

European Physical Society
Solar Physics Section

Newsletter Nr. 4, June 1992

Chairman: W. Mattig, Freiburg
Secretary: B. Schmieder, Meudon
Editor: R.J. Rutten, Utrecht

CATANIA MEETING

Advances in Solar Physics

The Seventh European Solar Physics Meeting of our section is to be held May 11–15, 1993 in Catania, Italy. The label *Advances in Solar Physics* was chosen to cater for a large fraction of the solar community and its broad range of interests. The currently scheduled sessions, session organizers and invited reviews are:

1. OPEN SESSION
(G. Belvedere)
Advances in solar physics
2. SOLAR INTERNAL STRUCTURE
(P. Hoyng)
Solar neutrinos
Recent results from helioseismology
The structure of the solar core
3. GENERATION OF LARGE-SCALE MAGNETIC FIELDS
(G. Belvedere & P. Hoyng)
Mean field theory and the solar dynamo
Hydromagnetic simulations and the solar dynamo
4. COUPLING BETWEEN INTERIOR AND CORONA
(B. Schmieder)
Role of magnetic fields in controlling the corona: observation/theory
5. LARGE SCALE STRUCTURE OF THE CORONA
(G. Trottet & L. Vlahos)
Heating of the corona
Large-scale disturbances
6. SMALL SCALE DYNAMICS OF THE CORONA
(G. Trottet & L. Vlahos)
Explosive phenomena
Plasma physics of explosive phenomena

7. PROPAGATION OF ENERGETIC PARTICLES IN THE CORONA
(G. Simnett)
Storage of particles and acceleration mechanisms
Electromagnetic signatures of particle acceleration and propagation
8. ROUND TABLE: DATA BASE
(J.-C. Vial)
9. NEW INSTRUMENTATION AND SUMMARY
(W. Mattig & J.-C. Vial)
Ground-based instrumentation
Space-based instrumentation
Conclusions

In addition, there will be contributed oral and poster presentations. All talks will be published in the proceedings, together with poster abstracts.

The meeting is organised by the Solar Physics Section together with the Institute of Astronomy of Catania University and Catania Astrophysical Observatory. Some financial support will be available for students and for participants from Eastern Europe.

Preliminary registration forms have been sent to most of you. They should be returned by July 31, 1992. The second announcement is planned for October and will contain details on registration and accommodation. The Local Organizing Committee (co-chaired by G. Belvedere and M. Rodonò) can be reached as:

SOLAR93 MEETING

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SOLAR PHYSICS SECTION

Board

The Board of the Solar Physics Section consists at present of:

G. Godoli (Firenze)
 P. Heinzel (Ondrejov)
 P. Hoyng (Utrecht)
 W. Mattig (Freiburg, Chairman)
 A. Righini (Firenze)
 B. Schmieder (Meudon, Secretary/Treasurer)
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 J. Staude (Potsdam)
 G. Trottet (Meudon)
 J.-C. Vial (Orsay)
 L. Vlahos (Thessaloniki)
 Yu.D. Zhugzhda (Troitsk)

SOLAR PHYSICS SECTION

EPS/EAS/EGS

Our Section has always been the *Solar Physics Section* of the *Astronomy and Astrophysics Division* of the *European Physical Society* EPS. However, the Division has never functioned; in fact, in the past decades our Section was the only working Europe-wide organisation in astronomy. The EPS now has abolished its *Astronomy and Astrophysics Division* and has started a new *Astrophysics Division*, with P. Léna as president. He should create new sections.

In the meantime, the *European Astronomical Society* EAS has been founded, and also the *European Geophysical Society* EGS is increasingly covering solar physics through its *Solar-Terrestrial Relations Division*. Thus, there are now three European societies with interest in solar physics. To which should we adhere? The current proposal is that we shall belong to both EPS and EAS, as a section of a new joint EAS-EPS division. Section members may then belong to EAS or EPS or both.

