Low Temperature Physics Division
Fachverband Tiefe Temperaturen (TT)

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Overview over the conference program of the Low Temperature Physics Division

(Lecture halls H 0104, H 2053, H 3005, H 3007, H 3010, and H 3025; Poster C and E)

Tutorial Organized by the Low Temperature Physics Division

Invited Talks of the Tutorial "Thermoelectricity - Fundamental Aspects, Materials, Applications" (joint session MA/TT)

TT 1.1	Sun	16:00–16:40	H 1058	**Transport properties of thermoelectric materials** — •Maria Ibáñez
TT 1.2	Sun	16:45–17:25	H 1058	**Thermoelectricity: basic concepts, and applications to nanoscale heat engines** — •Karol I. Wysokiński
TT 1.3	Sun	17:30–18:10	H 1058	**Novel thermoelectric materials: synthesis, characterization and application** — •Wenjie Xie

Plenary and Prize Talks Chaired by the Low Temperature Physics Division

PLV II	Mon	14:00–14:45	H 0105	**How to Rectify Supercurrents Using Electron Spin?** — •Christoph Strunk
PLV VI	Wed	14:00–14:45	H 0105	**Decoding and Steering Monitored Quantum Dynamics** — •Matthew Fisher
PRV III	Thu	13:15–13:45	H 0105	**Superconducting diode effect, magnetochiral anisotropy and other nonreciprocal effects in φ_0 Josephson junctions** — •Nicola Paradiso

Symposia Coorganized by the Low-Temperature Physics Division

Invited Talks of the Symposium SKM Dissertation Prize 2024 (SYSD)

See SYSD for the full program of the symposium.

SYSD 1.1	Mon	9:30–10:00	H 1012	**Nonequilibrium dynamics in constrained quantum many-body systems** — •Johannes Feldmeier
SYSD 1.2	Mon	10:00–10:30	H 1012	**Controlled Manipulation of Magnetic Skyrmions: Generation, Motion and Dynamics** — •Lisa-Marie Kern
SYSD 1.3	Mon	10:30–11:00	H 1012	**Interactions within and between cytoskeletal filaments** — •Charlotta Lorenz
SYSD 1.4	Mon	11:00–11:30	H 1012	**Field theories in nonequilibrium statistical mechanics: from molecules to galaxies** — •Michael te Vrugt
SYSD 1.5	Mon	11:30–12:00	H 1012	**Lightwave control of electrons in graphene** — •Tobias Weitz

Invited Talks of the Symposium "3D Nanostructures: From Magnetism to Superconductivity"

See SYMS for the full program of the symposium.

SYMS 1.1	Mon	9:30–10:00	H 0105	**3D Racetrack Memory** — •Stuart Parkin
SYMS 1.2	Mon	10:00–10:30	H 0105	**Curved electronics: geometry-induced effects at the nanoscale** — •Paola Gentile
SYMS 1.3	Mon	10:30–11:00	H 0105	**Curvilinear micromagnetism** — •Denys Makarov
SYMS 1.4	Mon	11:15–11:45	H 0105	**Study of 3D superconducting nanoarchitectures** — •Rosa Córdoba
SYMS 1.5	Mon	11:45–12:15	H 0105	**3D nanoarchitectures for superconductivity and magnonics** — •Oleksandr Dobrovolskiy

Invited Talks of the Symposium "Diversity and Equality in Physics"

See SYDE for the full program of the symposium.

SYDE 1.1	Tue	9:30–10:00	PTB HS HvHB	**Workplace cultures in physics as a game changer for equal opportunities** — •Martina Erlemann
SYDE 1.2	Tue	10:00–10:30	PTB HS HvHB	**Science on the Web: How networks bias academic communication online** — •Agnes Horvat
SYDE 1.3	Tue	10:30–11:00	PTB HS HvHB	**Citation inequity and gendered citation practices in contemporary physics** — •Erin Teich
SYDE 1.4	Tue	11:15–11:45	PTB HS HvHB	**The Diversity-Innovation Paradox in Science** — •Bas Hofstra
SYDE 1.5	Tue	11:45–12:15	PTB HS HvHB	**Gender and retention patterns among U.S. faculty** — •Aaron Clauset

Invited Talks of the Symposium "Emerging Materials for Renewable Energy Conversion"

See SYEM for the full program of the symposium.

