

Gemeinsame Jahrestagung in Wien, 01. - 04. September 2015

Réunion commune à Vienne, 1 - 4 septembre 2015

Programmübersicht - Résumé du programme

Alle Teilnehmer erhalten das vollständige Programm am Tagungssekretariat. Es wird außerdem auf der Konferenz- und der SPG-Webseite publiziert.

Hinweise:

- Je Beitrag wird nur der präsentierende Autor aufgeführt.
- Die Postersitzung ist am Dienstag von 18:00 - ca. 19:30 (mit Aperitif) sowie am Donnerstag von 12:20 - 14:00 (mit Lunch Buffet).
- (p) = Plenarsprecher, (i) = eingeladener Sprecher

Le programme final complet sera distribué aux participants au stand du secrétariat de la conférence et sera publié sur le site de la conférence et de la SSP.

Indication:

- seul le nom de l'auteur présentant la contribution a été indiqué.
- la session poster a lieu le mardi de 18.00 à env. 19.30 (avec apéro) ainsi que le jeudi de 12:20 à 14:00 (avec buffet de midi).
- (p) = orateur de la session plénière, (i) = orateur invité

Spezial: Energietag 2015

Montag, 31.08.2015, Hörsaal EI 8

Time	ID	ENERGIETAG <i>Chair: Brigitte Pagana-Hammer, Werner Spitzl</i>
10:00		Eröffnung, Vorstellung der Festschrift
10:30	51	Die physikalischen Grundlagen der thermoelektrischen Effekte <i>Karl-Heinz Gresslehner</i>
11:15 *	52	Materialdesign für thermoelektrische Anwendungen <i>Silke Bühler-Paschen</i>
12:00 *	53	Thermoelektrizität: von "wireless sensing" zu "energy harvesting" <i>Ernst Bauer</i>
12:45		Mittagspause <i>Chair: Brigitte Pagana-Hammer</i>
13:30	54	Aktuelle Trends in der Energiewirtschaft <i>Susanna Zapreva</i>
14:15 *	55	Elektrothermische Energiespeicherungskonzepte <i>Jaroslav Hemrle</i>
15:15		Kaffeepause
15:45	56	Thermochemische Energiespeicherung durchreversible, chemische Reaktionen <i>Andreas Werner</i>
16:30 *	57	Effiziente Abwärmenutzung durch Hochtemperaturwärmepumpen in der Industrie <i>Thomas Fleckl</i>
17:15		Aperitif
18:00	58	Energiewende, Nachhaltige Entwicklung und die Rolle der Kunststoffe - Eine zentrale technologische Herausforderung im Anthropozän <i>Reinhold W. Lang</i> <i>anschließend Diskussion</i>
19:15		ENDE

Anmerkungen:

- Die mit * bezeichneten Zeiten können sich leicht nach vorne oder hinten verschieben.
- Der Energietag ist von der gemeinsamen Jahrestagung unabhängig und kann ohne Registrierung besucht werden. Alle Vorträge werden auf Deutsch gehalten.

Mit großem Bedauern müssen wir mitteilen, dass der für den Energietag angekündigte Vortrag von Prof. Dr. Kurt Charles Heiniger entfällt. Herr Heiniger ist vor Kurzem in den Schweizer Bergen tödlich verunglückt. Die Organisatoren möchten seiner Familie, seinen Mitarbeitern und Freunden ihre aufrichtige Anteilnahme ausdrücken.

Plenary Session

Tuesday, 01.09.2015, Room EI 7

Time	ID	PLENARY SESSION I <i>Chair: Gottfried Strasser, TU Wien</i>
09:20		OFFICIAL CONFERENCE OPENING
09:40	1	Optoelectronics in two-dimensional atomic crystals <i>Thomas Müller, TU Wien (p)</i>
10:20		Coffee Break
10:50	2	Beyond density functional theory: efficient many body techniques for condensed matter <i>Georg Kresse, Uni Wien (p)</i>
11:30		Award Ceremony
12:30		Lunch
13:30		Topical Sessions
18:00		Postersession and Aperitif
		PUBLIC LECTURE <i>Chair: Stéphane Goyette, Uni Genève</i>
19:45	21	The future of Earth's climate - is it really in our hands? <i>Jens Hesselbjerg Christensen, Danish Meteorological Institute Copenhagen (p)</i>
21:00		

Wednesday, 02.09.2015, Room EI 7

Time	ID	PLENARY SESSION II <i>Chair: Minh Quang Tran, EPFL</i>
09:00	3	SwissFEL: science opportunities at the newest facility of the Paul Scherrer Institute <i>Joël Mesot, PSI Villigen (p)</i> <i>Chair: Georg Pabst, Uni Graz</i>
09:40	4	Acoustic Force Spectroscopy <i>Gijs Wuite, Uni Amsterdam (p)</i>
10:20		Coffee Break <i>Chair: Eberhard Widmann, SMI Wien</i>
10:50	31	The kinetic mixing portal in cosmology, astrophysics, and experiment. <i>Josef Pradler (i)</i> <i>Chair: Frank Kassubek, ABB Baden</i>
11:20	32	Experimental realisation of the topological Haldane model with ultracold fermions <i>Gregor Jotzu (i)</i>
11:50		General Assemblies (ÖPG: Room EI 7, SPS: Room EI 8)
12:40		Lunch

13:30	Topical Sessions	
19:15	Transfer to Dinner	
20:00	Conference Dinner	

Thursday, 03.09.2015, Room EI 7

Time	ID	PLENARY SESSION III <i>Chair: Hans Peter Beck, Uni Bern</i>
09:00	5	Precision particle physics at low energies <i>Klaus Kirch, ETH Zürich & PSI Villigen (p)</i>
09:40	SPS Honorary Member Ceremony <i>Chair: Christophe Rossel, IBM Rüschlikon</i>	
09:50	6	Scanning probe microscopy of single atoms/molecules on insulating films: Orbital imaging, molecular geometry and intramolecular charge distribution <i>Gerhard Meyer, IBM Rüschlikon (p)</i>
10:30	Coffee Break <i>Chair: Karl Unterrainer, TU Wien</i>	
11:00	7	Nanoscopy with focused light <i>Stefan Hell, MPI für biophysikal. Chemie Göttingen (p)</i>
11:40	8	Chiral interaction of light and matter in confined geometries <i>Arno Rauschenbeutel, TU Wien (p)</i>
12:20	Postersession (continued) and Lunch Buffet	
14:00	Topical Sessions	
		LISE-MEITNER LECTURE (PUBLIC LECTURE) <i>Chair: Monika Ritsch-Marte, Uni Innsbruck</i>
19:45	22	Licht hinter Gittern: Wie holographische Verfahren Materie strukturieren und anordnen können <i>Cornelia Denz, Uni Münster (p)</i>
21:00		

