

Low Temperature Physics Division Fachverband Tiefe Temperaturen (TT)

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Overview of Invited Talks and Sessions

(Lecture Rooms H 0104, H 0110, H 2053, H 3005, H 3010, A 053, HFT-FT 101 and HFT-FT 131; Poster B)

Tutorial “Quantum Technologies (joint session HL/TT)”

HL 1.1	Sun	16:00–16:35	H 0105	Quantum Technology - how is research funded? — ●GERD LEUCHS
HL 1.2	Sun	16:40–17:15	H 0105	Superconducting Quantum Circuits — ●RUDOLF GROSS
HL 1.3	Sun	17:15–17:50	H 0105	Josephson junction based interferometers and amplifiers — ●SEBASTIAN KEMPF
HL 1.4	Sun	17:50–18:25	H 0105	Manipulation of quantum bits based on defect centres in diamond — ●OLIVER BENSON

Plenaries

PLV IV	Mon	14:00–14:45	H 0104	Fast Parametric Interactions Between Superconducting Quantum Circuits — ●RAYMOND W SIMMONDS
PLV VII	Wed	8:30– 9:15	H 0105	Nanoscale thermal imaging of dissipation in quantum systems — ●ELI ZELDOV

Focus on Topology

Plenaries

PLV II	Mon	8:30– 9:15	H 0105	Imaging Topological Electrons in Low Dimensions: from the Inorganic to the Organic — ●MICHAEL F. CROMMIE
PLV XI	Thu	8:30– 9:15	H 0105	Emergent properties and functions of topological magnets — ●YOSHINORI TOKURA

Symposium “Topology in Condensed Matter Physics (SYTO)”

See SYTO for the abstracts of the symposium.

SYTO 1.1	Wed	9:30–10:00	H 0105	Beyond Topologically Ordered States: Insights from Entanglement — ●B. ANDREI BERNEVIG
SYTO 1.2	Wed	10:00–10:30	H 0105	Topological Magnon Materials — ●INGRID MERTIG
SYTO 1.3	Wed	10:30–11:00	H 0105	Topological Order of Interacting Polymers on a Substrate — ●VINCENZO VITELLI
SYTO 1.4	Wed	11:15–11:45	H 0105	Quantization of Heat Flow in Fractional Quantum Hall States — ●MOTY HEIBLUM
SYTO 1.5	Wed	11:45–12:15	H 0105	Currents and Phases in Quantum Rings — ●KATHRYN MOLER

Focus Session “Chiral Topological Superconductors and Majorana Fermions” (organized by TT)

TT 32.1	Tue	9:30–10:00	H 0104	Spin-Triplet Superconductivity in the Ruthenate — •YOSHITERU MAENO
TT 32.2	Tue	10:00–10:30	H 0104	Paths Towards Chiral d-wave Superconductivity — •RONNY THOMALE
TT 32.3	Tue	10:30–11:00	H 0104	Towards the Design of Majorana Bound States in Artificially Constructed Magnetic Atom Chains on Elemental Superconductors — •ROLAND WIESENDANGER
TT 32.4	Tue	11:15–11:45	H 0104	Design of Majorana Modes: From Magnetic Skyrmions to Dimensional Tuning — •DIRK MORR
TT 32.5	Tue	11:45–12:15	H 0104	Experimental Hints of Topological Superconductivity in Hybrid Ferromagnet-Superconductor Systems — •TRISTAN CREN

Focus Session “Topological Defects in Superconductors and Magnets” (organized by TT)

