Meeting Programme

Tuesday, December 09

Registration of participants, 09:00 – 10:00

Welcome addresses, 10:00 – 10:10

Chair **J. Sylwester**, SRC PAS
President of Wrocław PAS division - Prof. D.J. Bem

Morning Session, 10:10 – 12:50

Chair **J. Sylwester**, SRC PAS
The impact of CORONAS Multimission project.

10:10 - 10:40 **S. Kuzin**
The EUV imaging spectroscopy experiment TESIS onboard the CORONAS Photon satellite.

10:40 - 11:10 **A. Ignatiev**
Planning of observations, data processing and storage for SPIRIT and TESIS experiments.

11:10 - 11:40 **A. Pertsov**
The main control systems for X-ray imaging spectroscopy experiments on Fobos-1 through CORONAS-PHOTON.

11:40 - 12:15 Coffee break

Chair **E. Dzifčáková**, Comenius University, Bratislava
Data analysis with RESIK spectrometer.

12:15 - 12:30 **J. Sylwester, A. Kulinova** & **M. Kowaliński**
Impact of local spacecraft environment on RESIK and SphinX measurements.

12:30 - 12:50 **A. Kępa, B. Sylwester, J. Sylwester**
Plans for further reduction, visualization and archiving of RESIK spectra.

12:50 - 15:00 Lunch break

Afternoon Session, 15:00 - 16:45

Chair **S. Kuzin**, FIAN
Dynamics of Solar Corona.

15:00 – 15:30 **M. Livshits** and **M. Katsova**
Test by observations for a new model of large CME/flare events on the Sun and late-type stars.

15:30 – 16:00 Coffee break

16:00 – 16:30 **V. Slemzin**
EUV observations of the solar corona and transients at 1-5 Rsun with the SPIRIT telescope-coronagraph.

16:30 – 16:45 **E. Dzifcakova, A. Kulinova**
Is it possible to diagnose the non-thermal distributions from EUV spectra?

Wednesday, December 10

Morning Session, 10:00 - 12:40

Chair **S. Bogachev**, FIAN
Diagnostics of Solar Corona.

10:00 – 10:30 **A.Urnov**
Determination of coronal plasma densities from Coronas observations.

10:30 – 10:50 **B.Sylwester**
Plasma temperature distribution & composition for low activity solar corona.

10:50 – 11:30 Coffee break

11:30 – 11:50 **T. Mrozek** and **S. Kołomański**
RHESSI observation of extremely long persisting HXR sources - SphinX wanted immediately.

11:50 – 12:20 **A. Kulinova, E. Dzifčáková** & **J. Sylwester**
The non-thermal diagnostics of flares observed by RESIK.

12:20 – 12:40 **J.Kasparova**
Application of kappa distribution to RHESSI flare spectra.

12:40 – 15:15 Lunch break

Afternoon Session, 15:15 - 16:45

Chair **A.Pertsov**, FIAN
SphinX instrument development

15:15 – 15:25 **J. Bąkała**

SphinX – mechanical construction, assembly with TESIS and final launch preparations.

15:25 – 15:40 **S. Gburek**
SphinX data and software.

15:40 – 16:15 Coffee break

16:15 – 16:30 **M. Siarkowski**
SphinX data calibration.

16:30 – 16:45 **P. Podgórski**
SphinX dead times and throughput.

Thursday, December 11

Morning Session, 10:00 - 12:30

Chair **S. Gburek**, SRC PAS
Solar flares – theory and observations.

10:00 – 10:30 **S. Bogachev**
Particle acceleration in collapsing magnetic traps and hard x-ray emission of solar flares.
A work awarded with Zeldovich medal

10:30 – 11:00 **F. Reale, P. Testa, J. Klimchuk, S. Parenti**
Constraints on nano-flaring plasma from Hinode/XRT observations of active regions.

11:00 – 11:30 Coffee break

Chair **F. Reale**, University of Palermo
SphinX operation and data analysis.

11:30 – 12:00 **J. Sylwester** & **SphinX Team**
Operation of SphinX during early phase of the CORONAS-Photon Mission.

12:00 – 12:15 **B. Sylwester** & **J. Sylwester**
SphinX spectral synthesis for low activity corona.

12:15 – 12:30 **J. Sylwester**
Meeting summary talk.

12:30 – 15:00 Lunch break

Afternoon Session, 15:00 - 17:00

15:00 – 15:40 Discussion session

15:40 – 16:15 Coffee break

16:15 – 17:00 Discussion session

Friday, December 12

09:30 – approx. 15:00
Trip to Białków observatory.

11:00 – 11:30 Coffee break

Białków observatory belongs to Wrocław University and is managed andoperated by scientist from Astronomical Institute, University of Wrocław. The observatory is located 70 km north-west of Wrocław. Several solar and stellar instruments are used in Białków for observations including large coronagraph producing excellent
quality data. More information can be found at
http://helio.astro.uni.wroc.pl/helio_bialkow_observatory.html (unfortunately in Polish).