Friday, 04.09.2015, Room EI 7

Time	ID	PLENARY SESSION IV <i>Chair: Helmut Dannerbauer, Uni Wien</i>
09:00	9	Cosmology with the Planck satellite <i>François Bouchet, Inst. d'Astrophysique de Paris (p)</i> <i>Chair: Minh Quang Tran, EPFL</i>
09:40	10	Physics challenges for burning plasmas <i>Ambrogio Fasoli, EPFL (p)</i>
10:20	Coffee Break <i>Chair: Helmut Dannerbauer, Uni Wien</i>	
10:50	11	The ESO science capabilities <i>Bruno Leibundgut, ESO München (p)</i>
11:30	Best Poster Awards	
11:45	Topical Sessions	
14:00	END OF CONFERENCE	

Careers for Physicists

Wednesday, 02.09.2015, Room EI 4

Time	ID	CAREERS FOR PHYSICISTS <i>Chair: Kai Hencken, ABB Baden</i>
14:00	61	Physikerinnen und Physiker in der Industrie <i>Elisabeth Schwab (i)</i>
14:30	62	Selbstständigkeit - eine echte Alternative? <i>Doris Steinmüller-Nethl (i)</i>
15:00	63	Startup funding <i>Soren Charareh (i)</i>
15:30	64	Als Physikerin in einer Leitungsfunktion im Banksektor <i>Ilinka Kajgana (i)</i>
16:00	Coffee Break	
16:30	65	Der Weg entsteht im Gehen: Gedanken eines Physikers <i>Christian Teissl (i)</i>
17:00	66	The excellence of Physicists in business <i>Josef Siess (i)</i>
17:30	END	

Physik und Schule

Tuesday, 01.09.2015, Room EI 2

Time	ID	PHYSIK UND SCHULE: VERGLEICH DER KONZEPTE DER PHYSIKLEHRAMTSAUSBILDUNG IM DEUTSCHSPRACHIGEM BEREICH <i>Chair: Martin Hopf, Uni Wien</i>
13:30	81 82 83	Veränderung ist die einzige Konstante: Physiklehrer-Ausbildung in der Schweiz, in Deutschland und Österreich <i>Tibor Gyalog Ronald Binder Alexander Strahl</i>
15:00	Podiumsdiskussion Gemeinsamkeiten, Unterschiede und Probleme der Physiklehrer-Ausbildung	
15:30	Coffee Break <i>Chair: Alexander Strahl, Uni Salzburg</i>	
16:00	84	Smartphones im Physikunterricht: Die digitale Revolution im Klassenzimmer? <i>Gerhard Rath</i>
16:30	Vorstellung der prämierten vorwissenschaftlichen Arbeiten (VWA)	
?	END	
18:00	Postersession and Aperitif	
19:45	Public Lecture	

ID	PHYSIK UND SCHULE POSTER
91	A New Initiative in Education of Highly-Talented Children in Astronomy and Astrobiology <i>Johannes Leitner</i>
92	Education of Physics Teachers in the Scientific Discipline of Astrobiology <i>Johannes Leitner</i>

KOND

Tuesday, 01.09.2015, Room EI 9

Time	ID	KOND I Chair: Louis Schlapbach
13:30	101	Switching of magnetic domains reveals spatially inhomogeneous superconductivity <i>Simon Gerber (i)</i>
14:00	102	In-chain impurity doping dependence of coupled spin and orbital dynamics in 1D-cuprates <i>Marcus Dantz</i>
14:15	103	Ground state of underdoped cuprates <i>Petar Popčević</i>
14:30	104	On the stability of the vortex lattice of silver sheathed $\text{Sr}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ tapes <i>Michael Reissner</i>
14:45	105	<i>moved to 140</i>
15:00	106	The effect of As-chain layers on the electronic structure in '112' iron-pnictides – a high-resolution ARPES study <i>Christian Matt</i>
15:15	107	High Precision MC/RG Study of Elastic Fluctuations in Solid Membranes <i>Andreas Tröster</i>
15:30		Coffee Break
		KOND II Chair: Alberta Bonanni, JKU Linz
16:00	111	Electronic stopping and charge exchange of slow light ions in metals and semiconductors <i>Dominik Göbl (i)</i>
16:30	112	Single-layer MoS_2 : Electronics in two dimensions <i>Branimir Radisavljevic (i)</i>
17:00	113	High performances normally-off AlGaIn/GaN True-MOS with sub-micrometric gate features <i>Mattia Capriotti</i>
17:15	114	Vertical breakdown in AlGaIn/GaN high electron mobility transistors. <i>Clément Fleury</i>
17:30	115	Topological band order and optical properties of InAs, InSb and their ternary alloys under biaxial lattice expansion. <i>Shirin Namjoo</i>
17:45	116	MBE Growth Optimization of GaAsSb <i>Tobias Zederbauer</i>
18:00		Postersession and Aperitif
19:45		Public Lecture

Wednesday, 02.09.2015, Room EI 9

Time	ID	KOND III Chair: Christophe Rossel, IBM Rüschlikon
13:30	121	Fractional excitations in the square lattice quantum ferromagnet <i>Bastien Dalla Piazza (i)</i>
14:00	122	Doping dependence of the magnetic excitations in electron doped NaFeAs <i>Jonathan Pellicciari</i>
14:15	123	Spatially resolved ferromagnetic resonance (FMR) detected by a microresonator <i>Taddäus Schaffers</i>
14:30	124	High-field Mössbauer and structural investigation on FeSb_2 <i>Michael Reissner</i>

14:45	125	Towards broad-band x-ray detected ferromagnetic resonance in longitudinal geometry <i>Andreas Ney</i>
15:00	126	Using the far field of ring lasers to characterize their whispering gallery modes <i>Rolf Szedlak</i>
15:15	127	Thermal optimization of ring quantum cascade lasers <i>Martin Holzbauer</i>
15:30	128	Quantum Cascade THz Random Lasers <i>Sebastian Schönhuber</i>
15:45	129	Quantitative statistics in super-continuum probed transient absorption spectroscopy <i>Bernhard Lang</i>
16:00		Coffee Break
		KOND IV Chair: NN
16:30	131	Electron-Optics in suspended Graphene <i>Peter Rickhaus (i)</i>
17:00	132	Generation of Massively Twisted Electron Vortex Beams in a TEM <i>Thomas Schachinger</i>
17:15	133	Band inversion, topological phase transition and surface Dirac gap formation in the topological crystalline insulator (Pb,Sn)Se <i>Bastian M. Wojek</i>
17:30	134	Simulation of the dynamics of Dirac fermions on topological insulator surfaces <i>Walter Poetz</i>
17:45	135	Solving a quantum many-body problem by experiment <i>Thomas Schweigler</i>
18:00	136	Photon pairs from microcavity polaritons <i>Mathias Sasser mann</i>
18:15	137	Spin sensitive interactions in the spin polarized 2D electron gas <i>Dominik Kreil</i>
18:30	138	Thermal conductivity of rattling triggered heavy phonons <i>Matthias Ikeda</i>
18:45	139	Calculating forces in the random phase approximation (RPA) <i>Benjamin Ramberger</i>
19:00	140	Connection between high energy spin excitations and degree of electron correlations in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ superconductors <i>Jonathan Pellicciari</i>
19:15		Transfer to Dinner
20:00		Conference Dinner

