

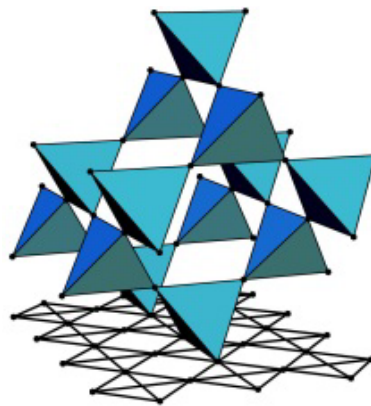


International Conference

Frustrated Magnetism and Topology

Radisson Blu Hotel Radebeul

Nov 7 - 8, 2022



SFB 1143

Monday

Mon Nov 7

09:00 – 09:10	M. Vojta	Conference opening
09:10 – 09:50	K. Kanoda	Spin liquid, quantum criticality and superconductivity on triangular-lattices
09:50 – 10:30	A. Scheie	Spin liquid proximity and fractionalization signatures in triangular lattice KYbSe ₂
10:30 – 11:00		Coffee break
11:00 – 11:40	R. Valenti	The RuX ₃ (X=Cl, Br, I) family: Two siblings — and a cousin
11:40 – 12:20	N. Perkins	Phonon dynamics in 2D and 3D Kitaev spin liquids
12:30 – 14:00		Lunch
14:00 – 14:40	S. Trebst	Supersymmetry on the lattice: Geometry, topology, and spin liquids
14:40 – 15:20	J. Reuther	Low-energy structure of spiral spin liquids
15:20 – 15:40		Coffee break
15:40 – 16:20	C. Rüegg	Topological magnons in quantum magnets and their damping
16:20 – 17:00	M. Retuerto	Perovskite-related structures with unusually small A cations: Tuning the physical properties
17:00 – 19:00		Poster session
19:00 – 20:30		Conference Dinner
20:30		Poster session

Tuesday

Tue Nov 8

09:00 – 09:40	S. Blundell	The quantum muon as a probe of magnetic frustration
09:40 – 10:20	P. Henelius	Special temperatures in frustrated magnets and gases
10:20 – 10:40		Coffee break
10:40 – 11:20	S. Paschen	Topological semimetals in heavy-fermion compounds
11:20 – 12:00	C. Broholm	Magnetism in some topological semimetals
12:00 – 12:40	I. Kezsmarki	Covalent counterparts of van-der-Waals magnets
12:40 – 14:00		Lunch
14:00 – 14:40	A. Keselman	Spinon spin current in one dimension
14:40 – 15:20	A. Nevidomskyy	Quantum melting of spin-1 magnetic "solids" in 2D
15:20 – 15:50		Coffee break
15:50 – 16:30	A. Zorko	Ising-like correlations in a spin-liquid ground state of a triangular antiferromagnet
16:30 – 17:10	J. Knolle	An exact amorphous chiral spin liquid
17:10 – 17:20	M. Vojta	Conference closing
17:30		Departure

Conference Posters

- 1 B. Placke Dipolar spin ice regime proximate to an all-in-all-out Neel ground state in the dipolar-octupolar pyrochlore $\text{Ce}_2\text{Sn}_2\text{O}_7$
- 2 E. Wagner One- and two-particle dynamics of the J_1 - J_2 -Heisenberg bilayer
- 3 A. Schwenke Numerical linked-cluster expansion for magnetostriction of frustrated magnets
- 4 O. Krupnitska Entanglement measures of a frustrated spin-1/2 Heisenberg octahedral chain within the localized-magnon approach
- 5 W. Brenig Spinless fermions in a Z_2 gauge theory on a triangular ladder
- 6 A. Knoll Classification of Weyl points and nodal lines based on magnetic point groups for spin-1/2 quasiparticles
- 7 O. Janson Kitaev exchange in the $j=1/2$ triangular-lattice cobaltate $\text{Na}_2\text{BaCo}(\text{PO}_4)_2$
- 8 W. Krüger Triple-Q order in $\text{Na}_2\text{Co}_2\text{TeO}_6$ from proximity to hidden $\text{SU}(2)$ -symmetric point
- 9 R. Schäfer Abundance of hard hexagon crystals in the quantum pyrochlore antiferromagnet
- 10 R. Morrow Low-dimensional magnetism in ordered perovskite and Ruddlesden-Popper variants
- 11 B. Rubrecht On-going studies on triangular lattice AFMs TRESe_2 (RE = Er, Tm, Lu)
- 12 G. Thakur High-temperature magnetic ordering in new quadruple perovskites $\text{Sr}_4\text{NaM}_3\text{O}_{12}$ (M = Ru and Os)
- 13 S. Singh Anisotropic large diamagnetism in Dirac semimetals ZrTe_5 and HfTe_5
- 14 S. Thamban Magnetic studies of a new geometrically frustrated face-centered cubic antiferromagnet

