Low Temperature Physics Division Fachverband Tiefe Temperaturen (TT)

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Overview of Invited Talks and Sessions

(Lecture rooms H18-23; Poster D2)

Tutorials

TT 1.1	Sun	16:00-16:45	H20	Correlation functions of integrable models — • FRANK GÖHMANN
TT 1.2	Sun	16:45 - 17:30	H20	Non-Abelian anyons — •Holger Frahm
TT 1.3	Sun	17:45 - 18:30	H20	Quantum quenches and equilibration of lattice and continuum systems $-$
				•Michael Brockmann

Invited Talks

TT 5.7	Mon	11:30-12:00	H22	Coherent Suppression of Quasiparticle Dissipation in a Superconduct- ing Artificial Atom — •IOAN POP
TT 14.7	Mon	16:45-17:15	H19	Spectroscopic signatures of collective modes in superconductors — •LARA BENFATTO
TT 15.1	Mon	15:00-15:30	H20	•Data Destario Thermodynamics of Fractional Quantum Spin Liquids — •YUKITOSHI MOTOME
TT 15.2	Mon	15:30 - 16:00	H20	Proximate Kitaev quantum spin liquid behavior in α -RuCl ₃ — •STEPHEN NAGLER
TT 15.3	Mon	16:00-16:30	H20	Kagome chiral spin liquid and symmetry protected topological phases $-\bullet$ YIN-CHEN HE
TT 15.4	Mon	16:45 - 17:15	H20	Three-dimensional Kitaev spin liquids — •MARIA HERMANNS
$TT \ 15.5$	Mon	17:15-17:45	H20	Landau levels of Majorana fermions in a spin liquid — •MATTHIAS VOJTA
TT 24.1	Tue	9:30-10:00	H18	Detecting Weyl fermions in condensed matter — •TITUS NEUPERT
TT 26.1	Tue	9:30-10:00	H20	Classical and quantum correlation induced bias asymmetries in coupled
				spin systems — •Markus Ternes
TT 26.2	Tue	10:00-10:30	H20	Magnetic anisotropy goes spintronic — •MAARTEN R. WEGEWIJS
TT 26.3	Tue	10:30-11:00	H20	Engineering the Kondo Effect in clean Carbon Nanotubes — •CHRISTOPH STRUNK
TT 26.4	Tue	11:15 - 11:45	H20	Majorana Fermions in Atomic Chains — •ALI YAZDANI
TT 26.5	Tue	11:45 - 12:15	H20	Magnetic adatoms on superconductors - a new venue for Majorana
				bound states? — •FELIX VON OPPEN
TT 30.1	Tue	11:00-11:30	H19	Selective correlations and heavy-fermionic behaviour in Iron-based superconductors — •LUCA DE' MEDICI
TT 32.1	Tue	14:00-14:30	H18	Coupled-wire constructions: New insights into the physics of interact-
				ing topological systems in two and three dimension (and beyond) —
				•Tobias Meng
TT 37.5	Tue	15:00-15:30	H23	Dynamical Coulomb Blockade theory of resonantly enhanced light emission from a tunnel junction — • WOLFGANG BELZIG
TT 43.11	Wed	12:15 - 12:45	H20	Rare-earth-like behavior of transition metals substituted in Li_3N —
			-	•Anton Jesche
TT 44.1	Wed	9:30 - 10:00	H22	Ultrafast photo-thermoelectric currents in graphene — •ALEXANDER
				Holleitner
TT 46.6	Wed	11:30-12:00	H19	On Nematicity, Magnetism and Superconductivity in FeSe $-$ •A. E.
				Böhmer

