

Erzherzog Johann Auditorium					
09:00	9:00-9:45 - Walter Kutschera				
09:15	Otto Robert Frisch, the quiet co-discoverer of fission				
09:30					
09:45	9:45-10:30 - Peter Fratzl				
10:00	Bioinspired materials concepts for sustainability				
10:15					
10:30	Coffee & Tea				
10:45	10:45-11:15 - Paul Martini (Kohlrusch Prize)				
12:00	Splashing of Large Helium Nanodroplets upon Surface Collisions				
12:00	11:15-11:45 - Mag. DDR. Martin Apolin (Sexl Prize)				
13:00	Wie viele Atome von Einstein befinden sich in uns? - Plädoyer für einen lustvollen und sinnerfüllten Physik-Unterricht				
13:00	11:45-12:15 - Manish Garg (Auwärter Prize)				
14:00	Tracking Electrons, Atoms and Quasiparticles in Real-Space and Real-Time				
12:15-14:00	Lunch				
Time	Erzherzog Johann Auditorium	HS Raiffeisen	HS Physikalische Chemie	HS Kupelwieser	HS Miller von Hauenfels
14:00	<i>Chair: Michael Schmid</i> 14:00-14:15 - Kevin-P. Gradwohl Growth of isotopically enriched SiGe heterostructures for quantum computing	<i>Chair: TBA</i> 14:00-14:15 - Josef Oswald Revision of the edge channel picture for the integer quantum Hall effect	<i>Chair: Christoph Schwanda</i> 14:00-14:15 - Stefanie Kaser Results and future plans of ion imaging at MedAustron	<i>Chair: Christian Teissl</i> 14:00-14:30 - Christoph Reichl Physics as foundation for applied research	<i>Chair: Rainer T. Lechner</i> 14:00-14:30 - Heinz Amenitsch The Austrian SAXS beamline at ELETTRA - from Material to Life Science - Present & Future
14:15	14:15-14:30 - Baran Sarac Hydrogen and Corrosion activity of Precious or Transition Metal Based Metallic Glass Thin Films	14:15-14:30 - Federico Mazza Inelastic neutron scattering to probe strongly correlated electronic and phononic matter	14:15-14:30 - Philipp Gaggi Silicon Carbide as innovative material for particle detectors in High-Energy Physics and Beam Instrumentation	15:00-15:30 - Erich Meisterhofer Working as a physicist in the field of environmental protection	14:30-15:00 - Christian Prehal Operando X-ray and neutron scattering with stochastic modelling to quantify the nanoscale phase evolution in post-lithium-ion batteries
14:20	14:30-14:45 - Sergej Ražnjević Electron beam induced Brownmillerite – perovskite phase transition in epitaxial $\text{La}_{0.8}\text{Sr}_{0.2}\text{CoO}_{3-\delta}$ thin films	14:30-14:45 - Lukas Weissitsch Exchange Coupled Bulk Rare Earth Free Permanent Magnets	14:30-14:45 - Marcus Bumbar Simulations and design of a quadrupole deflector for slow extracted antiprotons		
14:25	14:45-15:00 - Mariella Denk Surface Resonant Raman Scattering from Cu (110)	14:45-15:00 - Manolo Kasalo Isotropic magnetoresistance of severe plastically deformed ternary Cu alloys	14:45-15:00 - Amit Nanda Hyperfine Spectroscopy of Deuterium in an in-beam Rabi-type spectrometer	15:00-15:30 - Wolfgang Schützenhöfer Special Steels Production Viewed through Physical Glasses	15:00-15:30 - Santa Pile Nonstationary spin waves under a uniform excitation in a confined permalloy microstrip directly imaged with STXM-FMR
14:30	15:00-15:15 - Philipp Aldo Wieser In operando monitoring electrodeposition of mesoporous metal films by Synchrotron GISAXS	15:00-15:15 - Igor Stanković A molecular dynamics study of friction anisotropy and preferential sliding directions of organic nanocrystallites on two-dimensional materials	15:00-15:15 - Felix Albrecht A new multi-beam switcher for the Vienna Environmental Research Accelerator		