Thursday, 03.09.2015, Room EI 9

Time	ID	KOND V Chair: Oskar Paris, Uni Leoben
17:00	141	Small Angle Scattering from free metal clusters in a supersonic molecular beams <i>Heinz Amenitsch</i>
17:30	142	Early Stage Protein/Nanoparticles Interaction Studied by SAXS and a Free Jet Micromixer <i>Benedetta Marmiroli</i>
17:45	143	Dynamics of the self-assembled supermolecular structure of perylene bisimide and oxygenic polyoxometalates <i>Max Burian</i>

18:00	144	Core-Shell Nanoparticles – Insights in Their Growth and Dynamic Behaviour by Small-Angle X-Ray Scattering <i>Tilman A. Grünewald</i>
18:15	145	Chemical and crystalline Structure of spherical and non-spherical CdSe-CdS nanocrystals <i>Lukas Ludescher</i>
18:30	146	Role of spin-orbit coupling in osmates probed by oxygen K edge resonant x ray scattering and x ray absorption <i>Xingye Lu</i>
18:45	147	<i>cancelled</i>
19:00		Vollversammlung Fachausschuß NESY
19:30		END
19:45		Public Lecture

ID	KOND POSTER
161	Probing the resistivity and doping concentration of semiconductors at the nanoscale using Scanning Microwave Microscopy <i>Enrico Brinciotti</i>
162	Diffusion modelling of language shift in Carinthia, Austria <i>Katharina Prochazka</i>
163	Formation of p-n junctions in GaAs/InGaAs nanowires <i>Suzanne Lancaster</i>
164	Oxide diffusion barriers on GaAs(001) <i>Anirban Sarkar</i>
165	Confocal Brillouin Microscopy Imaging <i>Augustinus Asenbaum</i>
166	Calorimetry of a Bose-Einstein condensed photon gas <i>Qi Liang</i>
167	Solvation structure around the Li ion in a mixed cyclic/linear carbonate solution unveiled by the Raman noncoincidence effect <i>Maurizio Musso</i>
168	Superheating and Structural Changes of Lithium and Sodium in Nanoporous Glasses <i>Gerhard Krexner</i>

Surfaces, Interfaces and Thin Films

Tuesday, 01.09.2015, Room EI 10

Time	ID	SURFACES, INTERFACES AND THIN FILMS I <i>Chair: Martin Setvin, TU Wien</i>
16:00	201	Differential Optical Spectroscopy for Surface Science <i>Peter Zeppenfeld (i)</i>
16:30	202	Spin spectroscopy of molecular quantum dots with a radio frequency scanning tunneling microscope <i>Stefan Wiespointner-Baumgarthuber</i>
16:45	203	Charge exchange of He backscattered from metals and metal oxides in Low Energy Ion Scattering <i>Barbara Bruckner</i>
17:00	204	In-situ atomic-scale control of the pulsed-laser growth of a polar perovskite oxide <i>Stefan Gerhold</i>
17:15	205	ALD grown bilayer gate stacks for Schottky-barrier Si and Ge MOSFETs <i>Bernhard Lutzer</i>

17:30	206	Electrical Characterization of Yttrium Oxide grown by Atomic Layer Deposition for Germanium based MOS Devices <i>Christina Zimmermann</i>
17:45	207	Functional modulated structures based on transition metal doped nitrides <i>Giulia Capuzzo</i>
18:00		Postersession and Aperitif
19:45		Public Lecture

Wednesday, 02.09.2015, Room EI 10

Time	ID	SURFACES, INTERFACES AND THIN FILMS II <i>Chair: Christian Teichert, Uni Leoben</i>
13:30	211	Subsurface Cation Vacancy Stabilization of the Magnetite (001) Surface <i>Peter Blaha (i)</i>
14:00	212	An Atomic Scale View of Metal-Assisted Redox Reactions on Fe ₃ O ₄ -Supported Au and Pt Catalysts <i>Gareth Parkinson</i>
14:15	213	<i>cancelled</i>
14:30	214	SMSI in inverse model catalysts: ZrO ₂ on Pt and Rh <i>Joong Il Jake Choi</i>
14:45	215	Manipulation of diffusion paths of Pd atoms through silica thin films on Ru(0001) by hydroxylation <i>Sascha Pomp</i>
15:00	216	A Surface Science Approach to Catalyst Preparation <i>Martin Sterrer (i)</i>
15:30	217	Vortex Assisted Growth of Metallic Nanowires in Superfluid Helium Droplets <i>Alexander Volk</i>
15:45	218	Formation of Ag-Au core-shell clusters in superfluid helium nanodroplets studied by atomic resolution electron tomography <i>Philipp Thaler</i>
16:00		Vollversammlung Fachausschuß OGD
16:05		Coffee Break
Time	ID	SURFACES, INTERFACES AND THIN FILMS III <i>Chair: Ulrike Diebold, TU Wien</i>
16:30	221	Optimizing pentacene thin-film transistor performance: Temperature and surface configuration induced growth modifications <i>Roman Lassnig</i>
16:45	222	1,4-Phenylene Diisocyanide (PDI) Adsorption on Metals Investigated by SFG and STM: From Single Crystals to Supported Nanoparticles <i>Ahmed Ghalgaoui</i>
17:00	223	Island shape anisotropy of organic thin films on ion-beam irradiated rippled substrates <i>Markus Kratzer</i>
17:15	224	Single molecules of Sexiphenyl on In ₂ O ₃ (111) <i>Margareta Wagner (i)</i>
17:45	225	Interplay of weak interactions in the condensation of xenon: Atom by atom investigations in quantum boxes <i>Seyedeh Fatemeh Mousavi</i>
18:00	226	Polarization dependent photoelectron emission and optical reflectance of organic thin films on metallic surfaces <i>Andrea Navarro Quezada</i>
18:15	227	Switching individual azobenzene-based molecules on metallic and insulating surfaces <i>Simon Jaekel</i>

18:30	228	Helium atom scattering measurements revealing the full phononic dispersion of Sb(111) <i>Patrick Kraus</i>
18:45	229	Surface Chemistry of Oxygen and Water on Anatase TiO ₂ (101) <i>Martin Setvin</i>
19:00		
19:15		<i>Transfer to Dinner</i>
20:00		<i>Conference Dinner</i>

