

International Conference "Physics of Magnetic Stars"

Special Astrophysical Observatory, Russia

1 – 5 October, 2018

Conference program

September 30 (Sunday)

17:00 - 19:00 *Registration*

19:00 - 22:00 *Welcome cocktail*

October 1 (Monday)

8:30 - 9:00 *Breakfast*

Morning session. Chairman - Zdenek Mikulášek

9:00 - 9:20 *Opening of the conference*

9:20 - 10:00 *N. Piskunov*

"When polarisation is a measure of noise. The Terra Hunting Experiment"

10:00 - 10:40 *I. Romanyuk et al.*

"Magnetic stars in Orion OB1 association"

10:40 - 11:00 *I. Savanov*

"Spots and activity of A-type stars"

11:00 - 11:30 *Coffee break*

11:30 - 12:00 *N. Ikhsanov*

"A method of estimation of the magnetic field in stellar wind of massive stars in high mass X-ray Binaries"

12:00 - 12:20 *N. Beskrovnaya*

"The spin-powered strongly magnetized white dwarf AR Scorpii"

12:20 - 12:40 *M. Piotrovich*

"Spectropolarimetric Observations of Magnetic White Dwarfs with the SAO 6-m Telescope"

12:40 - 13:00 *M. Pogodin et al.*

"Spectroscopic variability of the Herbig Be star HD259431"

13:00 - 14:30 *Lunch*

Evening session. Chairman - Nikolai Piskunov

14:30 - 14:50 *E. Semenko et al.*

"Binary CP-stars in Orion OB1a association"

14:50 - 15:10 *S. Plachinda*

"The history of high-precision measurements of stellar magnetic fields at the Crimean Astrophysical Observatory from 1987 to the present"

15:10 - 15:40 *A. Kholtygin et al.*

"New insights from magnetic studies of massive OB stars"

15:40 - 16:00 *M. Yushkin et al.*

"Nebulae AFGL 2688: structure, kinematics, chemical composition"

16:00 - 16:30 **Coffee break**

Youth session

16:30 - 16:50 *A. Moiseeva et al.*

"Fundamental parameters of CP-stars in Orion OB1 association"

16:50 - 17:10 *V. Dyachenko et al.*

"A preliminary orbit for μ Cet system from observations at the 6-m telescope"

17:10 - 17:30 *A. Romanovskaya*

"Is the surface chemical inhomogeneity in Ap stars caused by vertical stratification? The cases of Cr and Fe in 78 Vir"

17:30 - 17:50 *M. Gorbunov et al.*

"Search for the cyclic activity of red dwarfs from photometric surveys data"

17:50 - 18:10 *K. Logachev et al.*

"Index catalogue for the "Izvestiya CrAO". Stars with magnetic activity"

18:10 - 18:40 **Poster session**

19:00 - 20:00 **Dinner**

October 2 (Tuesday)

8:30 - 9:00 **Breakfast**

Morning session. Chairman - Tatiana Ryabchikova

9:00 - 9:50 *Z. Mikulášek et al.*

"An overview of the properties of a sample of newly-identified CP2 stars in the Kepler field"

9:50 - 10:10 *J. Janík et al.*

"The unique chemically peculiar star HD 174356"

10:10 - 10:40 *V. Panchuk et al.*

"Search for exoplanets using spectroscopy"

10:40 - 11:00 *A. Rzaev*

"Peculiarities of measuring the radial velocities of lines in the spectrum θ^1 Ori C"

11:00 - 11:30 **Coffee break**

11:30 - 12:00 *K. Zwintz*

"BRITE constellation" (skype session) 12:00 - 12:20 *S. Aliyev*

"The main reasons for the nature of the variation in the brightness of magnetic stars"

12:20 - 12:55 *Z. Mikulášek et al.*

"Towards comprehension of the variability of mCP star CU Virginis"

13:00 - 14:30 **Lunch**

Youth session. Chairman - Nazar Ikhsanov

14:30 - 14:50 *V. Puzin*

"Spectral and spectropolarimetric studies of the star FK Com"

14:50 - 15:05 *E. Ryspaeva*

"Formation of X-ray emission of OB-stars"

15:05 - 15:20 *E. Ryspaeva*

"The analysis of X-ray emission of superflare stars"

15:20 - 15:40 *V. Moskvin*

"Observations of stars with exoplanets at CrAO. Data base"

15:40 - 16:00 *V. Moskvin*

"Statistical analysis of the UV Cet-type stars flares parameters on the results of monitoring with microsecond time resolution"

16:00 - 16:30 *Coffee break*

16:30 - 18:00 *Excursion to BTA*

18:30 - 19:00 *Dinner*

20:00 - 21:00 *Concert by LOC members*

October 3 (Wednesday)

8:30 - 9:00 *Breakfast*

Morning session. Chairman - Igor Savanov

9:00 - 9:30 *T. Ryabchikova et al.*

"Software for NLTE spectrum fitting"

9:30 - 10:00 *V. Panchuk et al.*

"Technique of stellar spectroscopy. First quarter of XXI century"

Youth session

10:00 - 10:20 *A. Medvedev*

"Evolution of the magnetic field of OBA stars at MS and beyond"

10:20 - 10:40 *M. Gorbachev*

"Flare activity and confirmation of the type of variability of selected stars from the catalog GTSh10 according CRTS"

10:40 - 11:00 *M. Gabdeev*

"Investigation of new mCV IPHAS J052832.69+283837.6"

11:00 - 11:30 *Coffee break*

11:30 - 12:00 *K. Zwintz*

" β Cas: the first δ Sct star with a dynamo magnetic field" (skype session)

12:00 - 13:00 *Lunch*

13:00 - 17:00 *Excursion to Arkhyz*

17:00 - 19:00 *Excursion to the installation "Station E5. Research on ontological unity of incommensurable dimensions"*

19:00 - 20:00 *Dinner*

October 4 (Thursday)

8:30 - 9:00 *Breakfast*

9:00 - 11:00 *Excursion to the old churches*

11:00 - 17:00 *Picnic party*

19:00 - 20:00 *Dinner*

October 5 (Friday)

8:30 - 9:00 **Breakfast**

Morning session. Chairman - Valentina Klochkova

9:00 - 9:30 *A. Stepanov et al.*

"Magnetic structure of ultracool stars inferred from quiescent and flaring radio emission"

9:30 - 10:00 *Inwoo Han*

"Magnetic field and orbital period of β CrB"

10:00 - 10:30 *G. Valyavin*

"Magnetism of white dwarfs: review and new results"

10:30 - 11:00 *M. Sachkov*

" α Ap star pulsation studies"

11:00 - 11:30 **Coffee break**

Closing session. Chairman - Alexander Kholtygin

11:30 - 12:00 *S. Hubrig*

"Observations of magnetic fields in Herbig Ae/Be stars" (skype session)

12:00 - 12:30 *S. Kiikov*

"Magnetocavitation model of long-period oscillations of starspots" (skype session)

12:30 - 12:50 *V. Bychkov et al.*

"The extremely lengthiest magnetic period of Przybylski's star"

12:50 - 13:30 **Conference closing. Results and discussion**