



		Parallel session 8A: Qubits and QHE		Parallel session 8B: 2D materials - transport IV	
09:00	Location: Auditorium Chair: Seigo Tarucha	Joshua Folk <i>University of British Columbia, Canada</i> Entropy measurement in coupled quantum systems	Invited	R. Thomas Weitz <i>Georg-August-University Göttingen, Germany</i> Nontrivial quantum phases in natural bilayer graphene at its tunable van-Hove singularity accessed by bandstructure control and screening	Invited
09:30		Dijkema Jurgen <i>Delft University of Technology, The Netherlands</i> Two-qubit logic between distant spins in silicon	Contributed	Taro Wakamura <i>NTT Basic Research Laboratories, NTT Corporation, Atsugi, Japan</i> Novel superconducting properties of few-layer Td-MoTe ₂	Contributed
09:45		Noah Samuelson <i>University of California at Santa Barbara, USA</i> Universal chiral Luttinger liquid behavior in a graphene fractional quantum Hall point contact	Contributed	Jonas Daniel Gerber <i>ETH Zürich, Switzerland</i> Spin-orbit coupling in graphene/transition-metal dichalcogenide quantum devices	Contributed
10:00		Matteo Acciai <i>Chalmers University of Technology, Sweden</i> Time-domain two-particle interference in the integer and fractional quantum Hall effect	Invited	Tomoki Machida <i>The University of Tokyo, Tokyo, Japan</i> Symmetry engineering in twisted bilayer WTe ₂	Contributed
10:15				Nicolas Ubrig <i>University of Geneva, Switzerland</i> Gate-controlled Magnetotransport and Electrostatic Modulation of Magnetism in 2D Magnetic Semiconductor CrPS ₄	Contributed
10:30	Coffee break				
		Parallel session 9A: FQHE and IQHE		Parallel session 9B: 2D materials - optics III	
11:00	Location: Auditorium Chair: Heung-Sun Sim	Gwendal Fève <i>Laboratoire de Physique de l'Ecole Normale Supérieure, ENS, Université PSL, CNRS, Sorbonne Université, Université Paris Cité, Paris, France</i> Fractional statistics of anyons in mesoscopic colliders	Invited	Barbara Piętka <i>University of Warsaw, Poland</i> Non-trivial band geometry and polariton lasing in electrically tunable birefringent microcavities with 2D and 3D perovskites	Invited
11:30		Olivier Maillet <i>Université Paris-Saclay, CEA, CNRS, SPEC, Gif-sur-Yvette, France</i> Quasiparticle Andreev-like scattering in the $\nu=1/3$ fractional quantum Hall regime	Contributed	M. Dolores Martín <i>Universidad Autónoma de Madrid, Madrid, Spain</i> Polariton circuits: turning bends and their impact on polarization	Contributed
11:45		Kumar Srivastav Saurabh <i>Indian Institute of Science, Bangalore, India</i> Determination of topological edge quantum numbers of fractional quantum Hall phases by thermal conductance measurements	Contributed	Jacek Kasprzak <i>Univ. Grenoble Alpes, CNRS, Grenoble INP, INÉEL, Grenoble, France</i> Electronically tunable exciton confinement probed with nonlinear spectroscopy	Contributed
12:00		Preden Rouleau <i>CNRS Saclay, France</i> Excitonic nature of magnons in a quantum Hall ferromagnet	Invited	Tommaso Venanzi <i>Italian Institute of Technology (IIT), Rome, Italy</i> Terahertz induced trion-to-exciton conversion in a MoSe ₂ monolayer	Contributed
12:15				Natasha Kiper <i>ETH Zürich, Zürich, Switzerland</i> Moiré Potential for TMDs Generated by Twisted hBN Interface	Contributed
12:30	Lunch break				
		Parallel session 10A: Electric transport		Parallel session 10B: 2D material - optics IV	
14:30	Location: Auditorium Chair: Benjamin Piot	Le Duc Anh <i>The University of Tokyo, Tokyo, Japan</i> New magnetotransport phenomena in quantum heterostructures containing an Fe-doped ferromagnetic semiconductor	Invited	Mauro Brotons-Gisbert <i>Heriot-Watt University, Edinburgh, UK</i> The interplay of field-tunable strongly correlated states in a multi-orbital moiré system	Invited
15:00		Shunsuke Ota <i>Tokyo Institute of Technology, Japan</i> On-demand Single-Electron Source with Acousto-Electric Pulses	Contributed	Florian Dirnberger <i>Technische Universität Dresden, Germany</i> Exciton-polaritons in van der Waals magnetic semiconductor CrSBr	Contributed
15:15		Yoshisuke Ban <i>RIKEN, Wako, Saitama, Japan</i> Observation of single-electron transport and spin-blockade up to room temperature in Si tunnel FETs with deep impurity levels	Contributed	Amit Pawbake <i>Université Grenoble Alpes, LNCMI, CNRS, Grenoble, France</i> Magneto-optical sensing of the pressure driven magnetic ground states in bulk CrSBr	Contributed
15:30		Keita Ishihara <i>The University of Tokyo, Japan</i> Large nonreciprocal superconductivity in β -Sn nanowires embedded in topological Dirac semimetal α -Sn thin films	Contributed	Cédric Robert <i>Université de Toulouse, INSA-CNRS-UPS, LPCNO, Toulouse, France</i> Spin/Valley Pumping and Long-Distance Spin Transport in Monolayer TMD semiconductors	Invited
15:45		Maksim Savchenko <i>Vienna University of Technology, Vienna, Austria</i> Demonstration of high sensitivity of microwave-induced resistance oscillations to circular polarization	Contributed		
16:00	Coffee break				
		Parallel session 11A: 2D materials - optics V		Parallel session 11B: Low dimensional systems III	
16:30	Location: Auditorium Chair: Cédric Robert	Ermin Malic <i>Philipps-Universität Marburg, Germany</i> Exciton optics, dynamics, and transport in atomically thin materials	Invited	Georgy Astakhov <i>Helmholtz-Zentrum Dresden-Rossendorf, Germany</i> Ion-induced telecom single-photon emitters in silicon	Invited
17:00		Chang-Woo Cho <i>LNCMI, CNRS, Grenoble, France</i> Microscopic parameters of the van der Waals CrSBr antiferromagnet from microwave absorption experiments	Contributed	Qian Chenjiang <i>Technische Universität München, Garching, Germany</i> Emitter-Optomechanical Interactions in Ultra High-Q hBN Nanocavities	Contributed
17:15		Kacper Oreszczuk <i>University of Warsaw, Poland</i> Enhancement of electron magnetic susceptibility due to many-body interactions in monolayer MoSe ₂	Contributed	Katarzyna Sadecka <i>University of Ottawa, Ottawa, Canada</i> Electrically Tunable Excitons in Gated Bilayer Graphene Quantum Dots	Contributed
17:30		Francesca Carosella <i>Laboratoire de Physique de l'ENS, CNRS, Paris, France</i> Layer-dependent bandstructure and optical properties of 2D PtSe ₂	Contributed	Carlos Anton-Solanas <i>Universidad Autónoma de Madrid, Spain</i> Single-photon sources based on semiconductor quantum dots and two-dimensional materials	Invited
17:45		Aditi R. Moghe <i>Université de Strasbourg, CNRS, IPCMS, Strasbourg</i> Towards a microscopic understanding of photoluminescence quenching in monolayer MoSe ₂ /n-layer graphene heterostructures	Contributed		