Thursday, 03.09.2015, Room EI 9

Time	ID	SURFACES, INTERFACES AND THIN FILMS IV <i>Chair: Peter Zeppenfeld, JKU Linz</i>
14:00	231	Tailoring the nature and strength of electron-phonon interactions in the SrTiO ₃ (001) two-dimensional electron liquid <i>Zhiming Wang (i)</i>
14:30	232	Electronic characteristics of adsorbate-adsorbent hybrid states in one-dimensional molecular structures on Cu(111) <i>Jun Zhang</i>
14:45	233	Size quantization signatures in graphene quantum point contacts <i>Florian Libisch</i>
15:00	234	Intercalation-based decoupling and characterization of bottom-up fabricated graphene nanoribbons <i>Okan Deniz</i>
15:15	235	Controlling ligation and dimensionality in on-surface coordination polymers by ad-atom specific reactions <i>Aisha Ahsan</i>
15:30	236	Adsorption of fullerenes on metal surfaces: Vacancy patterning and patterning vacancies <i>Alexander Kaiser</i>
15:45	237	Assembly of functional molecules - or how to overcome the repulsion between porphyrins on noble metal surfaces <i>Knud Seufert</i>
16:00	238	Atomistic Interface Modeling in III-V Semiconductor Superlattices <i>Jürgen Maier</i>
16:15	239	On the mechanism of photoconductivity in atomically thin MoS ₂ <i>Dmitry Polyushkin</i>
16:30		<i>Coffee Break, END</i>
19:45		<i>Public Lecture</i>

ID	SURFACES, INTERFACES AND THIN FILMS POSTER	
251	Vector piezoresponse force microscopy for analysing the orientation distribution function of ferroelectric domains <i>Michael Lasnik</i>	
252	Growth morphologies of small polar molecules on silicon dioxide and graphene <i>Benjamin Kaufmann</i>	
253	Angle-resolved photoemission spectroscopy (ARPES) simulations of benzene on Pd(110) <i>Bernd Kollmann</i>	
254	TiO ₂ nanotube arrays for photovoltaic application <i>Krunoslav Juračić</i>	
255	AFM and KPFM investigation of high strength aluminum brazing sheets <i>Michael Huszar</i>	
256	Graphene-based integrated photonics <i>Simone Schuler</i>	

257	Electrochemistry of Iron Oxide Model Surfaces <i>Peter Seidel</i>
258	Charge dependent adsorption of carbon dioxide on fullerenes <i>Thomas Kurzthaler</i>
259	Creating Ordered Indium Adatoms on the In ₂ O ₃ (111) surface <i>Peter Lackner</i>
260	Ion-beam-induced magnetic and structural phase transformation of fcc Fe thin films <i>Jonas Gloss</i>

TASK-FAKT

Tuesday, 01.09.2015, Room EI 7

Time	ID	TASK-FAKT I: HIGH ENERGY FRONTIER I <i>Chair: Gertrud Konrad, TU Wien & SMI Wien</i>
13:30	301	Studying QCD matter with the ALICE detector <i>Michael Weber (i)</i>
14:00	302	Search for extra dimensions in the high mass diphoton spectrum at 13 TeV <i>Milena Quittnat</i>
14:15	303	CMS performance of Jets and Missing energy in 13 TeV data <i>Robert Schoefbeck</i>
14:30	304	Optical receivers for the ATLAS Pixels Layers 1 and 2 upgrade <i>Geoffrey Mullier</i>
14:45	305	Results and prospects for the measurement of Higgs boson decays to pairs of tau leptons with the CMS experiment <i>Johannes Brandstetter</i>
15:00	306	ATLAS searches for new physics in final states with 2 leptons in 13 TeV pp collisions <i>Maria Elena Stramaglia</i>
15:15	307	Exotic and non-exotic quarkonium properties within the Dyson-Schwinger--Bethe-Salpeter equation approach <i>Thomas Hilger</i>
15:30		<i>Coffee Break</i>
		TASK-FAKT II: HIGH ENERGY FRONTIER II <i>Chair: Michael Weber, SMI Wien</i>
16:00	311	CMS Phase I Upgrade - A "Test Bench" for Pixel Modules. <i>Dehua Zhu</i>
16:15	312	Simplified Models interpretation of LHC results with SModelS <i>Federico Ambrogio</i>
16:30	313	An overview of meson phenomenology beyond spectroscopy from the DSBSE approach <i>Andreas Krassnigg</i>
16:45	314	Recent measurements of quarkonium production with the CMS experiment <i>Ilse Krätschmer</i>
17:00	315	Novel methods and expected run 2 performance of ATLAS track reconstruction in dense environments <i>Roland Jansky</i>
17:15	316	Search for stop pair production in SUSY models with highly compressed mass spectra with the CMS experiment at the LHC <i>Navid Rad</i>
17:30	317	<i>moved to 346</i>

17:45	318	Development of HV-CMOS Pixel Sensors for the Phase-2 ATLAS upgrades <i>Marco Rimoldi</i>
18:00		Postersession and Aperitif
19:45		Public Lecture

Wednesday, 02.09.2015, Room EI 7

Time	ID	TASK-FAKT III: INTERACTIONS AND FUNDAMENTAL SYMMETRIES AT LOW ENERGIES I <i>Chair: Klaus Kirch, ETH Zürich & PSI Villigen</i>
13:30	321	Towards a novel high-brightness muon beamline <i>Andreas Eggenberger</i>
13:45	322	The Compact Muon Beam Line for the Mu3e Experiment <i>Felix Berg</i>
14:00	323	Realization of a Quantum Bouncing Ball Gravity Spectrometer <i>Tobias Rechberger</i>
14:15	324	Vacuum energy and the cosmological constant <i>Steven Bass</i>
14:30	325	High sensitivity Cs magnetometers in experiment searching for a neutron electric dipole moment <i>Malgorzata Kasprzak</i>
14:45	326	Search for a violation of the Pauli Exclusion Principle with electrons <i>Andreas Pichler</i>
15:00	327	PERKEO III- Systematic effects related to the electromagnetic setup <i>Michael Klopf</i>
15:15	328	A neutron resonator for β -decay experiments with polarized neutrons <i>Wilfried Mach</i>
15:30	329	Sound modes and instabilities in coupled superfluids <i>Alexander Haber</i>
15:45		
16:00		Coffee Break
		TASK-FAKT IV: B-PHYSICS <i>Chair: Christoph Schwanda, HEPHY Wien</i>
16:30	331	NoMoS: Beyond the Standard Model Physics in Neutron Decay <i>Gertrud Konrad (i)</i>
17:00	332	Measurement of the decay $\bar{B} \rightarrow D \ell^- \bar{\nu}_\ell$ in fully reconstructed events and determination of the CKM matrix element $ V_{cb} $ <i>Robin Glattauer</i>
17:15	333	Full reconstruction of hadronic B_s decays at Belle <i>Alexander Leopold</i>
17:30	334	Beam test data analysis and resolution studies for the Belle II Silicon Vertex Detector <i>Benedikt Würkner</i>
17:45	335	Measurements of CP violation in flavour oscillations of neutral B mesons <i>Mirco Dorigo</i>
18:00	336	Determination of the pion-sigma scattering lengths from the $\Lambda_c \rightarrow \Sigma \pi \pi$ decay using Belle data <i>Manfred Berger</i>
18:15	337	Measurement of the photon polarisation in $B_s^0 \rightarrow \phi \gamma$ at the LHCb experiment <i>Zhirui Xu</i>
18:30	338	Study of the rare B_s^0 and B^0 decays into the $\pi^+ \pi^- \mu^+ \mu^-$ final state <i>Ilya Komarov</i>