TT 52.1	Wed	15:00 - 15:30	H20	Hund's Metals: a New Road to Strongly Correlated Electron Behavior — •GABRIEL KOTLIAR
TT 52.2	Wed	15:30 - 16:00	H20	Screened Exchange Dynamical Mean Field Theory — •SILKE BIERMANN
TT 52.3	Wed	16:00-16:30	H20	Dynamical Screening in Correlated Electron Materials — •PHILIPP WERNER
TT 52.4	Wed	16:45 - 17:15	H20	Lattice stability of correlated electron materials — \bullet IVAN LEONOV
TT 52.5	Wed	17:15-17:45	H20	Tin Foil at the Nanometer Scale - from Electronic Correlations to Topo- logical Physics — •RALPH CLAESSEN
TT 52.6	Wed	17:45-18:15	H20	Electron Correlations in Nanosystems and 2D Materials: What's so Different from Bulk? $- \bullet$ TIM WEHLING
TT 54.7	Wed	16:45-17:15	H22	Cooling a nanomechanical resonator by electron transport in hybrid devices. — •GIANLUCA RASTELLI
TT 62.1	Thu	9:30 - 10:00	H20	Conventional high temperature superconductivity: from A15 to MgB_2 to $H_3S - \bullet IGOR MAZIN$
TT 62.2	Thu	10:00-10:30	H20	Conventional superconductivity at 203 K at high pressures — •MIKHAIL EREMETS
TT 62.3	Thu	10:30-11:00	H20	Crystal Structure of 200 K-Superconducting Phase in Sulfur Hydride System — •MARI EINAGA
TT 62.4	Thu	11:15-11:45	H20	Strong-Coupling Electron-Phonon Superconductivity in H_3S — •WARREN E. PICKETT
TT 62.5	Thu	11:45-12:15	H20	High-pressure phases of S, Se, and P hydrides and their superconduct- ing properties: Predictions from ab-initio theory $-\bullet E$. K. U. GROSS
TT 62.6	Thu	12:15-12:45	H20	New sulfur hydride H_3S and excellent superconductivity at high – • TIAN CUI
TT 73.7	Thu	16:45 - 17:15	H19	Imaging currents in 2D quantum materials — •KATJA NOWACK
TT 81.1	Thu	16:15-16:45	H23	Non-Abelian gauge theory description of (dynamical) spin-orbit cou- pling effects in Fermi gases. — •COSIMO GORINI

Invited talks of the joint symposium SYTI

See SYTI for the full program of the symposium.

SYTI 1.1	Wed	9:30-10:10	H1	Topological insulators and topological superconductors — \bullet SHOUCHENG
				Zhang
SYTI 1.2	Wed	10:10-10:50	H1	Three-dimensional topological insulators and superconductors $-$
				•Yoichi Ando
SYTI 1.3	Wed	10:50-11:30	H1	Interplay of magnetic and electronic states in pyrochlore iridates —
				•Leon Balents
SYTI 1.4	Wed	11:40 - 12:20	H1	Magnetic imaging of edge states — •KATHRYN MOLER
SYTI 1.5	Wed	12:20 - 13:00	H1	Sub-nm wide edge states at the dark side of a weak topological insulator
				— •Markus Morgenstern

Invited talks of the joint symposium SYQS See SYQS for the full program of the symposium.

SYQS 1.1	Wed	15:00 - 15:30	H1	Magnonic macroscopic quantum states and supercurrents – \bullet BURKARD
				Hillebrands, Dmytro A. Bozhko, Alexander A. Serga
SYQS 1.2	Wed	15:30 - 16:00	H1	Elementary excitations of magnetic insulators and its heterostructures
				with metals — \bullet Gerrit Bauer
SYQS 1.3	Wed	16:00-16:30	H1	Cavity Spintronics — • CAN-MING HU
SYQS 1.4	Wed	16:45 - 17:15	H1	Hybrid Quantum Systems - Coupling Color Centers to Superconducting
				Cavities — •Johannes Majer
SYQS 1.5	Wed	17:15-17:45	H1	Quantum enhanced sensing with single spins in diamond $-\bullet$ FEDOR
				JELEZKO

Invited talks of the joint symposium SYES See SYES for the full program of the symposium.

SYES 1.1	Fri	9:30-10:00	H1	Intrinsic Transport Coefficients and Momentum Space Berry Curvatures — •ALLAN H MacDonald
SYES 1.2	Fri	10:00-10:30	H1	Berry phase linked spin-orbit torques in Ferromagnetic and Antiferro- magnetic systems — •JAIRO SINOVA
SYES 1.3	Fri	10:30-11:00	H1	Transport in Topological Insulators and Topological Superconductors: In Search of Majorana Fermions — •EWELINA HANKIEWICZ
SYES 1.4	Fri	11:15–11:45	H1	Engineering Topological Quantum States: From 1D to 2D. — •JELENA KLINOVAJA
SYES 1.5	Fri	11:45-12:15	H1	Skyrmions – Topological magnetization solitons for future spintronics – •STEFAN BLÜGEL