TT 60.1	Wed	15:00–15:30	H 0104	Stability and Emergent Electrodynamics of Skyrmions — •CHRISTIAN PFLEIDERER
TT 60.2	Wed	15:30–16:00	H 0104	Optical Manipulation of Single Flux Quanta — •PHILIPPE TAMARAT
TT 60.3	Wed	16:00–16:30	H 0104	Skyrmion Lattices in Random and Ordered Potential Landscapes — •CHARLES REICHHARDT
TT 60.4	Wed	16:45–17:15	H 0104	Hedgehog Spin-Vortex Crystal Magnetic Order in Superconducting $\text{CaK}(\text{Fe}_{1-x}\text{M}_x)_4\text{As}_4$ (M=Co, Ni) — •ANNA BÖHMER
TT 60.5	Wed	17:15–17:45	H 0104	Geometric Frustration and Ratchet Effect of Vortices in an Artificial-Spin/Superconductor Hybrid — •ZHI-LI XIAO

Focus Session “Quantum Turbulence and Imaging of Quantum Flow of Superfluids” (organized by TT)

TT 77.1	Thu	9:30–10:00	H 0104	Quantum Turbulence: New Aspects of an Old Problem — •CARLO F. BARENGHI
TT 77.2	Thu	10:00–10:30	H 0104	Numerical Simulation of Quantum Turbulence — •MAKOTO TSUBOTA
TT 77.3	Thu	10:30–11:00	H 0104	Visualising Pure Quantum Turbulence in Fermionic Superfluid — •VIKTOR TSEPELIN
TT 77.4	Thu	11:15–11:45	H 0104	Experimental Exploration of Intense Quantum Turbulence with He-II — •PHILIPPE-E. ROCHE
TT 77.5	Thu	11:45–12:15	H 0104	Visualization of Superfluid Helium Flows — •MARCO LA MANTIA

Focus Sessions “Spinorbitronics - From Efficient Charge/Spin Conversion Based on Spin-Orbit Coupling to Chiral Magnetic Skyrmions I–III” (organized by MA)

See MA for the abstracts of the talks.

MA 40.1	Thu	9:30–10:00	H 1012	Understanding Spin-Charge Conversion in Topological Insulators — •AURELIEN MANCHON
MA 40.5	Thu	11:15–11:45	H 1012	Interfacial spin-orbitronic: Rashba interfaces and topological insulators as efficient spin-charge current converters — •JUAN-CARLOS ROJAS-SANCHEZ
MA 47.1	Thu	15:00–15:30	H 1012	Spin orbit fields at the Fe/GaAs(001) interface — •CHRISTIAN BACK
MA 57.1	Fri	9:30–10:00	H 1012	Manipulation of interface-induced Skyrmions studied with STM — •KIRSTEN VON BERGMANN
MA 57.6	Fri	11:30–12:00	H 1012	Magnonics in skyrmion-hosting chiral magnetic materials — •MARKUS GARST

Invited Talks not included in Focus Sessions and Symposia

TT 9.1	Mon	9:30–10:00	HFT-FT 101	Unconventional Superconductivity in Quantum-Dot Systems — •STEPHAN WEISS
TT 5.8	Mon	11:30–12:00	H 3005	Superconductivity in YbRh_2Si_2 — •ERWIN SCHUBERTH

TT 34.1	Tue	9:30–10:00	H 2053	Non-Equilibrium Spin- and Charge Transport Phenomena in Superconductor-Ferromagnet Hybrid Structures — •TORSTEN PIETSCH
TT 49.1	Wed	9:30–10:00	H 2053	Parametric Amplification in Josephson Circuits with Non-Centrosymmetric Nonlinearity — •ALEXANDER ZORIN
TT 51.1	Wed	9:30–10:00	H 3010	Electronic Squeezing of Pumped Phonons: Negative U and Transient Superconductivity — •DANTE M. KENNES
TT 50.8	Wed	11:30–12:00	H 3005	Critical Phonon Softening Near a Structural Instability at $T = 0$ — •OLIVER STOCKERT
TT 61.1	Wed	15:00–15:30	H 2053	Quantum Thermodynamics on Superconducting Qubits — •JUKKA PEKOLA
TT 62.1	Wed	15:00–15:30	H 3010	Efficient Simulation of Quantum Thermalization and Dynamics — •FRANK POLLMANN
TT 93.1	Thu	15:00–15:30	H 2053	Non-Markovian Quantum Thermodynamics: Second Law and Fluctuation Theorems — •ROBERT S WHITNEY
TT 94.6	Thu	16:30–17:00	H 3010	Discrete Time Crystals — •RODERICH MOESSNER
TT 103.1	Thu	17:15–17:45	H 2053	From Fundamental Principles to Applications: Cryogenic Micro-Calorimeters — •CHRISTIAN ENSS