SYEM 1.1	Wed	9:30–10:00	H 0105	**Non-critical Materials Production for a Green Energy Transition** — •Anke Weidenkaff
SYEM 1.2	Wed	10:00–10:30	H 0105	**Strategies for the morphological design of photoactive oxynitride particles and electrodes for solar water-splitting.** — •Simone Pokrant
SYEM 1.3	Wed	10:30–11:00	H 0105	**Computational workflows for an accelerated design of novel materials and interfaces** — •Ivano Eligio Castelli
SYEM 1.4	Wed	11:30–11:45	H 0105	**Autonomous composition control of emerging nitride materials for solar energy conversion** — •Andriy Zakutayev
SYEM 1.5	Wed	11:45–12:00	H 0105	**Understanding and tailoring the catalytic activity of spinel and perovskite surfaces from first principles calculations** — •Rossitza Pentcheva
SYEM 1.6	Wed	12:00–12:15	H 0105	**Mastering Compositional Complexity in High Entropy Materials for Energy Applications - Towards Accelerated Materials Discovery by Integration of High-throughput Experimentation, Simulation, and Materials Informatics** — •Alfred Ludwig

Invited Talks of the Symposium "Entanglement in Quantum Information, Condensed Matter and Gravity"

See SYQI for the full program of the symposium.

SYQI 1.1	Wed	15:00–15:30	H 0105	**The Quantum Internet: Concepts, Challenges and Progress** — •Ronald Hanson

SYQI 1.2	Wed	15:30–16:00	H 0105	**Strange metals - A platform to study entanglement in condensed matter?** — •Silke Paschen
SYQI 1.3	Wed	16:00–16:30	H 0105	**Quantum black holes may not have interiors** — •Vijay Balasubramanian
SYQI 1.4	Wed	16:30–17:00	H 0105	**Gauge Symmetry-Resolved Entanglement in Lattice Gauge Theories: A Tensor Network Approach** — •Moshe Goldstein
SYQI 1.5	Wed	17:00–17:30	H 0105	**Parameter estimation of gravitational waves with a quantum metropolis algorithm** — •Miguel Angel Martin - Delgado

Invited Talks of the Symposium "Quantum Communication: Promises or Reality?"

See SYQC for the full program of the symposium.

SYQC 1.1	Fri	9:30–10:00	H 0105	**Efficient Quantum Dot Micropillars for Quantum Networks** — •Ruth Oulton
SYQC 1.2	Fri	10:00–10:30	H 0105	**Superconducting Single Photon Detectors - Limited only by the laws of physics** — •Andreas Fognini
SYQC 1.3	Fri	10:45–11:15	H 0105	**Laser triggering of quantum light sources using engineered optical pulses** — •Kimberley Hall
SYQC 1.4	Fri	11:15–11:45	H 0105	**Quantum Networks and Technologies** — •Rob Thew

Focus Sessions Jointly Organized with Other Divisions

Invited Talks of the Focus Session "Quantum Interactive Dynamics" (joint session DY/TT)

TT 8.1	Mon	9:30–10:00	A 151	**Quantum information phases in space-time: measurement-induced entanglement and teleportation on a noisy quantum processor** — •Vedika Khemani
TT 8.2	Mon	10:00–10:30	A 151	**Measurement phase transitions and universality** — •Adam Nahum
TT 8.3	Mon	10:30–11:00	A 151	**Dual-unitary circuit dynamics** — •Pieter Claeys
TT 17.1	Mon	15:00–15:30	A 151	**Quantum Mechanics and Many Body Games** — •Shivaji Sondhi
TT 17.2	Mon	15:30–16:00	A 151	**Measurement induced phase transitions of fermions: from theory to observability** — •Sebastian Diehl

Invited Talks of the Focus Session "Frustrated Magnetism and Local Order" (joint session MA/TT)

TT 22.1	Tue	9:30–10:00	H 1058	**Neutron scattering studies of spin-freezing phenomena at quantum phase transitions** — •Christian Pfleiderer
TT 22.2	Tue	10:00–10:30	H 1058	**Frustrations, glassiness and complexity of spin systems with large spatial dimension** — •Mikhail Katsnelson
TT 22.3	Tue	10:30–11:00	H 1058	**Self-Induced Spin Glass Phase and Thermally Induced Order in dhcp Nd** — •Anders Bergman
TT 22.6	Tue	11:45–12:15	H 1058	**Frustrated Quantum Devices: Pathways to leverage exotic order in novel spintronic technologies** — •James Analytis
TT 22.9	Tue	12:45–13:15	H 1058	**New Frontiers in Artificial Spin Ice: Phase Transitions in Two and Three Dimensions** — •Gavin M. Macauley