Sessions

TT 1.1–1.3	Sun	16:00-18:30	H20	Tutorial: Correlations in Integrable Quantum Many-Body
TT 2.1–2.10	Mon	9:30-12:30	H17	Systems Graphene: Theory
11 2.1 2.10	WIOII	5.00 12.00	1117	(Joint session of DS, DY, HL, MA, O and TT organized by
				HL)
TT 3.1–3.13	Mon	9:30-13:00	H20	Correlated Electrons: Frustrated Magnets - Pyrochlore Sys-
				tems and Iridates
TT 4.1–4.12	Mon	9:30-12:45	H47	Dynamics in many-body systems: Equilibriation and localiza-
				tion (Inist agains of DV and TT appropriated by DV)
TT 5.1 - 5.11	Mon	9:45 - 13:00	H22	(Joint session of DY and TT organized by DY) Transport: Quantum Coherence and Quantum Information
11 0.1 0.11	WIOII	5.45 15.00	1122	Systems - Experiment
				(Joint session of HL, MA and TT organized by TT)
TT 6.1–6.11	Mon	10:00-13:00	H19	Superconductivity: Properties and Electronic Structure
TT 7.1–7.10	Mon	10:15-13:00	H18	Cold Atomic Gases
TT 8.1–8.10	Mon	10:15-13:00	H21	Correlated Electrons: Quantum Impurities, Kondo Physics
TT $9.1 - 9.11$	Mon	10:30-13:30	H24	Graphene: Structure and Dynamics
				(Joint session of DS, DY, HL, MA, O and TT organized by
				0)
TT 10.1–10.4	Mon	11:30-13:00	H10	Focus Session: Single Particle Sources for Electronic Devices
TT 11.1–11.10	Mon	14:45-18:45	H10	(Joint session of HL and TT organized by HL) Focus Session: Single Particle Sources for Electronic Devices
11 11.1-11.10	MOII	14:40-16:40	1110	II
				(Joint session of HL and TT organized by HL)
TT 12.1–12.8	Mon	14:45 - 17:45	H17	Graphene: Transport
				(Joint session of DS, DY, HL, MA, O and TT organized by
				HL)
TT 13.1–13.10	Mon	15:00-17:45	H18	Transport: Topological Insulators - 2D
				(Joint session of DS, HL, MA, O and TT organized by TT)
TT 14.1–14.10	Mon	15:00 - 18:00	H19	Superconductivity: (General) Theory
TT 15.1–15.5	Mon	15:00-17:45	H20	Focus Session: Spectroscopy of Quantum Spin Liquids
TT 16.1–16.10	Mon	15:00-17:45	H21	Transport: Quantum Dots, Quantum Wires, Point Contacts
TT 17.1–17.8	Mon	15:00-17:15	H22	Low-Dimensional Systems: Oxide Hetero-Interfaces
TT 18.1–18.12	Mon	15:00-18:15	H31	Spincaloric Transport
TT 19.1 - 19.56	Mon	15:00 - 18:00	Poster D	(Joint session of MA and TT organized by MA) Superconductivity: Poster Session
TT 20.1–20.6	Mon	15:00-18:00 15:00-18:00	Poster D	Cryotechnique & Measuring Devices: Poster Session
TT $21.1-21.7$	Mon	15:45 - 17:45	H51	Frontiers of Electronic Structure Theory: Focus on Topology
1 1 21.1 21.1	101011	10.10 11.10	1101	and Transport
				(Joint session of DS, HL, MA, MM, O and TT organized by
				MM)
TT 22.1 -22.4	Mon	17:45 - 18:45	H17	Graphene: Fabrication
				(Joint session of DS, DY, HL, MA, O and TT organized by
				HL)

