

Program

Sunday, 11 October 2020

16:00 – 18:00	Registration	
17:30 – 18:00	Claudia Felser Mark Oliver Goerbig Artem Pronin	Welcome and start of the scientific program
18:00 – 19:00	Carlo Beenakker (Tutorial / online)	Chiral magnetic effect in a Weyl superconductor
19:00	<i>DINNER</i> and informal get together	

Monday, 12 October 2020

08:00 – 09:00	<i>BREAKFAST</i>	
09:00 – 10:00	Raffaele Resta (Tutorial / online))	Geometrical and topological observables
10:00 – 11:00	Yulin Chen (online)	tba
11:00 – 11:20	<i>COFFEE BREAK</i>	
11:20 – 12:20	Steffen Wiedmann (online)	Probing the Fermi surface topology of nodal-line semimetals by means of quantum oscillations
12:20 – 12:30	Conference Photo (in front of the Physikzentrum/Main entrance)	
12:30 – 14:00	<i>LUNCH</i>	

Program

Monday, 12 October 2020

14:00 – 14:45 **Poster flashing**

14:45 – 16:00 **Posters**

16:00 – 17:00 Joel Moore
(online) **Nonlinear optical properties of non-magnetic Weyl/Dirac semimetals in and out of equilibrium**

17:00 – 17:20 *COFFEE BREAK*

17:20 – 18:20 Ece Uykur **Optical investigations of Weyl semimetals**

18:20 – 19:20 Ana Akrap
(online) **Understanding the ground states of topological systems: a view from infrared spectroscopy**

19:20 *HERAEUS DINNER at the Physikzentrum
(cold & warm buffet with complimentary drinks)*

Program

Tuesday, 13 October 2020

08:00 – 09:00	<i>BREAKFAST</i>	
09:00 – 10:00	Adolfo Grushin (Tutorial / online)	Symmetry indicators and experimental signatures of amorphous topological insulators
10:00 – 11:00	Johannes Knolle	Anomalous quantum oscillations in type II Weyl semimetals and Graphene-RuCl₃ heterostructures
11:00 – 11:20	<i>COFFEE BREAK</i>	
11:20 – 12:20	Vladimir Juričić	Optical conductivity in interacting Dirac and Weyl semimetals
12:20 – 14:00	<i>LUNCH</i>	
14:00 – 15:40	Posters	
15:40 – 16:40	Maia Vergniory (online)	Cluster perturbation theory and topological Hamiltonian: a route to identify topological phases in correlated systems
16:40 – 17:40	Jennifer Cano (online)	A moiré superlattice on the surface of a topological insulator
17:40 – 18:00	<i>COFFEE BREAK</i>	
18:00 – 18:15	Stefan Jorda	About the Wilhelm and Else Heraeus Foundation
18:15 – 19:00	Leslie Schoop (Tutorial / online)	From chemical bonds to topology
19:00	<i>DINNER</i>	

Program

Wednesday, 14 October 2020

08:00 – 09:00	<i>BREAKFAST</i>	
09:00 – 10:00	Yoichi Ando	Nonreciprocal Transport in a Nodal-Line Semimetal
10:00 – 11:00	Milan Orlita	Magneto-optics of electrons in conical bands
11:00 – 11:40	<i>COFFEE BREAK</i>	
11:40 – 12:40	Andrei Pimenov	Quantized Faraday rotation and band structure in topological insulators
12:40 – 12:45	Claudia Felser Mark Oliver Goerbig Artem Pronin	Closing remarks
12:45	<i>LUNCH</i>	

End of the seminar and departure