

09:00 - 09:45	Plenary Talk / CHAIR: Martin STERRER Hans-Peter STEINRÜCK "Surface science of low-vapor-pressure liquids"	HS P1
09:45 - 10:30	Plenary Talk / CHAIR: Maurizio MUSSO Michela MAPELLI "The dawn of gravitational wave astrophysics and the formation channels of compact object binaries"	HS P1
10:30 - 10:45	COFFEE	
10:45 - 12:00	Prize Award Celebration Session	HS P1
12:00 - 13:00	LUNCH BREAK	
13:00 - 14:00	General Assembly of ÖPG Members	HS P1
SESSION: LHS & YM CHAIR: Alexander STRAHL		
14:00 - 14:20	LHS T1 Markus Huber "QUANT - Bringing current research to highschool physics education"	HS P1
14:20 - 14:40	LHS T2 Alexander Pflieger "The international physics students competition PLANCKS - Physics League Across Numerous Countries for Kick-Ass Students"	HS P1
14:40 - 15:30	<u>See Announcement!</u>	HS P1
SESSION: COND III CHAIR: Peter PUSCHNIG		
14:00 - 14:15	COND T13 Max Sorantin "Impact ionization processes in the steady state of a driven Mott insulating layer coupled to metallic leads"	HS P2
14:15 - 14:30	COND T14 Mathias Schwendt "Discrete Transparent Boundary Conditions for the Schrödinger Equation in (1+1)D"	HS P2
14:30 - 14:45	COND T15 Maximilian Schober "Spin- and Valley Polarized Electron Layers"	HS P2
14:45 - 15:00	COND T16 Michaela Haslhofer "Collective Modes in Graphene on a Bulk Substrate"	HS P2

15:00 - 15:15	COND T17 Michel Bockstedte "Ab initio description of highly correlated states in defects for realizing quantum bits"	HS P2
15:15 - 15:30	COND T18 Markus Aichhorn "Mott physics and transport properties in multi-orbital systems: The example of manganese pnictides"	HS P2

SESSION: PIN
CHAIR: Peter KORCZAK

14:00 - 14:20	PIN T1 Josef Sacher "Karriere als Physiker in der Industrie"	HS P3
14:20 - 14:40	PIN T2 Hemma Bieser "Future Career Prospects for Physicists"	HS P3
14:40 - 15:00	PIN T3 Mario Mueller "Physics as foundation for innovations in industry"	HS P3
15:00 - 15:20	PIN T4 Robert Hauser "Study, Research, Teaching and Management, over a period of 35 years"	HS P3

SESSION: FAKT I
CHAIR: Reinhard ALKOFER

14:00 - 14:25	FAKT T1 Alexander Burker "Imaging with ion beams at MedAustron"	SR TDK
14:25 - 14:50	FAKT T2 Martin Stahlberg "Direct Search for Dark Matter with the CRESST III Experiment"	SR TDK
14:50 - 15:15	FAKT T3 Thomas Madlener "Recent Measurements of P-wave quarkonia at CMS"	SR TDK
15:15 - 15:30	FAKT T4 Stephan Sponar "Weak Values and Weak Measurements studied in Neutron Interferometry"	SR TDK

SESSION: OGD III CHAIR: Christian PAPP		
14:00 - 14:30	OGD T12 Michael Ramsey "Dielectric interlayers: Promoters of charge transfer or inert decoupling layers or both"	HS BMT
14:30 - 14:45	OGD T13 Bernd Kollmann "Photoemission Tomography of NiTPP on Cu(100)"	HS BMT
14:45 - 15:00	OGD T14 Alexander Egger "Ab-initio Structure Prediction of TCNE on Cu(111): From Monolayers towards Thin Films"	HS BMT
15:00 - 15:15	OGD T15 Michael Hollerer "Crystalline growth of flexible organic molecules: 6P on Ag(001)"	HS BMT
15:15 - 15:30	OGD T16 Lukas Hörmann "Taming the Configurational Explosion: Coarse Grained Modeling and Statistical Learning for Surface Structure Search"	HS BMT
SESSION: ELI I CHAIR: Zsolt FULOP		
14:00 - 14:30	ELI T1 Dimitris Charalambidis "ELI: Scientific opportunities, perspectives and challenges"	SR IF
14:30 - 14:50	ELI T2 Karoly Osvay "Few-cycle laser based research technologies for users at ELI Attosecond Light Pulse Source"	SR IF
14:50 - 15:10	ELI T3 Markus Kitzler "Attosecond measurement and control of electron and nuclear dynamics in molecules"	SR IF
15:10 - 15:30	ELI T4 Joachim Krenn "Probing Nanoplasmonic Field Enhancement with Ultrafast Photoemission"	SR IF
15:30 - 16:00	COFFEE	
SESSION: LHS & YM CHAIR: Alexander STRAHL		
16:00 - 17:30	<u>See Announcement!</u>	HS P1