TT 23.1–23.10	Tue	9:30-12:30	H15	Quantum Information Systems (Joint session of HL, MA, O and TT organized by HL)
TT 24.1–24.12	Tue	9:30-13:00	H18	Transport: Weyl Semimetals
TT 25.1–25.5	Tue	9:30-10:45	H18 H19	Superconductivity: Fe-based Superconductors - 1111 & 111
TT $26.1-26.5$	Tue	9:30-12:15	H10 H20	Focus Session: Engineered Magnetic Impurities: Interaction
11 20.1 20.0	Iuc	5.50 12.15	1120	and Superconductivity
TT 27.1–27.12	Tue	9:30-12:45	H22	Transport: Quantum Coherence and Quantum Information
	140	0.000 12.10		Systems - Theory 1
				(Joint session of HL, MA and TT organized by TT)
TT 28.1–28.11	Tue	10:00 - 13:00	H21	Correlated Electrons: Quantum-Critical Phenomena - Exper-
				iment
TT 29.1–29.11	Tue	10:30-13:30	S051	Topology- and Symmetry-Protected Materials
				(Joint session of DS, HL, MA, O and TT organized by O)
TT 30.1–30.7	Tue	11:00-13:00	H19	Superconductivity: Fe-based Superconductors - Theory
TT 31.1–31.2	Tue	12:30-13:00	H8	Topological Insulators: Status Quo and Future Directions
				(Joint session of DS, MA, HL, O and TT organized by DS)
TT 32.1–32.6	Tue	14:00-15:45	H18	Transport: Topological Insulators - 3D
				(Joint session of DS, HL, MA, O and TT organized by TT)
TT 33.1–33.6	Tue	14:00-15:30	H19	Superconductivity: Cryodedetectors & Cryotechnique
TT 34.1–34.8	Tue	14:00-16:00	H20	Correlated Electrons: Frustrated Magnets - Chiral Magnets
				$\& \operatorname{RuCl}_3$
TT 35.1–35.7	Tue	14:00-15:45	H21	Correlated Electrons: Quantum-Critical Phenomena - Theory
TT 36.1–36.4	Tue	14:00-15:00	H22	Transport: Quantum Coherence and Quantum Information
				Systems - Theory 2
	m		1100	(Joint session of HL, MA and TT organized by TT)
TT 37.1–37.6	Tue	14:00-15:45	H23	Transport: Fluctuation and Noise
TT 90 1 90 7	T	14.00 16.00	1104	(Joint session of DY and TT organized by TT)
TT 38.1–38.7	Tue	14:00-16:00	H24	Frontiers of Electronic Structure Theory: Focus on Topology and Transport I
				(Joint session of DS, HL, MA, MM, O and TT organized by
				(50 int session of D5, 112, MA, MM, 0 and 11 organized by $0)$
TT 39.1–39.8	Tue	14:00-16:00	S051	Spintronics
11 0011 0010	140	1100 1000	2001	(Joint session of DS, HL, MA, O and TT organized by O)
TT 40.1–40.3	Tue	14:45 - 15:45	H17	Graphene: Optics
TT 40.1–40.3	Tue	14:45-15:45	H17	
TT 40.1–40.3	Tue	14:45-15:45	H17	Graphene: Optics
TT 40.1–40.3 TT 41.1–41.5	Tue Wed	14:45-15:45 9:30-13:00	H17 H1	Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future
				Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI)
TT 41.1–41.5	Wed	9:30–13:00	H1	Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT)
				 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems
TT 41.1–41.5 TT 42.1–42.13	Wed Wed	9:30-13:00 9:30-13:00	H1 H18	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr
TT 41.1–41.5 TT 42.1–42.13 TT 43.1–43.12	Wed Wed	9:30–13:00 9:30–13:00 9:30–13:00	H1 H18 H20	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr Correlated Electrons: f-Electron & Heavy Fermion Systems
TT 41.1–41.5 TT 42.1–42.13	Wed Wed	9:30-13:00 9:30-13:00	H1 H18	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr Correlated Electrons: f-Electron & Heavy Fermion Systems Transport: Graphene
TT 41.1–41.5 TT 42.1–42.13 TT 43.1–43.12	Wed Wed	9:30–13:00 9:30–13:00 9:30–13:00	H1 H18 H20	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr Correlated Electrons: f-Electron & Heavy Fermion Systems Transport: Graphene (Joint session of DS, DY, HL, MA, O and TT organized by
TT 41.1–41.5 TT 42.1–42.13 TT 43.1–43.12 TT 44.1–44.13	Wed Wed Wed	9:30–13:00 9:30–13:00 9:30–13:00 9:30–13:15	H1 H18 H20 H22	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr Correlated Electrons: f-Electron & Heavy Fermion Systems Transport: Graphene (Joint session of DS, DY, HL, MA, O and TT organized by TT)