Other Focus Sessions organized by TT

“Recent Developments in Computational Many Body Physics”

TT 2.1	Mon	9:30–10:00	H 0104	Revealing Fermionic Quantum Criticality from New Monte Carlo Techniques — •ZI YANG MENG
TT 2.2	Mon	10:00–10:30	H 0104	Computational Approaches to Many-Body Localization — •DAVID J. LUITZ
TT 2.3	Mon	10:30–11:00	H 0104	Tensor Network Techniques and Dynamical Systems — •IGNACIO CIRAC
TT 2.4	Mon	11:15–11:45	H 0104	Digital Quantum Simulation — •BELA BAUER
TT 2.5	Mon	11:45–12:15	H 0104	Quantum Monte Carlo Simulation of Coupled Fermion-Boson Systems — •MARTIN HOHENADLER
TT 2.6	Mon	12:15–12:45	H 0104	Machine Learning Methods for Quantum Many-Body Physics — •GIUSEPPE CARLEO

“Mesoscopic Superconductivity and Quantum Circuits”

TT 105.1	Fri	9:30–10:00	H 0104	New Hardware Components for Scalable Quantum Computers — •DAVID DIVINCENZO
TT 105.2	Fri	10:00–10:30	H 0104	Quantum Communication with Propagating Microwaves — •FRANK DEPPE
TT 105.3	Fri	10:30–11:00	H 0104	Dynamics of a Qubit While Simultaneously Monitoring its Relaxation and Dephasing — •BENJAMIN HUARD
TT 105.4	Fri	11:15–11:45	H 0104	Estimating the Error of an Analog Quantum Simulator by Additional Measurements — •MICHAEL MARTHALER
TT 105.5	Fri	11:45–12:15	H 0104	On-demand distribution of quantum information between superconducting cavity quantum memories — •WOLFGANG PFAFF
TT 105.6	Fri	12:15–12:35	H 0104	Quantum Simulation of Light-Matter Interaction — •JOCHEN BRAUMÜLLER

Other Symposia with TT Participation

Symposium “2D Materials (SYDM)”

See SYDM for the abstracts of the symposium.

SYDM 1.1	Thu	15:00–15:30	H 0105	Bending, pulling, and cutting wrinkled two-dimensional materials — •KIRILL BOLOTIN
SYDM 1.2	Thu	15:30–16:00	H 0105	Ultrafast valley and spin dynamics in single-layer transition metal dichalcogenides — •ALEJANDRO MOLINA-SANCHEZ

SYDM 1.3	Thu	16:00–16:30	H 0105	Interlayer excitons in layered semiconductor transition metal dichalcogenides — ●STEFFEN MICHAELIS DE VASCONCELLOS
SYDM 1.4	Thu	16:45–17:15	H 0105	Exploring exciton physics in liquid-exfoliated 2D materials — ●CLAUDIA BACKES
SYDM 1.5	Thu	17:15–17:45	H 0105	A Progress Report on Electron Transport in MXenes; A New Family of 2D Materials — ●MICHEL BARSOUM

Other Joint Focus Sessions

“Quantum Nanophotonics in Solid State Systems: Status, Challenges and Perspectives I–II ” (organized by HL)

See HL for the abstracts of the talks.