Invited Talks of the Focus Session "Exploring Quantum Entanglement with Superconducting Qubits and Resonators" (joint session QI/TT)

TT 30.1	Tue	9:30–10:00	HFT-FT 131	**Loophole-free Bell Inequality Violation with Superconducting Circuits** — •Andreas Wallraff
TT 30.2	Tue	10:00–10:30	HFT-FT 131	**Microwave quantum networks** — •Kirill G. Fedorov
TT 30.6	Tue	11:30–12:00	HFT-FT 131	**Quantum sensing of axionic dark matter with a phase resolved haloscope** — •Audrey Cottet
TT 30.7	Tue	12:00–12:30	HFT-FT 131	**Demonstration of Quantum Advantage in Microwave Quantum Radar** — •Audrey Bienfait

Topical Talks of the Focus Session "Spin Phenomena in Chiral Molecular Systems" (joint session O/TT)

TT 32.1	Tue	10:30–11:00	MA 141	**The Electron's Spin and Chirality - a Miraculous Match** — •Ron Naaman
TT 32.3	Tue	11:30–12:00	MA 141	**Electrical Dipole Moment Governs Spin Polarization in Charge Transport in Single α-helical Peptides Junctions** — •Ismael Diez-Perez
TT 32.2	Tue	11:00–11:30	MA 141	**Electrons, Vibrations and Chirality** — •Martin B. Plenio
TT 32.7	Tue	12:45–13:15	MA 141	**First-principles approaches to chiral induced spin selectivity** — •Carmen Herrmann
TT 43.1	Wed	10:30–11:00	MA 141	**Chiral-induced Spin Selectivity in Hybrid Chiral Molecule/ Metal Systems** — •Angela Wittmann
TT 43.2	Wed	11:00–11:30	MA 141	**Chirality-induced spin selectivity at the single-molecule scale** — •Daniel Emil Bürgler

Invited Talks of the Focus Session "Recent progresses in criticality in the presence of boundaries and defects" (joint session DY/TT)

TT 40.1	Wed	9:30–10:00	A 151	**Boundary behavior at classical and quantum phase transitions** — •Max Metlitski
TT 40.6	Wed	11:15–11:45	A 151	**Criticality senses topology** — •Anna Maciolek
TT 56.1	Wed	15:00–15:30	A 151	**Conformal boundary conditions of symmetric quantum critical states** — •Long Zhang

Invited Talks of the Focus Session "Unconventional Thermoelectric Phenomena and Materials" (joint session MA/TT)

TT 48.1	Wed	15:00–15:30	H 1058	**Enhanced Nernst effect in van der Waals tellurides** — •H. Reichlova
TT 48.2	Wed	15:30–16:00	H 1058	**Hybrid transverse magneto-thermoelectric cooling in artificially tilted multilayers** — •Ken-ichi Uchida
TT 48.3	Wed	16:00–16:30	H 1058	**Nonlocal heat engines with hybrid quantum dot systems** — •Rafael Sánchez
TT 48.4	Wed	16:45–17:15	H 1058	**Large anomalous Nernst thermoelectric performance in $YbMnBi_2$** — •Yu Pan
TT 48.5	Wed	17:15–17:45	H 1058	**A path to suistainable and scalable production of high-performance thermoelectric materials** — •Maria Ibáñez

Invited Talks of the Focus Session "$SrTiO_3$: A Versatile Material from Bulk Quantum Paraelectric to 2D Superconductor" (joint session KFM/MA/O/TT)

TT 62.1	Thu	9:30–10:00	H 0104	**Ferroelectricity and Superconductivity in $SrTiO_3$** — •Susanne Stemmer
TT 62.2	Thu	10:00–10:30	H 0104	**Dilute superconductivity in doped strontium titanate** — •Kamran Behnia
TT 62.3	Thu	10:30–11:00	H 0104	**Polarons and Excitons in quantum-paraelectric $SrTiO_3$** — •Cesare Franchini
TT 62.4	Thu	11:15–11:45	H 0104	**Controlling ferroelectrics with light** — •Andrea Cavalleri
TT 62.5	Thu	11:45–12:15	H 0104	**Terahertz electric field driven dynamical multiferroicity in $SrTiO_3$** — •Stefano Bonetti