TT 41.1–41.5 TT 42.1–42.13 TT 43.1–43.12	Wed Wed	9:30–13:00 9:30–13:00 9:30–13:00	H1 H18 H20	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr Correlated Electrons: f-Electron & Heavy Fermion Systems Transport: Graphene (Joint session of DS, DY, HL, MA, O and TT organized by TT) Spintronics (incl. Quantum Dynamics)
TT 41.1–41.5 TT 42.1–42.13 TT 43.1–43.12 TT 44.1–44.13 TT 45.1–45.10	Wed Wed Wed Wed	9:30–13:00 9:30–13:00 9:30–13:00 9:30–13:15 9:30–12:15	H1 H18 H20 H22 H32	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr Correlated Electrons: f-Electron & Heavy Fermion Systems Transport: Graphene (Joint session of DS, DY, HL, MA, O and TT organized by TT) Spintronics (incl. Quantum Dynamics) (Joint session of MA, HL and TT organized by MA)
TT 41.1-41.5 TT 42.1-42.13 TT 43.1-43.12 TT 44.1-44.13 TT 45.1-45.10 TT 46.1-46.9	Wed Wed Wed Wed	9:30–13:00 9:30–13:00 9:30–13:00 9:30–13:15 9:30–12:15 10:00–12:45	H1 H18 H20 H22 H32 H19	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr Correlated Electrons: f-Electron & Heavy Fermion Systems Transport: Graphene (Joint session of DS, DY, HL, MA, O and TT organized by TT) Spintronics (incl. Quantum Dynamics) (Joint session of MA, HL and TT organized by MA) Superconductivity: Fe-based Superconductors - FeSe
TT 41.1-41.5 TT 42.1-42.13 TT 43.1-43.12 TT 44.1-44.13 TT 45.1-45.10 TT 46.1-46.9 TT 47.1-47.9	Wed Wed Wed Wed Wed	9:30-13:00 9:30-13:00 9:30-13:00 9:30-13:15 9:30-12:15 10:00-12:45 10:30-13:00	H1 H18 H20 H22 H32 H19 H21	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr Correlated Electrons: f-Electron & Heavy Fermion Systems Transport: Graphene (Joint session of DS, DY, HL, MA, O and TT organized by TT) Spintronics (incl. Quantum Dynamics) (Joint session of MA, HL and TT organized by MA) Superconductivity: Fe-based Superconductors - FeSe Correlated Electrons: Other Materials
TT 41.1-41.5 TT 42.1-42.13 TT 43.1-43.12 TT 44.1-44.13 TT 45.1-45.10 TT 46.1-46.9	Wed Wed Wed Wed	9:30–13:00 9:30–13:00 9:30–13:00 9:30–13:15 9:30–12:15 10:00–12:45	H1 H18 H20 H22 H32 H19	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr Correlated Electrons: f-Electron & Heavy Fermion Systems Transport: Graphene (Joint session of DS, DY, HL, MA, O and TT organized by TT) Spintronics (incl. Quantum Dynamics) (Joint session of MA, HL and TT organized by MA) Superconductivity: Fe-based Superconductors - FeSe
TT 41.1-41.5 TT 42.1-42.13 TT 43.1-43.12 TT 44.1-44.13 TT 45.1-45.10 TT 46.1-46.9 TT 47.1-47.9	Wed Wed Wed Wed Wed	9:30-13:00 9:30-13:00 9:30-13:00 9:30-13:15 9:30-12:15 10:00-12:45 10:30-13:00	H1 H18 H20 H22 H32 H19 H21	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr Correlated Electrons: f-Electron & Heavy Fermion Systems Transport: Graphene (Joint session of DS, DY, HL, MA, O and TT organized by TT) Spintronics (incl. Quantum Dynamics) (Joint session of MA, HL and TT organized by MA) Superconductivity: Fe-based Superconductors - FeSe Correlated Electrons: Other Materials Frontiers of Electronic Structure Theory: Focus on Topology
TT 41.1-41.5 TT 42.1-42.13 TT 43.1-43.12 TT 44.1-44.13 TT 45.1-45.10 TT 46.1-46.9 TT 47.1-47.9	Wed Wed Wed Wed Wed	9:30-13:00 9:30-13:00 9:30-13:00 9:30-13:15 9:30-12:15 10:00-12:45 10:30-13:00 10:30-13:00	H1 H18 H20 H22 H32 H19 H21 H24	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr Correlated Electrons: f-Electron & Heavy Fermion Systems Transport: Graphene (Joint session of DS, DY, HL, MA, O and TT organized by TT) Spintronics (incl. Quantum Dynamics) (Joint session of MA, HL and TT organized by MA) Superconductivity: Fe-based Superconductors - FeSe Correlated Electrons: Other Materials Frontiers of Electronic Structure Theory: Focus on Topology and Transport II (Joint session of DS, HL, MA, MM, O and TT organized by O)