HL 16.1	Tue	9:30–10:00	EW 201	Exploring the limits of position measurement with optomechanics — ●TOBIAS J. KIPPENBERG
HL 16.2	Tue	10:00–10:30	EW 201	On-chip integration of superconducting single photon detectors — ●WOLFRAM PERNICE
HL 16.5	Tue	11:15–11:45	EW 201	Integrated III-V nonlinear quantum optical devices — ●GREGOR WEIHS
HL 16.12	Tue	14:00–14:30	EW 201	Hybrid waveguide platforms for quantum optics — ●MICHAL BAJCSY
HL 25.1	Wed	9:30–10:00	EW 201	The quantum knitting machine: a quantum dot as device for deterministic production of cluster states of many entangled photons — ●DAVID GERSHONI
HL 25.7	Wed	11:30–12:00	EW 201	Exploiting the Bright and the Dark Side of Deterministic Solid-State Quantum-Light Sources — ●TOBIAS HEINDEL

“Frontiers of Electronic-Structure Theory: Correlated Electron Materials I–VIII”(organized by O)

See O for the abstracts of the talks.

O 31.1	Tue	10:30–11:00	HL 001	Control and prediction of molecular crystal properties by multilevel strategies — ●JAN GERIT BRANDENBURG
O 31.2	Tue	11:00–11:30	HL 001	Advances in first-principles and model spin Hamiltonian simulations of point defects in semiconductors for quantum sensors and computing — ●VIKTOR IVÁDY
O 31.3	Tue	11:30–12:00	HL 001	Recent advances in first-principles modelling of correlated magnetic materials — ●YAROSLAV KVASHNIN
O 31.4	Tue	12:00–12:30	HL 001	A first-principles approach to hot-electron-induced ultrafast dynamics at metal surfaces — ●REINHARD J. MAURER
O 31.5	Tue	12:30–13:00	HL 001	Temperature effects in spin-orbit physics from first principles — ●BARTOMEU MONSERRAT
O 62.1	Wed	10:30–11:00	HL 001	Correlating electrons via adiabatic connection approach: a general formalism, approximations, and applications — ●KATARZYNA PERNAL
O 72.1	Wed	15:00–15:30	HL 001	Computational Approach to the Electronic Structure of Strongly Correlated Materials: Towards Theoretical Spectroscopy and Theory Assisted Material Design — ●GABRIEL KOTLIAR
O 102.1	Thu	15:00–15:30	HL 001	Recent developments in FCIQMC: real-time propagation and improved convergence with walker number — ●ALI ALAVI

“Exploiting Spintronics for Unconventional Computing” (organized by MA)

See MA for the abstracts of the talks.

MA 24.1	Wed	9:30–10:00	H 1012	Control of Mesoscopic Magnetism for Computation — ●LAURA HEYDERMAN
MA 24.3	Wed	10:15–10:45	H 1012	Spin waves for unconventional computing and data processing — ●PHILIPP PIRRO
MA 24.4	Wed	11:00–11:30	H 1012	p-bits, p-transistors and p-circuits — ●KEREM CAMSARI
MA 24.6	Wed	11:45–12:15	H 1012	Bits and Brains: New materials and brain-inspired concepts for low energy information processing — ●THEO RASING

“Chaos and Correlation in Quantum Matter” (organized by DY)

See DY for the abstracts of the talks.

DY 36.1	Wed	9:30–10:00	EB 107	Computing quantum thermalization dynamics: from quantum chaos to emergent hydrodynamics — ●EHUD ALTMAN
DY 36.6	Wed	11:15–11:45	EB 107	Quantum Thermalization Dynamics: From Information Scrambling to Emergent Hydrodynamics — ●MICHAEL KNAP

“Emergent Phenomena in Driven Quantum Many-Body Systems” (organized by DY)

See DY for the abstracts of the talks.