Invited Talks of the Focus Session "Nanomechanical systems for classical and quantum sensing applications" (joint session HL/QI/TT)

TT 70.1	Thu	9:30–10:00	EW 202	**Quantum sensors and memories based on soft-clamped phononic membrane resonators** — •Albert Schliesser
TT 70.2	Thu	10:00–10:30	EW 202	**Quantum mechanics-free subsystem with mechanical oscillators** — •Laure Mercier de Lepinay
TT 70.3	Thu	10:30–11:00	EW 202	**Electrothermally tunable metal-graphene-siliconnitride membrane mechanical device** — •Elke Scheer
TT 70.4	Thu	11:15–11:45	EW 202	**From Nanomechanics to Spins** — •Christian Degen
TT 70.5	Thu	11:45–12:15	EW 202	**Enhanced cooling efficiency in nonlinear cavity optomechanics** — •Anja Metelmann

Invited Talks of the Focus Session "Emerging Magnetic Phenomena from Chiral Phonons" (joint session MA/TT)

TT 63.1	Thu	9:30–10:00	H 1058	**Giant effective magnetic fields from chiral phonons** — •Dominik M. Juraschek
TT 63.2	Thu	10:00–10:30	H 1058	**Chiral phonons in quantum materials revealed by the thermal Hall effect** — •Gael Grissonnanche
TT 63.3	Thu	10:30–11:00	H 1058	**Phonon chirality and thermal Hall transport** — •Benedetta Flebus
TT 63.4	Thu	11:15–11:45	H 1058	**Orbital magnetic moment of phonons in diamagnetic and paraelectric perovskites** — •Martina Basini
TT 63.5	Thu	11:45–12:15	H 1058	**Spin-lattice coupling in multiscale modeling** — •Markus Weissenhofer

Invited Talks of the Focus Session "Evolution of Topological Materials into Superconducting Nanodevices" (joint session HL/TT)

TT 89.1	Fri	9:30–10:00	EW 202	**Tunneling spectroscopy of a phase-tunable topological insulator Josephson junction** — •Jakob Schluck
TT 89.2	Fri	10:00–10:30	EW 202	**Robust Majorana modes in topological material-based nanoelectronic hybrid devices** — •Kristof Moors
TT 89.3	Fri	10:30–11:00	EW 202	**Thermal and electric response of superconducting topological materials; are Majorana states more widespread than expected?** — •Ewelina Hankiewicz
TT 89.4	Fri	11:15–11:45	EW 202	**Tunable Josephson coupling in HgTe nanodevices** — •Martin P. Stehno
TT 89.5	Fri	11:45–12:15	EW 202	**Superconducting proximity effect in topological Dirac materials** — •Chuan Li
TT 89.6	Fri	12:15–12:45	EW 202	**Exploring Josephson Junctions made of Topological Insulator Wires and Superconductors** — •Dieter Weiss

Focus Sessions of the Low Temperature Physics Division

Invited Talks of the Focus Session "Artificial Intelligence in Condensed Matter Physics"

TT 2.1	Mon	9:30–10:00	H 0104	**Exploring artificial intelligence for engineered quantum matter** — •Eliska Greplova
TT 2.2	Mon	10:00–10:30	H 0104	**Communicability as a criterion for interpretable representations** — •Renato Renner
TT 2.3	Mon	10:30–11:00	H 0104	**Disentangling Multiqubit States using Deep Reinforcement Learning** — •Marin Bukov
TT 2.4	Mon	11:15–11:45	H 0104	**Neural Quantum States For The Many-Electron Problem** — •Giuseppe Carleo
TT 2.5	Mon	11:45–12:15	H 0104	**Neural quantum states for strongly correlated systems: learning from data and Hamiltonians** — •Annabelle Bohrdt
TT 2.6	Mon	12:15–12:45	H 0104	**Towards an Artificial Muse for new Ideas in Quantum Physics** — •Mario Krenn

