

# Retreat Meeting TRR360

23.03.-24.03.2026

Kloster Irsee



Monday, 23 March

- 10:00**      **Arrival + Coffee**
- 10:30**      **Opening** (István Kézsmárki)
- 10:35**      **Session 1** (Chair: Victoria Ginga)
- 10:35      Felix Schilberth (**A1**): *"Uncovering unconventional phases of kagome magnets by ARPES and optical spectroscopy"*
- 10:55      Franz Weidenhiller (**A2**): *"Growth Optimization and Spin-Orbit Torque Measurements of Magnetic Weyl Semimetals"*
- 11:15      Dennis Huang (**A3**): *"Atomic-scale visualization of magnetic topological semimetal candidates"*
- 11:30      Manuel Zahn (**A4**): *"Microscale imaging of constrained systems"*
- 11:45      Liviu Chioncel (**A5**): *"Conductivities with disorder and electronic correlations"*
- 12:05      Marc Wilde (**A6**): *"Global band topology: from point crossings and nodal planes to Kondo-Weyl fermions"*
- 12:25**      **Group picture**
- 12:40**      **Lunch**
- 14:00**      **Scientific Session 2** (Chair: Felix Schilberth)
- 14:00      Marein Rahn (**A7**): *"Controlling band topology in spin-charge-lattice coupled systems"*
- 14:10      Kan Zhao: *"Kagome spin ice HoAgGe"*
- 14:45      Alexander Tsirlin (**B1**): *"Kitaev magnets and beyond"*
- 15:05      Eva Benckiser, Matthias Hepting (**B2**): *"Inelastic photon scattering on ruthenates and rhodates"*
- 15:25      Philipp Gegenwart (**B3**): *"Dynamics of frustrated magnets with triangular geometry"*
- 15:45      Marlis Schuller, Aisha Aqeel (**B4**): *"Magnetic resonance and spin transport in quantum spin liquid compounds"*
- 16:05      Nan Tang: *"Observation via spin Seebeck effect of emergent magnetic monopoles in spin ice"*
- 16:25**      **Poster Session - Mentor Meetings – Future Planning with Coffee**
- 18:00**      **Dinner**
- 19:30**      **Steering Committee Meeting**
- 19:30**      **Young Researchers Meeting**
- 19:30**      **Poster Session continued**
- 21:00**      **End**

## Tuesday, 24 March

- 9:00**      **Scientific Session 3** part 1 (Chair: Gloria Isbrandt)
- 9:00      Thomas Bader (B6): *“Triangular lattice Heisenberg Antiferromagnets in a Field”*
- 9:20      Sándor Bordács: *“AFM domains: optical detection, imaging, and control”*
- 9:55      Christoph Resch, Christian Pfleiderer (C2): *“Kinetic arrest and quantum annealing in model systems”*
- 10:15      Felix Büttner (C2): *“Ultrafast control of constrained antiferromagnets”*
- 10:35**      **Coffee Break**
- 10:50**      **Scientific Session 4** (Chair: Prashanta Mukharjee)
- 10:50      Johannes Weber und Hans Huebl (C3): *“Dynamically driven quantum correlations”*
- 11:10      Joachim Deisenhofer (C4): *“Ultra-strong matter-magnon coupling – quo vadis?”*
- 11:30      Purnendu Das (C5): *“Dynamical Response of Altermagnetic Hubbard Models”*
- 11:50      Anton Roman (C6): *“Fractionalized Prethermalization”*
- 12:10      Francesco Piazza (C7): *“Cavity-based control of quantum magnets: frustration, entanglement, and competing orders”*
- 12:30**      **Lunch**
- 13:50**      **Non-scientific Session** (Chair: Gloria Isbrandt)
- 13:50      Julia Thurner-Irmler (Ö): *“Project Ö – Outreach: What has happened so far and what is yet to come”*
- 14:10      André Deyerling (MGK): *“Project MGK– The past, the present and the future”*
- 14:30**      **Discussions** on the new proposal
- 14:30**      **Equity and Diversity round with snacks and coffee**
- 16:00**      **End**