DY 55.1	Thu	9:30–10:00	EB 107	Nuclear and electronic dynamics in ultrafast photoinduced charge separation — ●CARLO ANDREA ROZZI
DY 55.2	Thu	10:00–10:30	EB 107	Theory of pump-probe spectroscopy: Ultrafast laser engineering of ordered phases and microscopic couplings — ●MICHAEL SENTEF

All sessions

TT 1.1–1.4	Sun	16:00–18:25	H 0105	Tutorial: Quantum Technologies (joint session HL/TT/TUT)
TT 2.1–2.6	Mon	9:30–12:45	H 0104	Focus Session: Recent Developments in Computational Many Body Physics (joint session TT/DY)
TT 3.1–3.13	Mon	9:30–13:00	H 0110	Superconductivity: Properties and Electronic Structure I
TT 4.1–4.13	Mon	9:30–13:00	H 2053	Superconductivity: Qubits I
TT 5.1–5.12	Mon	9:30–13:00	H 3005	f-Electron Systems and Heavy Fermions I
TT 6.1–6.13	Mon	9:30–13:00	H 3010	Quantum Magnets and Molecular Magnets (joint session TT/MA)
TT 7.1–7.13	Mon	9:30–13:00	A 053	Topological Semimetals I
TT 8.1–8.13	Mon	9:30–13:00	A 151	Topological Insulators I (joint session HL/TT)
TT 9.1–9.12	Mon	9:30–13:00	HFT-FT 101	Quantum Dots, Quantum Wires, Point Contacts
TT 10.1–10.14	Mon	9:30–13:15	EB 301	Heusler Compounds, Semimetals and Oxides (joint session MA/TT)
TT 11.1–11.10	Mon	9:30–12:45	EMH 225	Ferroelectric Domain Walls I (joint session KFM/TT)
TT 12.1–12.10	Mon	10:00–12:45	EB 107	Dynamics in Many-Body Systems: Interference, Equilibration and Localization I (joint session DY/TT)
TT 13.1–13.11	Mon	10:30–13:15	MA 043	Graphene: Electronic Properties, Structure and Substrate Interaction I (joint session O/TT)
TT 14.1–14.10	Mon	10:30–13:00	HL 001	Frontiers of Electronic-Structure Theory: Correlated Electron Materials I (joint session O/MM/DS/TT/ CPP)
TT 15.1–15.14	Mon	15:00–18:45	H 0104	Dual-Method Approaches to Quantum Many-Body Systems I
TT 16.1–16.9	Mon	15:00–17:30	H 0110	Superconductivity: Properties and Electronic Structure II
TT 17.1–17.8	Mon	15:00–17:00	H 2053	Superconductivity: Qubits II
TT 18.1–18.9	Mon	15:00–17:30	H 3005	f-Electron Systems and Heavy Fermions II
TT 19.1–19.12	Mon	15:00–18:15	H 3010	Frustrated Magnets - Spin Liquids - Theory
TT 20.1–20.14	Mon	15:00–18:45	A 053	Topological Semimetals II
TT 21.1–21.9	Mon	15:00–17:30	A 151	Topological Insulators II (joint session HL/TT)
TT 22.1–22.10	Mon	15:00–17:45	HFT-FT 101	Superconductivity: Topological Defects in Superconductors and Magnets (joint session TT/MA)
TT 23.1–23.6	Mon	15:00–16:30	MA 043	Graphene: Adsorption, Intercalation and Doping I (joint session O/TT)
TT 24.1–24.6	Mon	16:45–18:15	MA 043	Graphene: Adsorption, Intercalation and Doping II (joint session O/TT)
TT 25.1–25.9	Mon	15:00–17:15	HL 001	Frontiers of Electronic-Structure Theory: Correlated Electron Materials II (joint session O/MM/DS/TT/ CPP)