Invited Talks of the Focus Session "Anomalous Quantum Oscillations"

TT 9.1	Mon	15:00–15:30	H 0104	**Unusual Magnetic Oscillations in Kagome Mott Insulators** — •Lu Li
TT 9.2	Mon	15:30–16:00	H 0104	**Quantum oscillations in small-gap insulators** — •Nigel Cooper
TT 9.3	Mon	16:00–16:30	H 0104	**Quantum Oscillations of the Quasiparticle Lifetime in a Metal** — •Nico Huber
TT 9.4	Mon	16:45–17:15	H 0104	**Simplicity of quantum oscillations in CoSi from its hidden quasi-symmetry** — •Philip J.W. Moll
TT 9.5	Mon	17:15–17:45	H 0104	**Quantum oscillations of superconducting iron-chalcogenides $FeSe_{1-x}S_x$** — •Amalia Coldea

Invited Talks of the Focus Session "Strongly Disordered Superconductors"

TT 21.1	Tue	9:30–10:00	H 0104	**The fate of the superfluid density near the superconductor-insulator transition** — •Benjamin Sacepe
TT 21.2	Tue	10:00–10:30	H 0104	**Vortices in dirty superconducting films** — •Elio König
TT 21.3	Tue	10:30–11:00	H 0104	**Superfluid stiffness of a strongly disordered superconductor close to the superconductor-insulator transition** — •Alexander Weitzel
TT 21.4	Tue	11:15–11:45	H 0104	**Thermally enhanced superconductivity and photonic dissipation in Josephson junction arrays** — •Andrew P. Higginbotham
TT 21.5	Tue	11:45–12:15	H 0104	**Spectral Gap and Order Parameter Statistics in Disordered Superconducting Films** — •Matthias Stosiek

Invited Talks of the Focus Session "Dynamical Probes for Topological Magnetism"

TT 34.1	Wed	9:30–10:00	H 0104	**A phononic route to ultrafast control of magnetic order** — •Andrei Kirilyuk
TT 34.2	Wed	10:00–10:30	H 0104	**Spectroscopic signatures of spin dynamics in spin-orbit-coupled magnets: resolving quantum spin liquids versus magnetically ordered phases** — •Roser Valenti
TT 34.3	Wed	10:30–11:00	H 0104	**Probing spin dynamics by Hall effect and emergent inductance** — •Max Hirschberger
TT 34.4	Wed	11:15–11:45	H 0104	**Dissipative Spin-wave Diode and Nonreciprocal Magnonic Amplifier** — •Jelena Klinovaja
TT 34.5	Wed	11:45–12:15	H 0104	**Floquet magnons in a periodically-driven magnetic soliton** — •Helmut Schultheiss

Individual Invited Talks of the Low Temperature Physics Division

TT 4.1	Mon	9:30–10:00	H 3005	**Hyperfine interactions and nuclear-electronic quantum criticality in $PrOs_4Sb_{12}$** — •Alix McCollam
TT 3.5	Mon	10:30–11:00	H 2053	**Topological Thermal Hall Conductance of Even Denominator Fractional States** — •Moty Heiblum
TT 6.8	Mon	11:30–12:00	H 3010	**Theory of supercurrent diode effect and other spin-orbit-driven phenomena in superconducting magnetic junctions** — •Andreas Costa
TT 19.1	Mon	16:15–16:45	H 3025	**Quantum thermodynamics and its statistical mechanics: Facts, debatable issues and still unsolved problems** — •Peter Hänggi
TT 52.1	Wed	15:00–15:30	H 3010	**A tale of two kinds of superconducting nickelates** — •Frank Lechermann
TT 67.1	Thu	9:30–10:00	H 3007	**Giant lattice softening at a uniaxial-pressure-tuned Lifshitz transition in the unconventional superconductor Sr_2RuO_4** — •Hilary M. L. Noad
TT 85.1	Fri	9:30–10:00	H 3005	**Majorana bound states in artificial Kitaev chains** — •Srijit Goswami