18:45	339	Characterisation of the Hamamatsu MPPC multichannel array for LHCb SciFi Tracker <i>Axel Kuonen</i>
19:00	340	The Belle II Silicon Vertex Detector Readout Chain: Electronics, Power supplies and Cooling System. <i>Richard Thalmeier</i>
19:15		Transfer to Dinner
20:00		Conference Dinner

Thursday, 03.09.2015, Room EI 7

Time	ID	TASK-FAKT V: DETECTOR R & D <i>Chair: Paul Bühler, SMI Wien</i>
14:00	341	Calibration of POLAR with polarized X-ray beams at ESRF <i>Hualin Xiao</i>
14:15	342	The Radiation Hard Electron Monitor (RADEM) for the ESA JUICE mission <i>Alankrita Isha Mrigakshi</i>
14:30	343	A radio frequency quadrupole cooler for intense negative ion beams <i>Tobias Moreau</i>
14:45	344	Performance Studies of a W-CeF ₃ Sampling Calorimeter <i>Myriam Schönenberger</i>
15:00	345	Development of a cryogenic x-ray detector and an application for kaon mass measurement <i>Ken Suzuki</i>
15:15	346	Measurement of charged particle densities with the ATLAS detector at the LHC <i>Wolfgang Lukas</i>
15:30	347	ArgonCube - a stepping stone towards future modular large scale liquid argon time projection chamber <i>Damian Göldi</i>
15:45		
16:30		Coffee Break
		TASK-FAKT VI: DARK MATTER <i>Chair: Jochen Schieck, HEPHY & TU Wien</i>
17:00	351	Measurement of quarkonium polarization to probe QCD at the LHC: From puzzles to understanding <i>Valentin Knünz (i)</i>
17:30	352	Search for Dark Matter annihilations in the Sun using the completed IceCube neutrino telescope. <i>Mohamed Rameez</i>
17:45	353	Exploring sneutrino dark matter <i>Suchita Kulkarni</i>
18:00	354	Dark Axions Dark Energy <i>Josef Pradler</i>
18:15	355	Looking for dark matter with XENON1T <i>Lukas Büttikofer</i>
18:30	356	cancelled
18:30	357	Current status of the CRESST-II experiment <i>Holger Kluck</i>
18:45	358	Simulation of electron and gamma backgrounds in CRESST-II <i>Genk Türkoğlu</i>
19:00	359	Gas Emanation System for the GERDA experiment <i>Michael Miloradovic</i>
19:15	360	PMT calibration system of the XENON1T experiment <i>Payam Pakarha</i>
19:30		
19:45		Public Lecture

Friday, 04.09.2015, Room EI 7

Time	ID	TASK-FAKT VII: INTERACTIONS AND FUNDAMENTAL SYMMETRIES AT LOW ENERGIES II <i>Chair: Helmut Neufeld, Uni Wien</i>
11:45	361	η -Photoproduction off Quasi-Free Protons and Neutrons Bound in Light Nuclei <i>Lilian Witthauer (i)</i>
12:15	362	Neutron Imaging Investigations at Pakistan Atomic Research Reactor I (PARR I) <i>Fareeha Hameed</i>
12:30	363	Snapshots of a Quantum Bouncing Ball realized with the qBounce gravity spectrometer <i>Martin Thalhammer</i>
12:45	364	A High Intensity Muon Beamline Study at the Paul Scherrer Institut <i>Zachary Hodge</i>
13:00	365	Prototype Studies for the Mu3e Scintillating Fiber Hodoscope <i>Giada Rutar</i>
13:15	366	First Measurements of the MicroBooNE Experiment <i>Christoph Rudolf von Rohr</i>
13:30	367	Progress towards measuring the ground state hyperfine splitting of antihydrogen <i>Clemens Sauerzopf</i>
13:45	368	Accelerator Mass Spectrometry of Cesium Isotopes <i>Magdalena Kasberger</i>
14:00		END
		END OF CONFERENCE

ID	TASK-FAKT POSTER
381	The Upgrade of CMS tracker experiment at HL-LHC <i>Johannes Großmann</i>
382	Vertex detector R&D for CLIC <i>Niloufar Alipour Tehrani</i>
383	Developing Silicon Strip Detectors for HEP experiments with a large-scale commercial foundry <i>Thomas Bergauer</i>
384	The Barrel Scintillator Tile Hodoscope for PANDA <i>Dominik Steinschaden</i>
385	Development of a high-brightness low-energy muon beamline <i>Ivana Belosevic</i>
386	cancelled
387	Characterisation of scintillating fibre tracker in neutron radiation environment <i>Olivier Girard</i>
388	Development of a cryogenic x-ray detector and an application for kaon mass measurement. <i>Kevin Phelan</i>
389	Mu3e: Experimental Search for the Lepton Flavour Violating Decay $\mu^+ \rightarrow e^+ e^- e^+$ <i>Simon Corrodi</i>
390	Carrier free $^{10}\text{Be}/^9\text{Be}$ measurement with AMS <i>Marco Ploner</i>
391	Status of the ILIAS negative ion cooler project <i>Tobias Moreau</i>
392	Cryogenic developments and studies for a novel low-energy muon beam line. <i>Gunther Wichmann</i>
393	cancelled
394	Investigation of systematic effects of PERKEO III <i>Daniel Moser</i>

395	Active stabilization of a magnetic field for the nEDM experiment <i>Michał Rawlik</i>
396	Numerical Simulations for the measurement of the Ground-state Hyperfine Splitting of Antihydrogen <i>Bernadette Kolbinger</i>

Theoretical Physics

Wednesday, 02.09.2015, Room EI 3

Time	ID	THEORETICAL PHYSICS I <i>Chair: Robert Seiringer, IST Austria</i>
13:30	401	Superfluid Behavior of a Bose Einstein Condensate in a Random Potential <i>Jakob Yngvason (i)</i>
14:00	402	Large scale structure probes of inflation <i>Vincent Desjacques (i)</i>
14:30	403	Rotation of quantum impurities in the presence of a many-body environment <i>Mikhail Lemeshko (i)</i>
15:00	404	Molecular Dynamic simulation of a microscopic Laval nozzle <i>Helmut Ortmayer</i>
15:30		
16:00		Coffee Break
16:30	405	Majorana fermions in atomic-molecular systems at finite temperature and in the presence of a noise. <i>Mikhail Baranov (i)</i>
17:00	406	Chiral low-energy physics from squashed brane solutions in deformed N=4 Super-Yang-Mills <i>Harold Steinacker</i>
17:30	407	Conformal gravity holography, canonical charges and asymptotic symmetry algebra <i>Iva Lovrekovic</i>
18:00	408	New results on glueball decay in the Witten-Sakai-Sugimoto model <i>Frederic Brünner</i>
18:30	409	From holography towards real-world nuclear matter <i>Andreas Schmitt</i>
19:00		
19:15		Transfer to Dinner
20:00		Conference Dinner