TT 26.1–26.12	Mon	15:00–18:30	EB 301	Skymions I (joint session MA/KFM/TT)
TT 27.1–27.10	Mon	15:00–18:30	EMH 225	Ferroelectric Domain Walls II (joint session KFM/TT)
TT 28.1–28.18	Mon	15:00–19:00	Poster B	Poster Session: Topological Topics
TT 29.1–29.16	Mon	15:00–19:00	Poster B	Poster Session: Cryogenic Particle Detectors and Cryotechnique
TT 30.1–30.7	Mon	15:00–19:00	Poster B	Poster Session: Disordered Quantum Systems
TT 31.1–31.9	Mon	15:30–17:45	EB 107	Dynamics in Many-Body Systems: Interference, Equilibration and Localization II (joint session DY/TT)
TT 32.1–32.7	Tue	9:30–12:45	H 0104	Focus Session: Chiral Topological Superconductors and Majorana Fermions
TT 33.1–33.8	Tue	9:30–11:30	H 0110	Nanotubes and Nanoribbons
TT 34.1–34.12	Tue	9:30–13:00	H 2053	Superconductivity: Tunneling and Josephson Junctions
TT 35.1–35.13	Tue	9:30–13:00	A 053	Superconductivity: Fe-based Superconductors - 122 and Theory
TT 36.1–36.10	Tue	9:30–12:15	HFT-FT 101	Correlated Electrons: 1D Theory
TT 37.1–37.13	Tue	9:30–13:15	EB 301	Skymions II (joint session MA/TT/KFM)
TT 38.1–38.12	Tue	9:30–12:45	EB 407	Magnetocaloric Effects (joint session MA/TT)
TT 39.1–39.17	Tue	9:30–15:45	EW 201	Focus Session: Quantum Nanophotonics in Solid State Systems I (joint session HL/TT)
TT 40.1–40.11	Tue	10:00–13:00	H 3010	Dual-Method Approaches to Quantum Many-Body Systems II
TT 41.1–41.10	Tue	10:15–13:00	H 3005	Frustrated Magnets - Spin Liquids - Experiments
TT 42.1–42.10	Tue	10:15–13:00	HFT-FT 131	Charge Order
TT 43.1–43.10	Tue	10:30–13:15	MA 043	Graphene: Electronic Properties, Structure and Substrate Interaction II (joint session O/TT)
TT 44.1–44.5	Tue	10:30–13:00	HL 001	Focus Session: Frontiers of Electronic-Structure Theory: Correlated Electron Materials III (joint session O/MM/DS/TT/ CPP)
TT 45.1–45.5	Tue	11:45–13:00	H 0110	Nano- and Optomechanics
TT 46.1–46.13	Tue	18:15–20:30	Poster A	Poster Session: Graphene (joint session O/TT)
TT 47.1–47.12	Wed	9:30–12:45	H 0104	Frustrated Magnets - Iridates and Fe-based Materials
TT 48.1–48.6	Wed	9:30–12:15	H 1012	Focus Session: Exploiting Spintronics for Unconventional Computing (joint session MA/TT)
TT 49.1–49.12	Wed	9:30–13:00	H 2053	Superconductivity: Superconducting Electronics I
TT 50.1–50.12	Wed	9:30–13:00	H 3005	Quantum-Critical Phenomena I
TT 51.1–51.12	Wed	9:30–13:00	H 3010	Nonequilibrium Quantum Many-Body Systems I (joint session TT/DY)
TT 52.1–52.13	Wed	9:30–13:00	HFT-FT 101	Superconductivity: Fe-based Superconductors - FeSe and LiFeAs
TT 53.1–53.7	Wed	9:30–11:15	HFT-FT 131	Quantum Impurities and Kondo Physics
TT 54.1–54.8	Wed	9:30–12:15	EB 107	Focus Session: Chaos and Correlation in Quantum Matter (joint session DY/TT)
TT 55.1–55.11	Wed	9:30–12:45	EMH 225	Multiferroic Oxide Thin Films and Heterostructures I (joint session KFM/TT/MA)
TT 56.1–56.12	Wed	9:30–13:15	EW 201	Focus Session: Quantum Nanophotonics in Solid State Systems II (joint session HL/TT)
TT 57.1–57.5	Wed	10:00–11:15	A 053	Topological Semimetals III
TT 58.1–58.9	Wed	10:30–13:00	HL 001	Frontiers of Electronic-Structure Theory: Correlated Electron Materials IV (joint session O/MM/DS/TT/ CPP)
TT 59.1–59.5	Wed	11:45–13:00	A 053	Topological Insulators I (joint session TT/MA)
TT 60.1–60.5	Wed	15:00–17:45	H 0104	Focus Session: Topological Defects in Superconductors and Magnets (joint session TT/MA)
TT 61.1–61.6	Wed	15:00–16:45	H 2053	Superconductivity: Superconducting Electronics II and Cryotechnique
TT 62.1–62.12	Wed	15:00–18:30	H 3010	Nonequilibrium Quantum Many-Body Systems II (joint session TT/DY)
TT 63.1–63.7	Wed	15:00–16:45	A 053	Topology: Quantum Hall Systems
TT 64.1–64.12	Wed	15:00–18:15	HFT-FT 101	Frustrated Magnets - α -RuCl ₃ and Cu-based Materials
TT 65.1–65.13	Wed	15:00–18:30	HFT-FT 131	Quantum-Critical Phenomena II
TT 66.1–66.8	Wed	15:00–17:00	EB 202	Spintronics (joint session MA/TT)