TT 41.1-41.5 TT 42.1-42.13 TT 43.1-43.12 TT 44.1-44.13 TT 45.1-45.10 TT 46.1-46.9 TT 47.1-47.9	Wed Wed Wed Wed Wed	9:30-13:00 9:30-13:00 9:30-13:00 9:30-13:15 9:30-12:15 10:00-12:45 10:30-13:00	H1 H18 H20 H22 H32 H19 H21	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr Correlated Electrons: f-Electron & Heavy Fermion Systems Transport: Graphene (Joint session of DS, DY, HL, MA, O and TT organized by TT) Spintronics (incl. Quantum Dynamics) (Joint session of MA, HL and TT organized by MA) Superconductivity: Fe-based Superconductors - FeSe Correlated Electrons: Other Materials Frontiers of Electronic Structure Theory: Focus on Topology and Transport II (Joint session of DS, HL, MA, MM, O and TT organized by O) Symposium on Quantum Signatures in Magnetism (SYQS)
TT 41.1–41.5 TT 42.1–42.13 TT 43.1–43.12 TT 44.1–44.13 TT 45.1–45.10 TT 46.1–46.9 TT 47.1–47.9 TT 48.1–48.10 TT 49.1–49.5	Wed Wed Wed Wed Wed Wed	9:30-13:00 9:30-13:00 9:30-13:00 9:30-13:15 9:30-12:15 10:00-12:45 10:30-13:00 10:30-13:00 15:00-17:45	H1 H18 H20 H22 H32 H19 H21 H24 H1	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr Correlated Electrons: f-Electron & Heavy Fermion Systems Transport: Graphene (Joint session of DS, DY, HL, MA, O and TT organized by TT) Spintronics (incl. Quantum Dynamics) (Joint session of MA, HL and TT organized by MA) Superconductivity: Fe-based Superconductors - FeSe Correlated Electrons: Other Materials Frontiers of Electronic Structure Theory: Focus on Topology and Transport II (Joint session of DS, HL, MA, MM, O and TT organized by O) Symposium on Quantum Signatures in Magnetism (SYQS) (Joint symposium of HL, MA, O and TT organized by MA)
TT 41.1–41.5 TT 42.1–42.13 TT 43.1–43.12 TT 44.1–44.13 TT 45.1–45.10 TT 45.1–45.10 TT 46.1–46.9 TT 47.1–47.9 TT 48.1–48.10 TT 49.1–49.5 TT 50.1–50.15	Wed Wed Wed Wed Wed Wed	9:30–13:00 9:30–13:00 9:30–13:00 9:30–13:15 9:30–12:15 10:00–12:45 10:30–13:00 10:30–13:00 10:30–13:00	H1 H18 H20 H22 H32 H19 H21 H24 H1 H18	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr Correlated Electrons: f-Electron & Heavy Fermion Systems Transport: Graphene (Joint session of DS, DY, HL, MA, O and TT organized by TT) Spintronics (incl. Quantum Dynamics) (Joint session of MA, HL and TT organized by MA) Superconductivity: Fe-based Superconductors - FeSe Correlated Electronic Structure Theory: Focus on Topology and Transport II (Joint session of DS, HL, MA, MM, O and TT organized by O) Symposium on Quantum Signatures in Magnetism (SYQS) (Joint symposium of HL, MA, O and TT organized by MA)
TT 41.1-41.5 TT 42.1-42.13 TT 43.1-43.12 TT 44.1-44.13 TT 45.1-45.10 TT 45.1-45.10 TT 46.1-46.9 TT 47.1-47.9 TT 48.1-48.10 TT 49.1-49.5 TT 50.1-50.15 TT 51.1-51.14	Wed Wed Wed Wed Wed Wed Wed	9:30–13:00 9:30–13:00 9:30–13:00 9:30–13:15 9:30–12:15 10:00–12:45 10:30–13:00 10:30–13:00 10:30–13:00 10:30–13:00	H1 H18 H20 H22 H32 H19 H21 H24 H1 H18 H19	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr Correlated Electrons: f-Electron & Heavy Fermion Systems Transport: Graphene (Joint session of DS, DY, HL, MA, O and TT organized by TT) Spintronics (incl. Quantum Dynamics) (Joint session of MA, HL and TT organized by MA) Superconductivity: Fe-based Superconductors - FeSe Correlated Electronic Structure Theory: Focus on Topology and Transport II (Joint session of DS, HL, MA, MM, O and TT organized by O) Symposium on Quantum Signatures in Magnetism (SYQS) (Joint symposium of HL, MA, O and TT organized by MA) Correlated Electrons: Frustrated Magnets - Theory Superconductivity: Tunneling, Josephson Junctions, SQUIDs