All Sessions

TT 1.1–1.3	Sun	16:00–18:10	H 1058	**Tutorial: Thermoelectricity – Fundamental Aspects, Materials, Applications (joint session TT/TUT/MA)**
TT 2.1–2.8	Mon	9:30–13:15	H 0104	**Focus Session: Artificial Intelligence in Condensed Matter Physics I (joint session TT/DY)**
TT 3.1–3.12	Mon	9:30–13:00	H 2053	**Topology: Quantum Hall Systems**
TT 4.1–4.12	Mon	9:30–13:00	H 3005	**f-Electron Systems**
TT 5.1–5.14	Mon	9:30–13:15	H 3007	**Nickelates I**
TT 6.1–6.12	Mon	9:30–13:00	H 3010	**Superconductivity: Tunnelling and Josephson Junctions I**
TT 7.1–7.11	Mon	9:30–12:30	H 3025	**Correlated Electrons: Electronic Structure Calculations**
TT 8.1–8.10	Mon	9:30–12:45	A 151	**Focus Session: Quantum Interactive Dynamics I (joint session DY/TT)**
TT 9.1–9.7	Mon	15:00–18:15	H 0104	**Focus Session: Anomalous Quantum Oscillations**
TT 10.1–10.11	Mon	15:00–18:00	H 2053	**Topology: Majorana Physics I**
TT 11.1–11.9	Mon	15:00–17:30	H 3005	**Heavy Fermions**
TT 12.1–12.6	Mon	15:00–16:30	H 3007	**Fluctuations and Noise**
TT 13.1–13.12	Mon	15:00–18:15	H 3010	**Kagome Systems**
TT 14.1–14.4	Mon	15:00–16:00	H 3025	**Artificial Intelligence in Condensed Matter Physics II (joint session TT/DY)**
TT 15.1–15.11	Mon	15:00–18:00	EW 202	**Focus Session: Evolution of Topological Materials into Superconducting Nanodevices (joint session HL/TT)**
TT 16.1–16.10	Mon	15:00–17:30	MA 005	**2D Materials I: Electronic Structure (joint session O/TT)**
TT 17.1–17.9	Mon	15:00–18:00	A 151	**Focus Session: Quantum Interactive Dynamics II (joint session DY/TT)**
TT 18.1–18.71	Mon	15:00–18:00	Poster C	**Superconductivity: Poster**
TT 19.1–19.6	Mon	16:15–18:00	H 3025	**Quantum Coherence (joint session TT/DY)**
TT 20.1–20.6	Mon	16:45–18:15	H 3007	**Quantum Dots and Quantum Wires (joint session TT/HL)**
TT 21.1–21.7	Tue	9:30–12:45	H 0104	**Focus Session: Strongly Disordered Superconductors**
TT 22.1–22.9	Tue	9:30–13:15	H 1058	**Focus Session: Frustrated Magnetism and Local Order (joint session MA/TT)**
TT 23.1–23.13	Tue	9:30–13:00	H 2013	**Topological Insulators and Weyl Semimetals (joint session MA/TT)**
TT 24.1–24.14	Tue	9:30–13:15	H 2053	**Quantum-Critical Phenomena**
TT 25.1–25.13	Tue	9:30–13:00	H 3005	**Nonequilibrium Quantum Systems I (joint session TT/DY)**
TT 26.1–26.8	Tue	9:30–11:30	H 3007	**Nanotubes and Nanoribbons**
TT 27.1–27.13	Tue	9:30–13:00	H 3010	**Correlated Electrons: Other Materials**
TT 28.1–28.10	Tue	9:30–12:15	H 3025	**Topology: Other Topics**