SESSION: COND IV & NESY CHAIR: Roland RESEL		
16:00 - 16:15	NESY T1 Richard Haider "On Laser Ablation and Injection Moulding as Techniques for the Production of Small Angle X-Ray Scattering Compatible Micro Channels"	HS P2
16:15 - 16:30	NESY T2 Rainer Lechner "Revealing the Core/Shell Structure of CdSe/CdS Nanocrystals by synchrotron based SAXS/WAXS studies"	HS P2
16:30 - 16:45	NESY T3 Lukas Ludescher "Apparent lattice deformation of ordered mesoporous silica during in-situ sorption small angle scattering measurements"	HS P2
16:45 - 17:00	COND T19 Andrea Navarro Quezada "Magnetoresistance of phase separated (Ga,Fe)N containing $\text{Ga}_y\text{Fe}_{4-y}\text{N}$ embedded nanocrystals "	HS P2
17:00 - 17:15	COND T20 Maurizio Musso "Characterization of Tannin-Furanic Foams by Raman Spectroscopy, Infrared Spectroscopy, and by X-ray Computed Microtomography"	HS P2
17:15 - 17:30	COND T21 Benedetta Marmioli "X-ray study of the Hydration of Lipid Membranes upon Interaction with a Mesoporous Support prepared by Deep X-Ray Lithography Technique"	HS P2
SESSION: AMP I CHAIR: Roland LAMMEGGER		
16:00 - 16:20	AMP T1 Christoph Amtmann "A coupled dark state magnetometer developed for space mission"	HS P3
16:20 - 16:40	AMP T2 Laurin Ostermann "Super- and subradiance of a 1D chain of clock atoms trapped inside an optical fiber"	HS P3
16:40 - 17:00	AMP T3 Maxime Jacquet "The influence of spacetime curvature on quantum emission in optical analogues to gravity"	HS P3

17:00 - 17:20	<p>AMP T4</p> <p>Pascal Heim "Bayesian Analysis of Femtosecond Pump-Probe Photoelectron-Photoion Coincidence Measurements"</p>	HS P3
<p>SESSION: FAKT II CHAIR: Reinhard ALKOFER</p>		
16:00 - 16:15	<p>FAKT T5</p> <p>Alicia Wongel "SModelS: An LHC New Physics Tool - Update to signatures beyond missing energy"</p>	SR TDK
16:15 - 16:30	<p>FAKT T6</p> <p>Victor Franz Hess Award Winner</p> <p>Erica Brondolin "Track reconstruction in the CMS experiment for the High Luminosity LHC"</p>	SR TDK
16:30 - 16:45	<p>FAKT T7</p> <p>Manfred Valentan "The CMS High Granularity Calorimeter for the High Luminosity LHC"</p>	SR TDK
16:45 - 17:00	<p>FAKT T8</p> <p>Dominic Blöch "The CMS Outer Tracker system for the High Luminosity LHC"</p>	SR TDK
17:00 - 17:15	<p>FAKT T9</p> <p>Carina Trippel "A New High-precision Silicon Drift Detector System for Kaonic Atom Measurements at J-PARC and DAFNE"</p>	SR TDK
17:15 - 17:30	<p>FAKT T 10</p> <p>Marlene Tüchler "A charged particle veto detector for kaonic deuterium measurements at DAFNE"</p>	SR TDK
<p>SESSION: OGD IV CHAIR: Margareta WAGNER</p>		
16:00 - 16:30	<p>OGD T17</p> <p>Oliver Diwald "Porphyrin Adsorption at Metal Oxide Nanoparticle Surfaces and Solid-Liquid Interfaces"</p>	HS BMT
16:30 - 16:45	<p>OGD T18</p> <p>Larissa Egger "Metalation of Organic Molecules: Tetraphenylporphyrin on thin films MgO(001)/Ag(001)"</p>	HS BMT
16:45 - 17:00	<p>OGD T19</p> <p>Michel Bockstedte "Electronic states of porphyrins at surfaces: the signature of supramolecular network formation"</p>	HS BMT

17:00 - 17:15	OGD T20 Aleksandar Matkovic "Interfacial band engineering of MoS ₂ /gold interfaces using pyrimidine containing self-assembled monolayers"	HS BMT
17:15 - 17:30	OGD T21 Markus Kratzer "Controlling initial stages of organic thin film growth by the step width of ion beam modified TiO ₂ (110)"	HS BMT
SESSION: ELI II CHAIR: Zsolt FULOP		
16:00 - 16:30	ELI T5 Sergei Bulanov, Georg Korn "Extreme Light Infrastructure (ELI): Science and Technology at the ultra-intense Frontier"	SR IF
16:30 - 16:50	ELI T6 Kazuo Tanaka "Where does ELI-NP stand now?"	SR IF
16:50 - 17:10	ELI T7 Ronald Meisels "Simulation of EUV mirrors towards all-angle reflection"	SR IF
17:30 - 19:00	POSTER SESSION	Basement
19:00 - 20:30	PUBLIC EVENING LECTURE / CHAIR: Wolfgang ERNST Ferenc KRAUSZ "Schnellste Vorgänge im Mikrokosmos: Von der Grundlagenforschung bis hin zur Krebsbekämpfung" (with reception)	HS P1