Thursday, 03.09.2015, Room EI 3

Time	ID	THEORETICAL PHYSICS II <i>Chair: Gian Michele Graf, ETH Zürich</i>
14:00	411	Projective symmetry group classification of chiral spin liquids <i>Samuel Bieri (i)</i>
14:30	412	Holography with higher spins in flatland <i>Jan Rosseel (i)</i>
15:00	413	Exotic Bound States in Low Dimensions: Majorana Fermions. <i>Jelena Klinovaja</i>
15:30	414	Quantum enhanced measurement of an alternating signal <i>Andrey Lebedev (i)</i>
16:00		

16:30		Coffee Break
17:00	415	Generalizations of coherent states and continuous frames <i>Michael Speckbacher</i>
17:30	416	Holographic Entanglement Entropy from Numerical Relativity <i>Stefan Stricker</i>
18:00	417	Phase transitions and criticality of the Hubbard model in two and three dimensions <i>Thomas Schäfer</i>
18:30		END
19:45		Public Lecture

ID	THEORETICAL PHYSICS POSTER	
431	Protected state Ramsey spectroscopy <i>Laurin Ostermann</i>	
432	Time-dependent Hypernetted-Chain Euler-Lagrange Method for Nonlinear Response <i>Robert Zillich</i>	
433	Atomistic Fluid Dynamics: 2-dimensional turbulence and cavitation around an obstacle <i>Robert Zillich</i>	
434	Data Presentation of the Michelson-type-II Apexmeter measurement of the Solar motion in space, and Restoration of the Michelson-type-I device (interferometer) on Euclidean Grounds. <i>Karl Mocnik</i>	

Atomic Physics and Quantum Optics

Tuesday, 01.09.2015, Room EI 8

Time	ID	I: MOLECULES, ATTO-, FEMTO-SECOND SPECTROSCOPY <i>Chair: Antoine Weis, Uni Fribourg</i>
13:30	501	Identification of excited states in alkali – alkaline earth molecules by combination of theory and experiment <i>Johann Pototschnig</i>
13:45	502	The Influence of Resonances in Multiphoton Probing of Molecular Dynamics <i>Markus Koch</i>
14:00	503	Molecular Dissociation Induced by Stimulated Raman Scattering <i>Seyedreza Larimian</i>
14:15	504	Strong-field control of molecular processes <i>Sonia Erattupuzha</i>
14:30	505	Attosecond and femtosecond X-ray absorption spectroscopy in the 50-200 eV and in the 1-3.5 keV energy ranges <i>Enikoe Seres</i>
14:45	506	Attosecond Spatial Control of Electron Wavepackets <i>Markus Kitzler</i>
15:00		
15:30		Coffee Break
18:00		Postersession and Aperitif
19:45		Public Lecture

Wednesday, 02.09.2015, Room EI 8

Time	ID	II: QUANTUM INFORMATION <i>Chair: Peter Rabl, TU Wien</i>
13:30	511	Photonic time-energy entangled qudits from various discretization schemes <i>André Stefanov</i>
13:45	512	Information-theoretic noise and disturbance uncertainty relations for qubits studied in neutron spin measurements <i>Bülent Demirel</i>
14:00	513	A single-photon Ramsey-interferometer <i>Sven Ramelow</i>
14:15	514	Exotic entanglement with twisted photons <i>Mehul Malik</i>
14:30	515	Improvement of the polarized neutron interferometer setup demonstrating violation of a Bell-like inequality <i>Hermann Geppert</i>
14:45	516	Twisted photon entanglement through turbulent air across Vienna <i>Mario Krenn</i>
15:00	517	Coherent controlization in superconducting qubits <i>Nicolai Friis</i>
15:15		
16:00		Coffee Break
		III: FUNDAMENTAL PHYSICS, EXPERIMENTAL METHODS <i>Chair: Markus Arndt, Uni Wien</i>
16:30	521	An atomic hydrogen beam to test ASACUSA's apparatus for antihydrogen spectroscopy <i>Martin Diermaier</i>
16:45	522	Quantum diffraction an ultra-thin gratings: the role of a permanent dipole moment <i>Christian Knobloch</i>
17:00	523	Coherent coupling of distant nitrogen-vacancy ensembles via a superconducting quantum bus <i>Thomas Astner</i>
17:15	524	Cooling, lasing and PT-symmetry breaking phenomena with nitrogen-vacancy centers in diamond nanoresonators <i>Peter Rabl</i>
17:30	525	Anharmonic magnetic response of magnetic nanoparticles detected by atomic rf magnetometry <i>Simone Colombo</i>
17:45	526	A hybrid sensor based on nitrogen-vacancy center in diamond and piezomagnetic film for nanoscale stress measurement <i>Phani Peddibhotla</i>
18:00	527	Silicon-Nitride Integrated Source of Narrowband Entangled Photon-Pairs <i>Sven Ramelow</i>
18:15	528	Thin-disk laser multi-pass amplifier <i>Karsten R. F. Schuhmann</i>
18:30		
19:15		Transfer to Dinner
20:00		Conference Dinner

Thursday, 03.09.2015, Room EI 8

Time	ID	IV: COLD ATOMS / MATTER WAVES <i>Chair: Wolfgang E. Ernst, TU Graz</i>
14:00	531	Detection of non-locality in a Bose-Einstein condensate <i>Baptiste Allard</i>

14:15	532	A cold source for matter-wave interferometry with polypeptides <i>Philipp Geyer</i>
14:30	533	Observation of a quantum Cheshire Cat in a matter-wave interferometer experiment <i>Tobias Denkmayr</i>
14:45	534	Shaping arbitrary light potentials for matter-wave optics experiments <i>Mario Rusev</i>
15:00	535	Matter-wave diffraction at the physical limit <i>Christian Brand</i>
15:15		
16:30		Coffee Break
		V: MESOSCOPIC AND HYBRID SYSTEMS <i>Chair: Markus Koch, TU Graz</i>
17:00	541	Suppression of decoherence through spectral hole burning in a hybrid quantum system <i>Andreas Angerer</i>
17:15	542	Sympathetic cooling and self-oscillation in a hybrid atom-membrane system <i>Aline Faber</i>
17:30	543	Alkali Rydberg series on helium droplets: Screening effects of a nanosized helium dielectric <i>Wolfgang E. Ernst</i>
17:45	544	Cavity-assisted manipulation of freely rotating silicon nanorods in high vacuum <i>Stefan Kuhn</i>
18:00	545	cancelled
18:15	546	Spectral engineering in hybrid quantum systems with collectively coupled spin ensembles <i>Dmitry Krimer</i>
18:30		END
19:45		Public Lecture