Future Meetings

1992 August 11–14, *Seismic Investigation of the Sun and Stars*, GONG 1991, Boulder, USA. Contact: Louise Beierle, HAO/NCAR, P.O. Box 3000, Boulder CO 80207, USA
 [louise@hao.ucar.edu]

1992 August 24–27, *Initial Results from STEP Facilities and Theory Campaigns*, STEP-COSPAR, Laurel, USA. Contact: U.S. STEP Coordination Office, USRA Code 610.3, NASA/Goddard Space Flight Center, Greenbelt, MD 20771
 [NSSDCE::TEAGUE]

1992 August 25–28, *SOHO Workshop on Coronal Streamers, Coronal Loops, and Coronal and Solar Wind*

Composition, Annapolis, USA. Contact: John Mariska, Code 4175, Naval Research Laboratory, Washington DC 20375-5000

[mariska@ccf.nrl.navy.mil]

1992 August 29–September 5, *Plenary COSPAR Meeting*, COSPAR World Space Congress, Washington, USA. Contact: COSPAR Secretariat, Bd. Montmorency 51, F-75015 Paris, France

[mmachado@solar.stanford.edu]

1992 September 6–12, *The Magnetic and Velocity Fields of Solar Active Regions*, IAU Colloquium 141, Beijing, China. Contact: Prof. Gouxiang Ai, Beijing Astronomical Observatory, Chinese Academy of Sciences, Beijing 100080, China

[bmabao@ica.beijing.canet.cn]

1992 September 7–11, *The Cosmic Dynamo*, IAU Symposium 157, Potsdam, Germany. Contact: F. Krause, Astrophysikalisches Institut Potsdam, Rosa-Luxemburg-Str. 17a, D-O-1591 Potsdam, Germany

[dynamo@dec001.ziap.wtza-berlin.de]

1992 September 14–17, *4th International Colloquium on Atomic Spectra and Oscillator Strengths for Astrophysical and Laboratory Plasmas*, Gaithersburg, USA. Contact: Bonnie DeBord, National Institute of Standards and Technology, Bldg. 221, Rm. A167, Gaithersburg MD 29899, USA

1992 September 15–18, *Real-time and post-facto solar image correction*, Thirteenth Sacramento Peak Summer Workshop, Sunspot, USA. Contact: Richard Radick, National Solar Observatory, Sunspot NM 88349, USA
 [radick@sunspot.noao.edu]

1992 October 5–9, *Recent Observations and Theories of Flares* Flares 22 Workshop, Crimea, USSR. Contact: E. R. Priest, Mathematical Sciences Dept., The University, St. Andrews KY16 9SS, Scotland, UK
 [epriest@solar.stanford.edu]

1992 October 8–11, *Annual Meeting*, JOSO, Tatranska Lomnica, Czechoslovakia. Contact: W. Mattig, Kiepenheuer-Institut, Schöneckstrasse 6, D-7800 Freiburg, Germany. The JOSO meeting includes: WG5 workshop on *Solar Variability*, contact: Richard Muller, Observatoire du Pic du Midi, F-65200 Bagnères de Bigorre, France; WG6 meeting on *Coordination of SOHO and ground-based observations*, contact: Vicente Domingo, ESA Space Science Department, PO Box 299, NL-2200 AG, Noordwijk, The Netherlands

1992 January 11–15, *Particle acceleration phenomena in astrophysical plasmas*, IAU Colloquium 142, College Park, USA. Contact: E.L. Chupp, Department of Physics and Space Science Center, Institute of Earth, Oceans, and Space, University of New Hampshire, Durham NH 03824, USA
 [echupp@solar.stanford.edu]

1993 May 11–15, *Advances in Solar Physics*, Seventh European Meeting on Solar Physics, Catania, Italy. Contact: G. Belvedere, Osservatorio Astrofisico di Catania, Viale Andrea Doria 6, I-95125 Catania, Italy [solar93@astrct.astro.it]

1993 June 20–25, *The Sun as a Variable Star: Solar and Stellar Irradiance Variation*, IAU Colloquium No. 143, Boulder, USA. Contact: Judit Pap, Jet Propulsion Laboratory, Mail Stop 171-400, 4800 Oak Grove Drive, Pasadena, CA 91109 [jpap@solar.stanford.edu]

EASTERN EUROPE

Please Send Preprints

Astronomy, including solar physics, faces hard times in Eastern Europe. The political and economical upheavals threaten scientific endeavour. The transition to convertible currency is especially hard to a field as international as ours. At many institutes, western-currency funding is now insufficient even to keep up with the astrophysics literature.

