First meeting of the ISSI-ISSI Beijing international team "Magnetohydrostatic Modeling of the Solar Atmosphere with New Datasets"
July 10th-14th, 2023

Agenda

Note: All times specified correspond to Beijing Time (UTC+08:00)

Monday, 10th July

- 16:00-16:10 ISSI Beijing Introduction (En, Lijuan)
- 16:10-16:20 Project Introduction (Zhu, Xiaoshuai; Chifu, Iulia)
- 16:20-16:30 Break, team photo
- 16:30-17:00 Analytical 3D MHS Equilibria: Theoretical Background (Neukirch, Thomas)
- 17:00-17:30 Analytical 3D MHS Equilibria: Practical Aspects (Nadol, Lilli)
- 17:30-18:00 Development and application of magnetohydrodynamic relaxation method with constrained-transports (Miyoshi, Takahiro)
- 18:00-18:30 Solar MHS modelling with optimization method and MHD relaxation method (Zhu, Xiaoshuai)

Tuesday, 11th July

- 16:00-16:30 Magnetic field extrapolations constrained by the coronal loops (Chifu, Iulia)
- 16:30-17:00 High-resolution observations and magnetic extrapolation of penumbra filament (Zhao, Jie)
- 17:00-17:30 Magneto-hydro-static computations in the quiet Sun (Wiegelmann, Thomas)
- 17:30-18:00 Validation of currents in coronal magnetic field models (Wheatland, Mike)
- 18:00-18:30 Magnetic field extrapolation in active region well comparable with observations in multiple layers (Yu, Fu)

Wednesday, 12th July

- 16:00-16:30 NLTE spectropolarimetric inversion of solar lower atmosphere (Gefeira,

Ricardo)

- 16:30-17:00 Recent progress of solar magnetic fields measurement at Huairou Solar Observing Station (Bai Xianyong)
- 17:00-18:30 Discussion: MHS modeling, issues, difficulties

  Future tasks, ideas for the first paper

Thursday, 13th July

- Small group discussion

Friday, 14th July

- Small group discussion