TT 41.1–41.5 TT 42.1–42.13 TT 43.1–43.12 TT 44.1–44.13 TT 45.1–45.10 TT 45.1–45.10 TT 46.1–46.9 TT 47.1–47.9 TT 48.1–48.10 TT 49.1–49.5 TT 50.1–50.15	Wed Wed Wed Wed Wed Wed	9:30–13:00 9:30–13:00 9:30–13:00 9:30–13:15 9:30–12:15 10:00–12:45 10:30–13:00 10:30–13:00 10:30–13:00	H1 H18 H20 H22 H32 H19 H21 H24 H1 H18	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr Correlated Electrons: f-Electron & Heavy Fermion Systems Transport: Graphene (Joint session of DS, DY, HL, MA, O and TT organized by TT) Spintronics (incl. Quantum Dynamics) (Joint session of MA, HL and TT organized by MA) Superconductivity: Fe-based Superconductors - FeSe Correlated Electronic Structure Theory: Focus on Topology and Transport II (Joint session of DS, HL, MA, MM, O and TT organized by O) Symposium on Quantum Signatures in Magnetism (SYQS) (Joint symposium of HL, MA, O and TT organized by MA) Correlated Electrons: Frustrated Magnets - Theory Superconductivity: Tunneling, Josephson Junctions, SQUIDs Focus Session: Realistic Dynamical Mean-Field Approaches
TT 41.1-41.5 TT 42.1-42.13 TT 43.1-43.12 TT 44.1-44.13 TT 45.1-45.10 TT 45.1-45.10 TT 46.1-46.9 TT 47.1-47.9 TT 48.1-48.10 TT 49.1-49.5 TT 50.1-50.15 TT 51.1-51.14 TT 52.1-52.6	Wed Wed Wed Wed Wed Wed Wed Wed	9:30-13:00 9:30-13:00 9:30-13:00 9:30-13:15 9:30-12:15 10:00-12:45 10:30-13:00 10:30-13:00 10:30-13:00 15:00-17:45 15:00-19:15 15:00-19:00 15:00-18:15	H1 H18 H20 H22 H32 H19 H21 H24 H1 H18 H19 H20	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr Correlated Electrons: f-Electron & Heavy Fermion Systems Transport: Graphene (Joint session of DS, DY, HL, MA, O and TT organized by TT) Spintronics (incl. Quantum Dynamics) (Joint session of MA, HL and TT organized by MA) Superconductivity: Fe-based Superconductors - FeSe Correlated Electrons: Other Materials Frontiers of Electronic Structure Theory: Focus on Topology and Transport II (Joint session of DS, HL, MA, MM, O and TT organized by O) Symposium on Quantum Signatures in Magnetism (SYQS) (Joint symposium of HL, MA, O and TT organized by MA) Correlated Electrons: Frustrated Magnets - Theory Superconductivity: Tunneling, Josephson Junctions, SQUIDs Focus Session: Realistic Dynamical Mean-Field Approaches to Correlated Quantum Materials
TT 41.1-41.5 TT 42.1-42.13 TT 43.1-43.12 TT 44.1-44.13 TT 45.1-45.10 TT 45.1-45.10 TT 46.1-46.9 TT 47.1-47.9 TT 48.1-48.10 TT 49.1-49.5 TT 50.1-50.15 TT 51.1-51.14	Wed Wed Wed Wed Wed Wed Wed	9:30–13:00 9:30–13:00 9:30–13:00 9:30–13:15 9:30–12:15 10:00–12:45 10:30–13:00 10:30–13:00 10:30–13:00 10:30–13:00	H1 H18 H20 H22 H32 H32 H19 H21 H24 H1 H18 H19	 Graphene: Optics (Joint session of DS, DY, HL, MA, O and TT organized by HL) Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organized by TT) Correlated Electrons: Frustrated Magnets - Cu-based Systems & FeCr Correlated Electrons: f-Electron & Heavy Fermion Systems Transport: Graphene (Joint session of DS, DY, HL, MA, O and TT organized by TT) Spintronics (incl. Quantum Dynamics) (Joint session of MA, HL and TT organized by MA) Superconductivity: Fe-based Superconductors - FeSe Correlated Electronic Structure Theory: Focus on Topology and Transport II (Joint session of DS, HL, MA, MM, O and TT organized by O) Symposium on Quantum Signatures in Magnetism (SYQS) (Joint symposium of HL, MA, O and TT organized by MA) Correlated Electrons: Frustrated Magnets - Theory Superconductivity: Tunneling, Josephson Junctions, SQUIDs Focus Session: Realistic Dynamical Mean-Field Approaches