ID	ATOMIC PHYSICS AND QUANTUM OPTICS POSTER	
561	Characterization of relaxation times in a buffer-gas Rb vapor cell for high-performance Rb atomic clocks <i>Mohammadreza Gharavipour</i>	
562	Cavity cooling nanoparticles <i>James Millen</i>	
563	Coulomb explosion of multiply charged helium-nano-droplets <i>Lorenz Kranabetter</i>	
564	Contribution of parametric amplification of x-rays in high harmonic generation <i>Jozsef Seres</i>	
565	Ultracold atoms on a superconducting atomchip <i>Fritz Diorico</i>	
566	On Violating Local Realism with Bell's Inequality <i>Marissa Giustina</i>	
567	Adaptive multifrequency light collection by self-ordered mobile scatterers in optical resonators <i>Valentin Torggler</i>	
568	Photon Diagnostics at SwissFEL <i>Pavle Juranic</i>	
569	Testing the foundations of quantum mechanics with multi-path interferometers <i>Thomas Kauten</i>	
570	Resonance tuning with asymmetric metamaterials <i>Moritz Wenclawiak</i>	
571	Coherent manipulation of non-classical motional states <i>Sandrine van Frank</i>	

572	Quantum Experiments at Space Scale <i>Thomas Scheidl</i>
573	Quantum Imaging with undetected photons <i>Gabriela Barreto Lemos</i>
574	Rb-based Stabilized Laser at 1572 nm for CO ₂ monitoring <i>William Moreno</i>
575	A VUV frequency comb for high-precision spectroscopy of an optical nuclear transition of Thorium-229 <i>Georg Winkler</i>
576	Quantum Interference and the Degree of Polarization of a Light Beam <i>Mayukh Lahiri</i>
577	Violating a multipartite local-realistic inequality with highly-efficient homodyne detection <i>William Plick</i>
578	Atomic self-ordering in a ring cavity with counterpropagating pump fields <i>Stefan Ostermann</i>
579	Nanowire quantum dot molecules <i>Tobias Huber</i>
580	Towards multiple phase measurements of a single pair of Bose-Einstein condensates <i>Mira Maiwöger</i>
581	Swiss made Positrons and Positronium <i>Paolo Crivelli</i>
582	Advances in semiconductor waveguide characterization <i>Benedikt Pressl</i>
583	Quantum Interference Fringes Controlled with Non-interfering Photons <i>Armin Hochrainer</i>
584	Coherence and degree of time-bin entanglement from quantum dots <i>Max Prilmüller</i>
585	Experimental Creation and Verification of Multi-Partite High-Dimensional Entanglement <i>Manuel Erhard</i>
586	InAs/AlSb terahertz quantum cascade laser <i>Martin A. Kainz</i>
587	Fast Production of Correlated He* Atom Pairs <i>Michael Keller</i>
588	Probing Ultracold Quantum Gases with HBT and higher-order Correlation Measurements <i>Rugway Wu</i>
589	Tailoring light transport at the nanoscale <i>Filippo Fratini</i>
590	General description of quasi-adiabatic dynamical phenomena near exceptional points <i>Thomas Milburn</i>
591	Stationary phases of parity-time-symmetric (phonon) laser arrays <i>Kosmas Kepesidis</i>
592	Applications of the hybrid quantum system consisting of NV-center spin ensembles <i>Zeliang Xiang</i>

Applied Physics Geophysics, Atmosphere and Environmental Physics (combined session)

Tuesday, 01.09.2015, Room EI 3

Time	ID	COMBINED SESSION <i>Chair: Stéphane Goyette, Uni Genève</i>
13:30	601	Fully Consistent Finite-Strain Landau Theory for High-Pressure Phase Transitions <i>Andreas Tröster</i>
13:45	602	Modeling the Absorption of Microwaves in Multi-component Rock <i>Ronald Meisels</i>
14:00	603	Reactions of Nitrogen Oxides With Hydrated Ions <i>Christian van der Linde</i>
14:15	604	A bi-functional surface emitting and detecting mid-infrared device for sensing applications <i>Andreas Harrer</i>
14:30	605	Conductance measurements of individual molecular wires <i>Christophe Nacci</i>
14:45	606	STED Lithography Below the Diffraction Barrier <i>Richard Wollhofen</i>
15:00	607	Evaluation of insertion loss of noise barriers with special shapes <i>Holger Waubke</i>
15:15		END
15:30		Coffee Break
18:00		Postersession and Aperitif
19:45		Public Lecture

ID	APPLIED PHYSICS, GEOPHYSICS, ATMOSPHERE AND ENVIRONMENTAL PHYSICS POSTER
621	Direct measurement of axial optical forces <i>Martin Bawart</i>
622	Covalent bond ruptures in single molecule force spectroscopy <i>Florian Berger</i>
623	Electroluminescence and photovoltaics in two-dimensional semiconductors <i>Lukas Dobusch</i>
624	Dual-color electronically controlled terahertz time-domain spectroscopy <i>Vincent Paeder</i>
625	Investigation of tannin-furanic rigid foams by multi-wavelength Raman spectroscopy <i>Andreas Reyer</i>
626	The Enigma Thermochromic Behavior in Tetraalkyle Distibines (R_4Sb_2) <i>Andreas Reyer</i>
627	Investigation of structural phase transition in the clinopyroxene-type structure of $CaCu_{1-x}Zn_xGe_2O_6$ with Raman spectroscopy <i>Andreas Reyer</i>
628	Photodissociation of ionized Leucine Enkephalin <i>Andreas Herburger</i>
629	Interaction of sodium iodide clusters with small hydrocarbons <i>Nina Bersenkovitsch</i>
630	Ultrafast dynamics in highly doped plasmonic oxides <i>Wolfgang Eder</i>
631	Modeling of contact erosion for high voltage circuit breakers <i>Frank Kassubek</i>

632	Sensitivity of surface interactions in a Single-column Atmosphere-Lake model: a case study <i>Stephane Goyette</i>
633	Frequency noise and stabilization of quantum cascade lasers <i>Kutan Gurel</i>
634	The Photon Single Shot Spectrometer used at the Swiss-FEL <i>Jens Rehanek</i>
635	Using lensed fibers for stimulating ex-vivo retina: simulation and measurement results <i>Amir Tavala</i>
636	STED Lithography with Functional Clusters <i>Jaroslav Jacak</i>
637	Effective Perrin Theory for a Liquid of Infinitely Thin Brownian Needles <i>Sebastian Leitmann</i>

Plasma Physics

Tuesday, 01.09.2015, Room EI 3

Time	ID	PLASMA PHYSICS <i>Chair: Stephan Brunner, EPFL</i>
16:00	651	Experimental and numerical study of Niobium coating by DC-magnetron and bias diode sputtering <i>Thibaut Richard</i>
16:15	652	Influence of high magnetic field on plasma sputtering of ITER First Mirrors <i>Lucas Moser</i>
16:30	653	Morphological Changes of Tungsten Surfaces by Low-Flux Helium Plasma Treatment and Helium Incorporation via Magnetron Sputtering <i>Laurent Marot</i>
16:45	654	Feasibility study for a density-profile reflectometer diagnostic for TCV <i>Pedro Molina</i>
17:00	655	Scattering of radio frequency waves by turbulent structures in fusion plasmas <i>Oulfa Chellai</i>
17:15	656	Novel self-consistent linear theory for a gyrotron oscillator based on a spectral approach. <i>Jérémy Genoud</i>
17:30	657	Towards porting a gyrokinetic PIC code on coprocessor-equipped supercomputers <i>Emmanuel Lanti</i>
17:45	658	Emissive probe of carbon fibres for laboratory plasmas <i>Codrina Ionita</i>
18:00		END; Postersession and Aperitif
19:45		Public Lecture