If you are in the West, what can you do? One thing to consider is to include Eastern Europe in your (p)reprint mailings. The following list of institutes has been constructed from the current mailing file of this newsletter. At each address, there is at least one solar physicist. By mailing your (p)reprints to the library of these institutes, you will help many colleagues.

Department of Physics and Astronomy
Sofia University
5 Anton Ivanov Boulevard
BG-1126 Sofia
BULGARIA

National Astronomical Observatory
72 Lenin Boulevard
BG-1784 Sofia
BULGARIA

Astronomical Observatory
CS-94701 Hurbanovo
CZECHOSLOVAKIA

Czechoslovak Academy of Sciences
Astronomical Institute
CS-25165 Ondřejov
CZECHOSLOVAKIA

Slovak Academy of Sciences
Astronomical Institute
CS-05960 Tatranská Lomnica
CZECHOSLOVAKIA

Czechoslovak Academy of Sciences
Astronomical Institute
Budecska 6
CS-12023 Prague 2
CZECHOSLOVAKIA

Institute of Astronomy

Komensky University
Mlynská dolina F1
CS-84215 Bratislava
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Institute of Astrophysics and Physics of the Atmosphere
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Heliophysical Observatory
P.O. Box 30
H-4010 Debrecen
HUNGARY

Department of Astronomy
Eötvös Loránd Tudományegyetem
Kún Béla tér 2
H-1083 Budapest
HUNGARY

Gyula Observing Station
P.O. Box 93
H-5701 Gyula
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Wroclaw University
Kopernika 11
Wroclaw 9
POLAND

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Byurakan Astrophysical Observatory
Byurakan
Ashtarack District
378433 ARMENIA

Shemakha Astrophysical Observatory
Azerbaijan Academy of Sciences
Shemakha Mamedalieva
373243 AZERBAIJAN

Abastumani Astrophysical Observatory
Georgian Academy of Sciences
Abastumani
383762 GEORGIA

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420008 RUSSIA

Sternberg Astronomical Institute
 Moscow University
 Universitetskij prosp. 13
 Moscow
 119899 RUSSIA

Institute of Cosmic Research
 Russian Academy of Sciences
 Profsojuznaja 84/34
 Moscow
 117810 RUSSIA

Institute of Terrestrial Magnetism,
 Ionosphere & Radio Wave Propagation
 Troitsk
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 142092 RUSSIA

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 Petrodvorets
 St. Petersburg
 198904 RUSSIA

Ioffe Physico-Technical Institute
 Politechnicheskaja 26
 St. Petersburg
 194021 RUSSIA

Astronomical Observatory
 Ural University
 Lenin Prosp. 51
 Sverdlovsk
 620083 RUSSIA

Ussurijsk Solar Station
 Gornotaezhnoe
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 692533 RUSSIA

Special Astrophysical Observatory
 Russian Academy of Sciences
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 Stavropol Region
 357147 RUSSIA

Crimean Astrophysical Observatory
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 334413 UKRAINE

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 Ukrainian Academy of Sciences
 Krasnoznamennaya 4
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Editorial

The European Solar Physics Newsletter is intended for all European solar physicists and is distributed free of charge by Kluwer Academic Publishers. It appears irregularly, once or twice a year.

Any material of interest to solar physicists in Europe may be submitted for inclusion. Especially welcome are items for the *Future Meetings* list, for the *Recent Books* and *Recent Proceedings* lists, and *Institute Profiles* with information on visitor programs.

Please submit material to:

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