TT 67.1–67.14	Wed	15:00–18:30	EB 301	Skyrmions III (joint session MA/TT/KFM)
TT 68.1–68.12	Wed	15:00–18:15	EB 407	Topological Insulators and Weyl Semimetals (joint session MA/TT)
TT 69.1–69.10	Wed	15:00–18:15	EMH 225	Multiferroic Oxide Thin Films and Heterostructures II (joint session KFM/TT/MA)
TT 70.1–70.10	Wed	15:00–17:45	HL 001	Frontiers of Electronic-Structure Theory: Correlated Electron Materials V (joint session O/MM/DS/TT/ CPP)
TT 71.1–71.9	Wed	15:00–17:30	EW 203	Quantum Information Systems (joint session HL/TT)
TT 72.1–72.98	Wed	15:00–19:00	Poster B	Poster Session: Correlated Electrons
TT 73.1–73.10	Wed	15:30–18:15	EB 107	Quantum Dynamics, Decoherence and Quantum Information (joint session DY/TT)
TT 74.1–74.9	Wed	16:00–18:30	H 3005	Molecular Electronics and Photonics
TT 75.1–75.6	Wed	17:00–18:30	H 2053	Superconductivity: Mesoscopic Superconductivity and Quantum Circuits
TT 76.1–76.6	Wed	17:00–18:30	A 053	Topology: Other Topics
TT 77.1–77.5	Thu	9:30–12:15	H 0104	Focus Session: Quantum Turbulence and Imaging of Quantum Flow of Superfluids
TT 78.1–78.8	Thu	9:30–12:30	H 1012	Focus Session: Spinorbitronics - From Efficient Charge/Spin Conversion Based on Spin-Orbit Coupling to Chiral Magnetic Skyrmions I (joint session MA/TT)
TT 79.1–79.12	Thu	9:30–12:45	H 2053	Superconductivity: Superconducting Electronics - Circuit QED
TT 80.1–80.13	Thu	9:30–13:00	H 3005	Graphene
TT 81.1–81.7	Thu	9:30–11:15	H 3010	Nonequilibrium Quantum Many-Body Systems III
TT 82.1–82.13	Thu	9:30–13:00	A 053	Topological Insulators II (joint session TT/MA)
TT 83.1–83.12	Thu	9:30–12:45	HFT-FT 101	Superconductivity: (General) Theory
TT 84.1–84.7	Thu	9:30–11:15	HFT-FT 131	Fluctuations and Noise
TT 85.1–85.6	Thu	9:30–11:30	EB 107	Focus Session: Emergent Phenomena in Driven Quantum Many-Body Systems (joint session DY/TT)
TT 86.1–86.11	Thu	9:30–13:30	EMH 225	Ferroics and Multiferroics (joint session KFM/TT/MA)
TT 87.1–87.9	Thu	10:30–12:45	HL 001	Frontiers of Electronic-Structure Theory: Correlated Electron Materials VI (joint session O/MM/DS/TT/ CPP)
TT 88.1–88.6	Thu	11:30–13:00	H 3010	Quantum-Critical Phenomena III
TT 89.1–89.5	Thu	11:30–12:45	HFT-FT 131	Disordered Quantum Systems
TT 90.1–90.3	Thu	12:00–12:45	EB 107	Coherent Quantum Dynamics (joint session DY/TT)
