

Scientific program:

The scientific program will start at Monday afternoon (25th of April) and lasts till Thursday afternoon (28th of April) and leaves enough time for discussions during the scientific and private sessions.

25th of April

Transfer from Graz to Bairisch-Kölldorf
Hotel Legenstein: Check-Inn

- | | |
|----------------------|--|
| 15:30 – 15:35 | A. Hanslmeier
<i>Opening address</i> |
| 15:35 – 18:00 | <i>Session: Solar and stellar activity, convection zone and photosphere</i>
Chair: Markus Roth |
| 15:35 – 16:05 | Contributed Talk: Teimuraz Zaqarashvili
<i>Rossby waves, Rieger periodicity and seismology of solar interior</i> |
| 16:05 – 16:35 | Contributed Talk: Luca Fossati
<i>Stellar activity in stars: evolution and observational characteristics</i> |
| 16:35 – 17:00 | Coffee break |
| 17:00 – 17:30 | Contributed Talk: Arnold Hanslmeier
<i>Solar convection and solar activity cycle</i> |
| 17:30 – 18:00 | Contributed Talk: Birgit Lemmerer
<i>Rotating plasma jets in the photospheric intergranular lanes</i> |
| 18:00 – 19:00 | Open discussion |
| 19:00 | <i>Dinner at the Hotel Legenstein</i> |

26th of April

- 10:00 – 12:45** **Session: Solar Photosphere**
Chair: Michal Sobotka
- 10:00 – 10:45 Review Talk: **Markus Roth**
First Results of HELLRIDE
- 10:45 – 11:15 Contributed Talk: **Jan Jurčák**
Formation of a penumbra at expense of a pore
- 11:15 – 11:45 **Coffee break**
- 11:45 – 12:15 Contributed Talk: **Michiel van Noort**
Image restoration of ground-based spectrograph data
- 12:15 – 12:45 Contributed Talk: **Markus Roth**
Helioseismology near magnetic active regions
- 12:45 – 14:45 **Lunch**
- 14:45 – 17:45** **Session: Solar Chromosphere**
Chair: Arnold Hanslmeier
- 14:45 – 15:15 Contributed Talk: **Joe Zender**
Segmentation of Photospheric Magnetic Elements Corresponding to Coronal Features to Understand the EUV and UV Irradiance Variability
- 15:15 – 15:45 Contributed Talk: **Isabella Kraus**
Solar Segmentation and Analysis of EUV Bright Points
- 15:45 – 16:15 **Coffee break**
- 16:15 – 16:45 Contributed Talk: **Roman Brajša**
Observation of the solar chromosphere in the mm and sub-mm wavelength ranges
- 16:45 – 17:15 Contributed Talk: **Michal Sobotka**
An estimate of chromospheric heating by acoustic waves reloaded
- 17:15 – 17:45 Contributed Talk: **Philippe Bourdin**
Introduction to particle simulations of magnetic reconnection in collisionless plasmas
- 19:00** **Dinner in at the Styrian Buschenschank Satzer**

27th of April

- 10:00 – 12:30** **Session: Waves and instabilities**
Chair: Jan Jurčák
- 10:00 – 11:00 Review Talk: **Tom Van Doorselaere**
Recent progress on coronal waves
- 11:00 – 11:30 **Coffee break**
- 11:30 – 12:00 Contributed Talk: **Isabell Piantschitsch**
First Applications of a newly developed two-fluid 2.5D code to dynamics in the solar atmosphere
- 12:00 – 12:30 Contributed Talk: **Teimuraz Zaqarashvili**
Kelvin-Helmholtz instability of magnetized jets and heating of chromospheric plasma
- 12:30 – 14:00 **Lunch**
- 14:00 – 16:15** **Session: Solar Corona and Prominences**
Chair: Teimuraz Zaqarashvili
- 14:00 – 14:45 Review Talk: **Ramon Oliver**
Coronal rain
- 14:45 – 15:15 Contributed Talk: **Július Koza**
A case study of a quiescent prominence observed in He I D3 by THEMIS
- 15:15 – 15:45 **Coffee break**
- 15:45 – 16:15 Contributed Talk: **Martin Leitzinger**
Stellar prominences - the cases of HK Aqr and PZ Tel
- 17:00 – 18:30 *Excursion and winetasting at the castle Kapfenstein*
- 18:30** **Conference Dinner at the castle Kapfenstein**

28th of April

- 10:00 – 12:45** **Session: CMEs and heliosphere**
Chair: Tom Van Doorselaere
- 10:00 – 10:45 Review Talk: **Zoltán Vörös**
Turbulence in the heliosphere
- 10:45 – 11:15 Contributed Talk: **Pavel Kotrč**
Results of the measurement of the continuum flux in solar flares
- 11:15 – 11:45 **coffee break**
- 11:45 – 12:15 Contributed Talk: **Petra Odert**
Occurrence rate and observability of stellar mass ejections
- 12:15 – 12:45 Contributed Talk: **Davor Sudar**
Analysis of CME arrival times at 1 AU with neural network
- 12:45 – 13:00 *Résumé*
- 13:00 **Lunch**