TT 55.1–55.12	Wed	15:00-18:30	H24	Frontiers of Electronic Structure Theory: Focus on Topology and Transport III
				(Joint session of DS, HL, MA, MM, O and TT organized by O)
TT 56.1–56.12	Wed	15:00 - 18:00	S053	Graphene: Adsorption, Intercalation and Doping
11 30.1-30.12	wea	15:00-16:00	5055	(Joint session of DS, DY, HL, MA, O and TT organized by
				(50 m session of DS, D1, mL, mA, O and 11 organized by 0)
TT 57.1–57.10	Wed	15:00 - 17:45	H32	Topological Insulators
11 0111 01110	mea	10100 11110	110-	(Joint session of MA, DS, HL, O and TT organized by MA)
TT 58.1–58.54	Wed	15:00 - 18:30	Poster D	Transport: Poster Session
TT 59.1–59.22	Wed	15:00 - 18:30	Poster D	Low-Dimensional Systems: Poster Session
TT 60.1–60.7	Wed	18:15 - 20:30	Poster A	Frontiers of Electronic Structure Theory: Focus on Topology
				and Transport
				(Joint session of DS, HL, MA, MM, O and TT organized by
				0)
TT 61.1–61.13	Thu	9:30-13:00	H18	Correlated Electrons: (General) Theory 1
TT 62.1–62.6	Thu	9:30-12:45	H20	Focus Session: High Temperature Superconductivity in Hy-
				drides
TT 63.1–63.13	Thu	9:30-13:00	H21	Low-Dimensional Systems: 2D - Theory
TT 64.1–64.13	Thu	9:30-13:00	H22	Correlated Electrons: Nonequilibrium Quantum Many-Body
	-			Systems 1
TT 65.1–65.13	Thu	9:30-13:00	H23	Transport: Molecular Electronics and Photonics 1
				(Joint session of CPP, DS, HL, MA, O and TT organized by
TT CC 1 CC 11	T 1	0.20 10.20	1194	TT) Marriatia Hanalar Matariala Samirustala and Oscidar
TT 66.1–66.11	Thu	9:30-12:30	H34	Magnetic Heusler Materials, Semimetals und Oxides (Joint session of MA and TT organized by MA)
TT 67.1–67.11	Thu	10:30-13:30	H4	Oxides and Insulator Surfaces: Structure, Epitaxy and
11 07.1-07.11	Inu	10.30-13.30	114	Growth
				(Joint session of O and TT organized by O)
TT 68.1–68.9	Thu	10:30 - 13:00	H19	Transport: Majorana Fermions
TT 69.1–69.9	Thu	10:30-13:15	H24	Frontiers of Electronic Structure Theory: Focus on Topology
				and Transport IV
				(Joint session of DS, HL, MA, MM, O and TT organized by
				O)
TT 70.1 -70.9	Thu	10:30-12:45	S053	Graphene: Electronic Properties
				(Joint session of DS, DY, HL, MA, O and TT organized by
				0)
TT 71.1–71.11	Thu	10:30-13:30	S054	2D Materials beyond Graphene -Dynamics and Excitation
				(Joint session of DS, DY, HL, MA, O and TT organized by
	T 1		TT 4 0	0)
TT 72.1–72.8	Thu	14:45-17:15	H10	Topological Insulators I
	τu	15 00 10 00	1110	(Joint session of DS, HL, MA, O and TT organized by HL)
TT 73.1-73.10	Thu Thu	15:00-18:00	H19 1120	Low-Dimensional Systems: Topological Order
TT 74.1–74.5	Thu	15:00-17:45	H20	Focus Session: Many-Body Interference and Quantum Statis- tical Physics
				(Joint session of DY and TT organized by DY)
TT 75.1–75.4	Thu	15:00 - 16:00	H23	Transport: Molecular Electronics and Photonics 2
11 10.1 10.4	Inu	10.00 10.00	1120	(Joint session of CPP, DS, HL, MA, O and TT organized by
				TT)
TT 76.1–76.13	Thu	15:00 - 18:15	H24	Frontiers of Electronic Structure Theory: Focus on Topology
				and Transport V
				(Joint session of DS, HL, MA, MM, O and TT organized by
				Ö)
TT 77.1 -77.9	Thu	15:00-17:30	H34	Multiferroics
			_	(Joint session of MA, DF, DS, KR and TT organized by MA)
TT 78.1–78.63	Thu	15:00-18:30	Poster D	Correlated Electrons: Poster Session
TT 79.1-79.11	Thu	15:30-18:30	H21	Superconductivity: Fe-based Superconductors - 122
TT 80.1-80.9	Thu Thu	16:00-18:30	H18 1192	Correlated Electrons: (General) Theory 2
TT 81.1–81.7	Thu	16:15-18:30	H23	Transport: Spintronics and Magnetotransport (Joint session of DS, HL, MA and TT organized by TT)
				(John session of DS, HL, MA and 11 organized by 11)

Regensburg 2	016 –	TT		Overview
TT 82.1–82.8	Thu	16:30-18:30	H22	Correlated Electrons: Nonequilibrium Quantum Many-Body Systems 2
TT 83.1–83.5	Fri	9:30-12:15	H1	Symposium on Frontiers of Electronic Structure Theory: Fo- cus on Topology and Transport (SYES) (Joint symposium of DS, HL, MA, MM, O and TT organized by O)
TT 84.1–84.8	Fri	9:30-12:00	H15	Topological Insulators II (Joint session of DS, HL, MA, O and TT organized by O)
TT 85.1–85.10	Fri	10:30-13:00	S051	(Joint session of O and TT organized by O)
TT 86.1–86.10	Fri	10:30-13:00	S051	Graphene: Electronic Properties and Structure (Joint session of DS, DY, HL, MA, O and TT organized by O)

Annual General Meeting of the Low Temperature Physics Division

Thursday 18:45 H19