TT 91.1–91.12	Thu	15:00–18:15	H 0104	Correlated Electrons: Method Development
TT 92.1–92.10	Thu	15:00–18:00	H 1012	Focus Session: Spinorbitronics - From Efficient Charge/Spin Conversion Based on Spin-Orbit Coupling to Chiral Magnetic Skyrmions II (joint session MA/TT)
TT 93.1–93.7	Thu	15:00–17:00	H 2053	Quantum Coherence and Quantum Information Systems (joint session TT/MA)
TT 94.1–94.12	Thu	15:00–18:30	H 3010	Correlated Electrons: Other Theoretical Topics
TT 95.1–95.10	Thu	15:00–17:45	HFT-FT 131	Cold Atomic Gases, Superfluids, Quantum Fluids and Solids
TT 96.1–96.10	Thu	15:00–17:45	HL 001	Frontiers of Electronic-Structure Theory: Correlated Electron Materials VII (joint session O/TT/MM/DS/ CPP)
TT 97.1–97.9	Thu	15:00–17:30	EW 201	Spintronics (joint session HL/TT)
TT 98.1–98.23	Thu	15:00–19:00	Poster B	Poster Session: Superconductivity
TT 99.1–99.53	Thu	15:00–19:00	Poster B	Poster Session: Transport
TT 100.1–100.9	Thu	15:30–18:00	H 3005	Frustrated Magnets - Pyrochlore Oxides
TT 101.1–101.10	Thu	15:30–18:15	HFT-FT 101	Correlated Electrons: Other Materials
TT 102.1–102.9	Thu	16:00–18:30	A 053	Topology: Majorana Fermions
TT 103.1–103.4	Thu	17:15–18:30	H 2053	Superconductivity: Cryogenic Particle Detectors
TT 104	Thu	18:45–20:00	H 3005	Annual General Meeting of the Low Temperature Physics Division
TT 105.1–105.8	Fri	9:30–13:05	H 0104	Focus Session: Mesoscopic Superconductivity and Quantum Circuits

TT 106.1–106.13	Fri	9:30–13:00	H 0110	Complex Oxides: Bulk Properties, Surfaces and Interfaces (joint session TT/MA/KFM)
TT 107.1–107.9	Fri	9:30–12:45	H 1012	Focus Session: Spinorbitronics - From Efficient Charge/Spin Conversion Based on Spin-Orbit Coupling to Chiral Magnetic Skyrmions III (joint session MA/TT)
TT 108.1–108.9	Fri	9:30–12:00	H 2053	Topological Superconductors
TT 109.1–109.10	Fri	9:30–12:15	H 3005	Frustrated Magnets - (General) Theory
TT 110.1–110.8	Fri	9:30–11:45	H 3010	Superconductivity: Fe-based Superconductors - 1111 and Others
TT 111.1–111.9	Fri	10:30–12:45	HL 001	Frontiers of Electronic-Structure Theory: Correlated Electron Materials VIII (joint session O/TT/MM/DS/PPP)

Annual General Meeting of the Low Temperature Physics Division

Thursday 18:45–20:00 Room H 3005
 All TT members are invited to attend!