TT 29.1–29.13	Tue	9:30–13:00	A 151	**Many-Body Systems: Equilibration, Chaos, and Localization (joint session DY/TT)**
TT 30.1–30.11	Tue	9:30–13:30	HFT-FT 131	**Focus Session: Exploring Quantum Entanglement with Superconducting Qubits and Resonators (joint session QI/TT)**
TT 31.1–31.6	Tue	10:30–12:15	MA 005	**2D Materials II: Electronic Structure (joint session O/TT)**
TT 32.1–32.7	Tue	10:30–13:15	MA 141	**Focus Session: Spin Phenomena in Chiral Molecular Systems I (joint session O/TT)**
TT 33.1–33.5	Tue	11:45–13:00	H 3007	**Focus Session: Nanomechanical Systems for Classical and Quantum Sensing I (joint session TT/DY/HL/QI)**
TT 34.1–34.5	Wed	9:30–12:15	H 0104	**Focus Session: Dynamical Probes for Topological Magnetism**
TT 35.1–35.14	Wed	9:30–13:15	H 2053	**Superconducting Electronics: SQUIDs, Circuit QED**
TT 36.1–36.13	Wed	9:30–13:00	H 3005	**Superconductivity: Theory I**
TT 37.1–37.7	Wed	9:30–11:15	H 3007	**Graphene and 2D Materials (joint session TT/HL)**
TT 38.1–38.7	Wed	9:30–11:15	H 3010	**Topological Semimetals I**
TT 39.1–39.10	Wed	9:30–12:15	H 3025	**Correlated Electrons: Charge Order**
TT 40.1–40.9	Wed	9:30–12:30	A 151	**Focus Session: Recent Progresses in Criticality in the Presence of Boundaries and Defects I (joint session DY/TT)**
TT 41.1–41.14	Wed	9:30–13:15	HFT-FT 131	**Superconducting Qubits (joint session QI/TT)**
TT 42.1–42.10	Wed	10:30–13:00	MA 005	**2D Materials III: Electronic Structure (joint session O/TT)**
TT 43.1–43.6	Wed	10:30–12:30	MA 141	**Focus Session: Spin Phenomena in Chiral Molecular Systems II (joint session O/TT)**
TT 44.1–44.6	Wed	11:30–13:00	H 3007	**Twisted Materials / Systems**
TT 45.1–45.7	Wed	11:30–13:15	H 3010	**$PtBi_2$ and Weyl Superconductors**
TT 46.1–46.5	Wed	11:45–13:00	EW 202	**Focus Session: Evolution of Topological Materials into Superconducting Nanodevices (joint session HL/TT)**
TT 47.1–47.13	Wed	15:00–18:15	H 0104	**Superconducting Electronics: Qubits I (joint session TT/QI)**
TT 48.1–48.5	Wed	15:00–17:45	H 1058	**Focus Session: Unconventional Thermoelectric Phenomena and Materials (joint session MA/TT)**
TT 49.1–49.12	Wed	15:00–18:15	H 2053	**Frustrated Magnets: Strong Spin-Orbit Coupling I**
TT 50.1–50.11	Wed	15:00–18:00	H 3005	**Superconductivity: Theory II**
TT 51.1–51.8	Wed	15:00–17:00	H 3007	**Topological Semimetals II**
TT 52.1–52.4	Wed	15:00–16:15	H 3010	**Nickelates II**
TT 53.1–53.10	Wed	15:00–17:45	EW 202	**Focus Session: Nanomechanical Systems for Classical and Quantum Sensing II (joint session HL/DY/TT/QI)**
TT 54.1–54.11	Wed	15:00–18:00	MA 005	**2D Materials IV: Graphene (joint session O/TT)**
TT 55.1–55.11	Wed	15:00–17:45	HL 001	**Topology and Symmetry Protected Materials (joint session O/TT)**
TT 56.1–56.4	Wed	15:00–16:15	A 151	**Focus Session: Recent Progresses in Criticality in the Presence of Boundaries and Defects II (joint session DY/TT)**
TT 57.1–57.23	Wed	15:00–18:00	Poster E	**Topology: Poster**
TT 58.1–58.7	Wed	15:00–18:00	Poster E	**$SrTiO_3$: A Versatile Material from Bulk Quantum Paraelectric to 2D Superconductor: Poster (joint session TT/KFM/MA/O)**
TT 59.1–59.19	Wed	15:00–18:00	Poster E	**Transport: Poster**
TT 60.1–60.7	Wed	16:00–17:45	H 3025	**Cryogenic Detectors and Sensors, Refrigeration and Thermometry**
TT 61.1–61.6	Wed	16:30–18:00	H 3010	**Correlated Electrons: 1D Theory**
TT 62.1–62.7	Thu	9:30–12:45	H 0104	**Focus Session: $SrTiO_3$: A Versatile Material from Bulk Quantum Paraelectric to 2D Superconductor I (joint session TT/KFM/MA/O)**
TT 63.1–63.5	Thu	9:30–12:15	H 1058	**Focus Session: Emerging Magnetic Phenomena from Chiral Phonons I (joint session MA/TT)**
TT 64.1–64.12	Thu	9:30–12:45	H 2013	**Spin Transport and Orbitronics, Spin-Hall Effects I (joint session MA/TT)**
TT 65.1–65.13	Thu	9:30–13:00	H 2053	**Frustrated Magnets: General I**
TT 66.1–66.11	Thu	9:30–12:30	H 3005	**Superconductivity: Yu-Shiba-Rusinov and Andreev Physics**

