Programme

Lecture 1: Dr. Andreas Schnyder, MPI-FKF Stuttgart

"Topology of semimetals"

Research talk: Raymond Wiedmann & Kirill Parshukov on "The topology of altermagnetic insulators, metals and superconductors"

Lecture 2: Prof. Marein Rahn, Uni Augsburg

"Neutron scattering from quantum matter"

Lecture 3: Dr. Marc Wilde, TUM

"Fermi Surfaces and Quantum Oscillations"

Lecture 4: Dr. Alexander Mook, Johannes Gutenberg-Universität Mainz

"Topology in Ordered Magnets: Textures and Dynamics"

Research talk: Rhea Hoyer on "Magnon topology beyond single magnons and magnon thermal transport"

Lecture 5: Prof. Rinsuke Yamada, University of Tokyo

"Emergent transport responses in correlated topological materials"

Research talk: Daiki Yamaguchi on "Electrical and thermal transport properties in itinerant noncollinear magnets"

Lecture 6: Prof. Ana Akrap, University of Zagreb

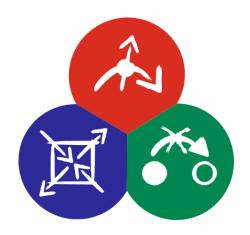
"Magneto-optical spectroscopy of topological materials"

Research talk: David Santos Cottin on "TIBiSSe: A Textbook 3D Dirac Semimetal"

Lecture 7: Prof. Markus Heyl, Uni Augsburg

"Solving 2D quantum matter with neural quantum states"

Research talk: Tobias Wiener on "Dynamics of 2D quantum Ising models with neural quantum states"



TRR 360 MGK Spring School 2025

School on Topology

April 7-10th

Flax Allgäu Schlosserstr.4 87463 Dietmannsried

Bus transfers etmannsried RE75 – Hotel 10:20 & 10:40 AM Arrival + welcome coffee Opening Lecture 1 (part 1): Topology of Semimetals Andreas Schnyder Lunch Lecture 1 (part 2): Andreas Schnyder	Lecture 3: Fermi Surfaces and Quantum Oscillations Marc Wilde Coffee break Lecture 4 (part 1): Topology in ordered magnets: Textures and Dynamics Alex Mook Lunch Research talk 1: Raymond Wiedmann, Kirill Parshukov	Lecture 4 (part 2): Alex Mook Research talk 4: Rhea Hoyer Coffee break Lecture 5 (part 1): Emergent transport responses in correlated topological materials Rinsuke Yamada Lunch Lecture 6:	Lecture 5 (part 2): Rinsuke Yamada Research talk 5: Daiki Yamaguchi Coffee break Lecture 7: Solving 2D quantum matter with neural quantum states Markus Heyl Lunch Research talk 7: Tobias Wiener
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Topology of Semimetals Andreas Schnyder Lunch Lecture 1 (part 2):	Textures and Dynamics Alex Mook Lunch Research talk 1:	correlated topological materials Rinsuke Yamada Lunch Lecture 6:	with neural quantum states Markus Heyl Lunch Research talk 7:
Lecture 1 (part 2):	Research talk 1:	Lecture 6:	Research talk 7:
		Magneto-optical spectroscopy of	Tobias Wierier
Andreas Schnyder	Poster flash talks (18x2min)	topological materials Ana Akrap	TRR Meeting + closing
Picture + Coffee break	Coffee break	Coffee break	Bus transfers
Lecture 2: tron scattering from quantum		Research talk 6: David Santos Cottin	Hotel – Dietmannsried RE7 3:18pm to Kempten 3:42pm to Memmingen
matter Marein Rahn	Social activities • Hiking	Poster flash talks (17x2min)	
Discussion time + check in	Bowling Climbing	Poster session 2	
Dinner		- Dinner	
	Dinner		
Pub quiz			
	Marein Rahn Discussion time + check in Dinner	Marein Rahn Social activities Hiking Bowling Climbing Dinner Dinner	Marein Rahn - Hiking - Bowling - Climbing - Dinner