14:35	15:15-15:30 - Mario Fratschko Thin Film Crystallographic Properties of Epitaxially Grown 2D and 3D Copper Based MOFs	15:15-15:30 - Soma Adhikari Positive Magnetoresistance and Chiral Anomaly in Exfoliated Type-II Weyl Semimetal Td- WTe ₂	15:15-15:30 - Veronika Kraus Detailed study of the Silicon sensors for the Phase-II Upgrade of the CMS Experiment	Coffee & Tea	
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16:00	<i>Chair: Matthias Blattnik</i> 16:00-16:15 - Claus Q.W. Trost Using interpretable deep learning to enable insights in nanoindentation tip wear	<i>Chair: TBA</i> 16:00-16:30 - Oleksandr Dobrovolskiy Vortex Jets in Superconductor Films	<i>Chair: Reinhard Alkofer</i> 16:00-16:15 - Joachim Pomper Low-energy effective description of dark Sp(4) theory with matter in non fundamental representation	<i>Chair: Peter Korczak</i> 16:00-16:30 - Markus Pflieger Karriere in Physik - Markus Pflieger	<i>Chair: Hartmut Abele</i> 16:00-16:30 - Sylvia Haas The new Small Angle X-ray Scattering beamline for Materials Research at PETRA III (SAXSMAT – P62)
16:05	16:15-16:30 - Alexander Reichmann Modelling of grain boundary excess with Bayesian inference and thermodynamical approaches	16:30-16:45 - Bernd Aichner Reducing the Resolution Limits of Periodic Vortex Pinning Landscapes in Copper-Oxide Superconductors	16:15-16:30 - Niko Heinemann Aspects of Dirac Fermions in Unimodular Gravity	16:60-17:00 - Manfred Herbst Digitalization of the Low Voltage Power Grid	16:30-17:00 - Petra Spoerck-Erdelyi How <i>in situ</i> synchrotron X-ray diffraction and scattering have contributed to the characterisation and development of intermetallic γ -TiAl based alloys
16:10	16:30-16:45 - Christoph Dösinger Replacing DFT with Machine Learning: the use-case of grain boundary segregation	16:45-17:00 - Paul Worm Electronic structure and phase diagram of nickelate superconductors	16:30-16:45 - Matthias Diez On time scales in Sauter-Schwinger pair production		
16:15	16:45-17:00 - Korbinian Aicher Role and activity of Fe ³⁺ and In ³⁺ impurities on coarsening and functional properties in MgO nanoparticle derived ceramics	17:00-17:15 - Benjamin Klebel-Knobloch Evolution of the Hall-coefficient, dc-resistivity and Fermi-surface in Cuprates	16:45-17:00 - Florian Hechenberger Radiative Glueball Decay in the Witten-Sakai-Sugimoto model	17:00-17:30 - Robert Svoboda Als Physiker in einem Industrielabor für angewandte Chemie	17:00-17:30 - Silke Bühler-Paschen Inelastic neutron scattering: A prime tool for studying strong correlation phenomena
16:20	17:00-17:15 - Anne-D. Müller Identification limits of Nano-IR Spectroscopy investigated Polymer Contaminants on Inorganic Surfaces	17:15-17:30 - Division Meeting	17:00-17:15 - Markus Leuthner 3+1D observables in the dilute Glasma of relativistic heavy-ion collisions		
16:25	17:15-17:30 - Lisanne Demelius Shedding light on the initial growth of ZnO during plasma-enhanced atomic layer deposition on polymer substrates		17:15-17:30 - Division meeting	Break and transfer to Gösser Bräu	
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17:30-18:30	Break and transfer to Gösser Bräu				
Time	Gösser Bräu				
18:30-22:00	18:30-22:00 - Conference Dinner				