TT 67.1–67.13	Thu	9:30–13:15	H 3007	**Unconventional Superconductors**
TT 68.1–68.14	Thu	9:30–13:15	H 3010	**Superconductivity: Properties and Electronic Structure**
TT 69.1–69.13	Thu	9:30–13:00	H 3025	**Nonequilibrium Quantum Systems II (joint session TT/DY)**
TT 70.1–70.8	Thu	9:30–13:00	EW 202	**Focus Session: Nanomechanical Systems for Classical and Quantum Sensing III (joint session HL/DY/TT/QI)**
TT 71.1–71.13	Thu	9:30–13:00	A 151	**Many-Body Quantum Dynamics I (joint session DY/TT)**
TT 72.1–72.11	Thu	15:00–18:00	H 0104	**$SrTiO_3$: A Versatile Material from Bulk Quantum Paraelectric to 2D Superconductor II (joint session TT/KFM/MA/O)**
TT 73.1–73.5	Thu	15:00–16:15	H 2053	**Superconducting Electronics: Qubits II (joint session TT/QI)**
TT 74.1–74.11	Thu	15:00–18:00	H 3005	**Topological Insulators**
TT 75.1–75.10	Thu	15:00–17:45	H 3007	**Low Dimensional Systems**
TT 76.1–76.10	Thu	15:00–17:45	H 3010	**Superconductivity: Tunnelling and Josephson Junctions II**
TT 77.1–77.6	Thu	15:00–16:30	H 3025	**Frustrated Magnets: Strong Spin-Orbit Coupling II**
TT 78.1–78.4	Thu	15:00–16:00	EB 107	**Spin Transport and Orbitronics, Spin-Hall Effects II (joint session MA/TT)**
TT 79.1–79.10	Thu	15:00–17:45	A 151	**Quantum Chaos and Coherent Dynamics (joint session DY/TT)**
TT 80.1–80.59	Thu	15:00–18:00	Poster E	**Correlated Electrons: Poster**
TT 81.1–81.6	Thu	16:30–18:00	H 2053	**Frustrated Magnets: General II**
TT 82	Thu	18:05–19:30	H 3005	**Members' Assembly**
TT 83.1–83.11	Fri	9:30–12:30	H 0104	**$SrTiO_3$: A Versatile Material from Bulk Quantum Paraelectric to 2D Superconductor III (joint session TT/KFM/MA/O)**
TT 84.1–84.8	Fri	9:30–11:30	H 1058	**Focus Session: Emerging Magnetic Phenomena from Chiral Phonons II (joint session MA/TT)**
TT 85.1–85.7	Fri	9:30–11:30	H 3005	**Topology: Majorana Physics II**
TT 86.1–86.14	Fri	9:30–13:15	H 3007	**Correlated Electrons: Method Development**
TT 87.1–87.14	Fri	9:30–13:15	H 3010	**Frustrated Magnets: Spin Liquids**
TT 88.1–88.9	Fri	9:30–12:15	EW 201	**2D Materials and Heterostuctures: (Twisted) Bilayers (joint session HL/TT)**
TT 89.1–89.6	Fri	9:30–12:45	EW 202	**Focus Session: Evolution of Topological Materials into Superconducting Nanodevices (joint session HL/TT)**
TT 90.1–90.4	Fri	9:30–10:30	A 151	**Many-Body Quantum Dynamics II (joint session DY/TT)**
TT 91.1–91.9	Fri	10:30–12:45	MA 005	**2D Materials VII: Heterostructures (joint session O/TT)**
TT 92.1–92.9	Fri	10:45–13:00	A 151	**Quantum Dynamics, Decoherence and Quantum Information (joint session DY/TT)**

Members' Assembly of the Low Temperature Physics Division

Thursday 18:05–19:30 H 3005

ALL members – group leaders, group members, professors, postdocs, doctoral candidates and students – are welcome to attend! Please feel free to send items to discuss in the topic "Miscellaneous" to the above-indicated e-mail address.

- Report on the current meeting
- Outlook 2024, 2025
- Miscellaneous