ID	PLASMA PHYSICS POSTER
671	A flexible numerical scheme for simulating plasma turbulence in the tokamak scrape-off layer <i>Paola Paruta</i>
672	Simulation of the plasma profiles evolution for a tokamak discharge including time varying geometry <i>Anna Teplukhina</i>
673	Al-ZrO ₂ optical coating for ITER First Mirror <i>Zakaria Azdad</i>

674	Magnetron-Like Discharges with Permanent Magnet as Cathode <i>Roman Schrittwieser</i>
-----	--

Biophysics and Medical Physics

Wednesday, 02.09.2015, Room EI 2

Time	ID	MEDICAL PHYSICS <i>Chair: Georg Pabst, Uni Graz</i>
13:30	701	Non-clinical Research at MedAustron <i>Thomas Schreiner (i)</i>
14:00	702	DEA to bare and hydrated biomolecular clusters <i>Jusuf Khreis</i>
14:15	703	SAFIR: Towards a high-rate capable PET insert for multimodal dynamic imaging <i>Jannis Fischer</i>
14:30	704	Ultramicroscopy in neuroscience <i>Nina Jährling</i>
14:45	705	Magnesium from bio-resorbable implants: distribution and impact on the bone nano- and mineral structure <i>Helga Lichtenegger</i>
15:00	706	The influence of the topology of reversible cross-links on the mechanics of polymeric chain bundles <i>Soran Nabavi</i>
15:15	707	Structure - mechanics relationship of cellulose II aerogels <i>Harald Rennhofer</i>
15:30	708	<i>cancelled</i>
15:45		
16:00		Coffee Break
		BIOPHYSICS <i>Chair: Giovanni Dietler, EPFL</i>
16:30	711	Molecular chaperones: about pulling, folding, unfolding and energy consumption <i>Paolo De Los Rios (i)</i>
17:00	712	Techniques for direct imaging of nanoplateforms in the live cell plasma membrane <i>Mario Brameshuber</i>
17:15	713	GPI-anchored proteins do not reside in ordered domains in the live cell plasma membrane <i>Eva Sevcsik</i>
17:30	714	Nano-Confined Polymer Structures for Protein Binding <i>Jaroslav Jacak</i>
17:45	715	Asymmetric Lipid Vesicles at Subnanometer Resolution <i>Barbara Geier</i>
18:00	716	Ion-mediated membrane interactions under constrained and unconstrained conditions <i>Santosh Prasad Gupta</i>
18:15	717	The separation of racemic mixtures via functionalized, two-dimensional membranes: A new concept beyond molecular sieving <i>Andreas Hauser</i>
18:30	718	Intermediate-scattering function of a single self-propelled particle <i>Christina Kurzthaler</i>

18:45	719	Coherent deflectometry in a matter-wave interferometer for biomolecules <i>Lukas Mairhofer</i>
19:00		END
19:15		Transfer to Dinner
20:00		Conference Dinner

ID	BIOPHYSICS AND MEDICAL PHYSICS POSTER
731	A biosensor device based on microwave split ring resonators <i>Markus Wellenzohn</i>
732	Ultra-fast laser microprocessing of medical polymers for cell engineering applications <i>Jose L. Toca-Herrera</i>
733	DNA origami platform for protein interaction analysis <i>Viktoria Motsch</i>
734	Sound Speed Dispersion and Compressibility of Aqueous Lysozyme Solutions <i>Augustinus Asenbaum</i>

History of Physics

Thursday, 03.09.2015, Room EI 2

Time	ID	HISTORY OF PHYSICS <i>Chair: Peter M. Schuster, Echophysics</i>
14:00	801	Getting the radiation dose correct: The politics of radiation dosimetry and the role of the IAEA <i>Maria Rentetzi</i>
14:30	802	Fritz Houtermanns and the Age of the Earth <i>Walter Kutschera</i>
15:00	803	Die Universität Innsbruck in bayerischer Zeit 1805 – 1814: Physik und angewandte Mathematik <i>Armin Denoth</i>
15:30	804	Philip Uffenbachs 'Zeitweiser' published 1598 <i>Reinhard Folk</i>
16:00		Meeting of the HoP group members
16:30		Coffee Break
		<i>Chair: Heinz Krenn, Uni Graz</i>
17:00	805	Stefan Meyer and his legacy <i>Johann Marton</i>
17:30	806	300 Jahre Experimentalphysik an der Universität Wien – die Zeit von 1714 – 1850 <i>Franz Sachslehner</i>
18:00	807	100 Years of Physics at the University of Vienna <i>Wolfgang L. Reiter</i>
18:30		Concluding Remarks <i>Peter M. Schuster</i>
18:40		END
19:45		Public Lecture

Astrophysics

Thursday, 03.09.2015, Room EI 10

Time	ID	ASTROPHYSICS <i>Chair: Manuel Güdel, Uni Wien</i>
12:30 - 14:30		ÖGAA General Assembly
15:00	901	BRITE-Constellation: Five nanosatellites for astrophysics <i>Werner Weiss</i>
15:20	902	The Cherenkov Telescope Array single-mirror small size telescope project: status and prospects <i>Asen Christov</i>
15:40	903	FACT - Status and Experience <i>Gareth Hughes</i>
16:00	904	An Excess of Dusty Starbursts at z=2.2 <i>Helmut Dannerbauer</i>
16:20		
16:30		Coffee Break
		ASTROPHYSICS <i>Chair: Helmut Dannerbauer, Uni Wien</i>
17:00	905	Correlation between the UHECRs measured by the Pierre Auger Observatory and Telescope Array and neutrino candidate events from IceCube <i>Asen Christov</i>
17:20	906	The early evolution of (sub-)solar-mass protostars <i>Eduard Vorobyov</i>
17:40	907	Near-infrared molecular hydrogen emission in protoplanetary disks: a high resolution spectroscopy study. <i>Carla Baldovin Saavedra</i>
18:00	908	The impact of X-ray radiation and stellar cosmic rays on the chemical structure of protoplanetary disks around T Tauri stars. <i>Christian Rab</i>
18:20	909	The metamorphoses of Fe and the illusive FeO <i>Odysseas Dionatos</i>
18:40		END
19:45		Public Lecture

ID	ASTROPHYSICS POSTER
921	The radiation of M-stars and their impact on phototrophic organisms <i>Nicole Zibrid</i>

