J.H. Phillips: Physical characteristics of se

16:20 – 16:40 J. Sylwester, B. Sylwester, A. Kepa: Review of RESIK X-ray spectra database

16:40 – 17:00 A. Warmuth, G. Mann; The energy budget of solar flares derived from X-ray spectroscopy and ima

17:00 – 17:20 V.V. Prosovetsky, A.A. Kochanov: Closed magnetic flux at coronal holes bounderies

17:20 – 17:40 E. 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 – 9:30 M. Varady, M. Karlicky (*Invited*), Z. Moravec, J. Kashapova: The thick target model and its modifications (

9:30 – 9:50 L.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 M. Lyutikov: Magnetic structure of Coronal Mass Ejections

10:30 – 10:50 T. Rollett, M. Temmer, C. Moestl, A. Veronig, N. Lugaz. U. Moestl: Assesing a new method for der

10:50 – 11:10

M. Temmer, T. Rollett, 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 M. Magdalenić, C. Marque, M. Mierla, L. Rodgriuez, A. Zhukov: Tracking the CME-driven shock wa

12:00 – 12:20 H. Safari: An automatic detection method for extreme ultraviolet mini CMEs

12:20 – 12:40 B. Bein, M. Temmer, A. Vourlidas, A. Veronig: CME kinematics and "true" mass evolutions

12:40 – 13:00 Fainshtein V.G., Egorov Ya.I.: Study of CME properties with using AIA/SDO and SWAP/PROBA2 c

13:00 – 13:20 V. Vybornov, M. Livshits, L. Kashapova: The observational effects from large flares on the c

16:00 – 17:00 HEROES activities

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

17:00 – 17:20 M. Tomczak: Two solar flares that became X-ray plasma ejections

17:20 – 17:40 U. Chmielewska, M. Tomczak, M. Mrozek: Simultaneous Yohkoh/SXT and TRACE observatons o

17:40 – 18:00 Z. Moravec, J. Kasapova, M. Varady. M. Karlicky: Formation of hydrogen Balmer lines in a twisted

18:00 – 18:20 U. Moestl, M. Temmer, A. Veronig: Observations and preliminary MHD simulations of the Kelvin –

18:20 – 18:40 S. Giordano, J. Raymond, A. Ciaravella, R. Suleiman, Y.-K. Ko: UVCS/SoHO catalog of CMEs fro

18:40 – 19:00 S. Lulić, B. Vrsnak, T. Zic, I.W. Kienreich, N. Muhr, M. Temmer, A.M. Veronig: Formation and evo

19:00 – 20:00 COMESEP activities

Friday, September 7, 2012

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

9:00 – 9:20 N.S. Nikolaeva, Yu. I. Yermolaev, I.G. Lodkina: The development of magnetic storms in dependen

9:20 – 9:40 Yu. I. Yermolaev, N.S. Nikolaeva, I.G. Lodkina, M.Y. Yermolaev: Solar and interplanetary drivers of

9:40 – 10:00 M. Dumbović et al.: Forecasting of geomagnetic activity caused by Coronal Mass Ejections

10:00 – 10:20 I.N. Myagkova, O.V. Kozyreva : Outer Earth's radiation belt electrons and ULF-activity dynamics d

10:20 – 10:40 B. Heber, N. Dresing, W. Droege, R. Gomez-Herrero, K. Herbst, Y. Kartavykh, A. Klassen, J. Labr

10:40 – 11:00 A. Ozguc: Effects of hysteresis between maximum CME speed index and geomagnetic activity ind

11:00 – 11:30 coffee break

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

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

16:00 – 17:00 COMESEP activities
17:00 – 18:00 eHEROES 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