- 17 A. Hanna Evidences for quantum fluctuations in the FCC-lattice double perovskites
- 16 J. Grumbach Thermodynamic and magnetic properties of the rare-earth delafossite NdGdS₂
- 17 A. Hauspurg Spin-strain interactions in α -RuCl₃ probed by ultrasound
- 18 F. Seewald Interplay of frustrated iron and rare-earth magnetism in RE₃Fe₃Sb₇ (RE=Nd, Pr) as probed by ⁵⁷Fe Mössbauer spectroscopy and μ SR
- 19 T. Weinhold Magnetism in Kitaev quantum-spin- liquid candidate RuBr₃
- 20 A. M. Chakkingal Updates on frustrated low-dimensional Cu compounds
- 21 A. Sukhanov Magnon-phonon hybridization in Mn₃Ge resolved by IXS
- 22 N. Andriushin Magnetic phase diagram, spin dynamics, and the spin-cholesteric phase in Sr₃Fe₂O₇
- 23 A. Thampi Néel domain walls and skyrmions in La_{0.7}Sr_{0.3}Mn_{1-x}Ru_xO₃ multilayers
- 24 D. Wolf Experimental observation of chiral magnetic textures by electron holography and tomography
- 25 S. Rößler Spin-orbit-coupled ground states in K₂RuCl₆, RuCl₃, and RuBr₃
- 26 M. Gillig Longitudinal and transversal-heat transport studies on the Kitaev candidate material Na₂Co₂TeO₆
- 27 E. Gati Strain tuning of the spin-liquid candidate system Ca₁₀Cr₇O₂₈
- 28 P. Mokhtari Huge enhancement of the thermal conductivity in the Tomonaga Luttinger region of YbAlO₃

Venue: Radisson Blu Hotel Radebeul
Nizzastrasse 55, 01455 Radebeul

How to reach the conference hotel?

Speakers arriving by plane at Dresden (DRS) should take

Option 1: Train S2 (direction Hauptbahnhof, Hbf) to Dresden-Neustadt and then the tram no. 4 (direction Weinböhla) to Schildenstraße (travel time 50 min)

Option 2: Bus 80 (direction Omsewitz) to Rankestraße and then the tram no. 4 (direction Weinböhla) to Schildenstraße (travel time 50 min)

Option 3: Bus 77 (direction Klotzsche, Infineon) to Ahlbecker Straße and then bus 72 (direction Sörnewitzer Straße) to Gutenbergstraße and walk 500 m (travel time 40 min)

Speakers arriving by train (central station) should take

Option 1: Train S1 from central station (direction Meißen Triebischtal, every 30 min) to Radebeul Ost and walk to the hotel (travel time 30 min)

Option 2: Tram no. 3 (direction Hellerau) to Anton-/Leipziger Straße and then tram no. 4 (direction Weinböhla) to Schildenstraße (travel time 30 min)

Ticket information

There should be a ticket machine at the tram/bus station. You need ticket for two fare zones - one for Dresden and one for Radebeul. The cheapest option is to buy a ticket called "4-trip ticket" which includes four single tickets. You can use the first two on the front for your way to Radebeul and the last two on your way back to the airport. Important is that you stamp the first two in the bus or tram. If you take the train you have to stamp it at the platform before you enter the train.

If you have a city ticket included in your train ticket, you need a ticket for one additional fare zone (Einzelfahrt) for Radebeul.

