Joint annual meeting of Swiss and Austrian Physical Societies 2017

Wednesday, 23 August 2017

Poster Session: Applied Physics & Earth, Atmosphere and Environmental Physics & Plasma Physics Poster - Main Hall (12:30 - 14:00)

[id] title	presenter	board
[264] 221 Photodissociation Cross Section of Cesium Iodide Clusters	OSWALD, Emanuel	
[269] 222 IR spectroscopy and reactivity studies of hydrated CO$_\text{2}^{\bullet-}$	HERBURGER, Andreas	
[272] 223 Stable Carbon Dioxide Anion Radical in Salt Clusters	Mrs BERSENKOWITSCH, Nina K.	
[274] 224 Reactivity of M(CO2)(H2O)n+; M=Co,Mg	BARWA, Erik	
[388] 225 Evaluation of ethyl tert-butyl ether biodegradation in a contaminatedaquifer by compound-specific isotope analysis and in situ microcosms	Mr NÄGELE, Norbert	
[237] 226 Laser Lightning Rod	Mr PRODUIT, Thomas	
[389] 227 Modelling of Radiative Heat Transfer for Plasma Arc Simulations	KASSUBEK, Frank	
[214] 228 Plasma fuelling in tokamaks	COROADO, Andre	
[312] 229 Studying the effect of non-adiabatic passing electron dynamics on turbulent transport in magnetic fusion plasmas	Mr CHANDRARAJAN JAYALEKSHMI, Ajay	

Poster Session: Atomic Physics and Quantum Optics Poster - Main Hall (12:30 - 14:00)

[id] title	presenter	board
[324] 531 Wave propagation in an exponential index profile: Exact solution and application to pump-probe spectroscopy	Dr SCHNEIDER, Arno	
[375] 532 Multi-Path Waveguide Interferometer with Individually Shuttered Paths	GSTIR, Sebastian	
[308] 533 Towards non-destructive, real-time transport measurements of interacting Fermi Gas	Mrs CILENTI, Barbara	
[270] 534 Superstatistical energy distributions of an ion interacting with a neutral buffer gas	Mr ROUSE, Ian	
[111] 535 Electron Interactions with Doped Neon Clusters	MEISSNER, Rebecca	
[137] 536 Laser Cooling of Molecular Anions for Sympathetic Cooling of Antiprotons	ZIMMER, Christian	

Poster Session: Biophysics and Medical Physics Poster - Main Hall (12:30 - 14:00)

[id] title	presenter	board
[108] 921 Cell poration of fixed and live cells by phase shaped femtosecond pulses	CAMPARGUE, Gabriel	

[158] 922 Development of Fast Timing Silicon Pixel Sensors for Positron Emission Tomography	Mr HAYAKAWA, Daiki	
[167] 923 From ligand-receptor interactions to antimicrobial drug development: application of a biosensor based on surface waves	ROSTOVA, Ekaterina	
[223] 924 Analysis of degraded energy spectra, and its importance for proton therapy facilities	Ms RIZZOGLIO, Valeria	
[229] 925 Studies on time dependent activity distributions for the SAFIR project	Mr CHATZIMICHAILIDIS, Avraam	
[390] 926 Spontaneous deswelling of pNIPAM microgels at high concentrations	Dr GASSER, Urs	
[284] 927 Multi-color operation of tunable diffractive lenses	Mr BAWART, Martin	

Poster Session: Correlated-Electron Physics in Transition-Metal Oxides Poster - Main Hall (12:30 - 14:00)

[id] title	presenter	board
[162] 631 Charge localization and energetics of Li-ion batteries cathodes from extended Hubbard-corrected functionals	Dr COCOCCIONI, Matteo	
[164] 632 Optical evidence for bad-metal behavior in the doped Mott-insulator Sr2IrO4	Mr BACHAR, Nimrod	
[184] 633 Orbital characters of the band structure in a high-temperature cuprate superconductor	HAUSER, Kevin	
[190] 634 Doping evolution of the multi-band Mott insulator Ca2RuO4	Ms RICCO, Sara	
[226] 636 Tuning magnetic spirals beyond room temperature with chemical disorder	MORIN, Mickael	
[257] 637 Decisive electronic interactions in iron-based superconductors as seen by ARPES	EVTUSHINSKY, Daniil	
[326] 638 Isotope effect in superconducting n-doped SrTiO$_3$	Dr STUCKY, Adrien	
[328] 639 Higgs and Goldstone dynamics in h-RMnO$_3$	Dr STUCKY, Adrien	
[393] 640 Evidence of electron-phonon interaction in single crystal of (Ru3+/Ru4+) mixed-valence Na2.7Ru4O9 and NaRu2O4	Dr YOGI , Arvind	

Poster Session: KOND Poster - Main Hall (12:30 - 14:00)

[id] title	presenter	board
[398] 141 Atomic scale X-Ray Photon Correlation Spectroscopy	Mr LEGENSTEIN, Michael	
[107] 142 Diluted spin-dimer system $Ba_{3-x} Sr_{x} Cr_{2} O_{8}$: single crystal growth and study of the magnetic properties	GAZIZULINA, Alsu	
[278] 144 Computational study of Y NMR shielding in intermetallic Yttrium compounds	Mrs KALANTARI, Leila	
[114] 146 Probing the change of Coulomb energy through a superconducting phase transition	Dr TRAN, M. K.	
[178] 147 Using physics in linguistic research: Language diffusion in Austria and Hungary	PROCHAZKA, Katharina	
[112] 148 Two-dimensional Raman Correlation and THz-Raman Spectroscopic Investigation of the Brill Transition in Nylon 6,6	Prof. MUSSO, Maurizio	
[121] 149 InCIMa: Smart Characterization of Smart Materials	Dr MUSSO, Maurizio	

[122] 150 Characterization of Tannin-Furanic Foams by UV Raman and Infrared Spectroscopy and by X-ray Computed Microtomography	Dr MUSSO, Maurizio	
[146] 151 Raman spectroscopic characterization of PLA 3D printing filaments	Dr MUSSO, Maurizio	

Poster Session: Magnetism and Spintronics Poster - Main Hall (12:30 - 14:00)

[id] title	presenter	board
[381] 832 Superlattice of single atom magnets	RUSPONI, Stefano	
[346] 833 Additive Manufacturing of Polymer Bonded Rare-Earth Magnets for a Predefined External Field	Mr HUBER, Christian	
[127] 834 Anomaly in electric transport behavior across Verwey transition in spintronic Fe3O4 oxide thin films	Prof. BOHRA, Murtaza	
[305] 835 Magnetic properties and morphology of cobalt-cobalt oxide core-shell structured nanoparticles	Mr VIJAYAKUMAR, Jaianth	
[314] 836 Magneto-optical detection of the spin Hall effect in Pt and W thin films	MURER, Christoph	
[356] 837 Spin wave scattering by a magnetic defect in a magnonic crystal detected by Brillouin light scattering microscopy	BAUMGAERTL, Korbinian	
[352] 838 Broadband spin-wave spectroscopy performed on single crystals of the insulating chiral magnet Cu2OSeO3	Ms CHE, Ping	
[355] 839 Spin transport properties of ferromagnetic nanotubes	GIORDANO, Maria Carmen	
[350] 840 Spin wave excitations in ferromagnetic antidot lattices with penrose tilings	Mr WATANABE, Sho	
[151] 841 Skyrmion Confinement in Magnonic Antidot Lattices	Dr SAHA, Susmita	
[93] 842 Photoemission Electron Microscopy Studies of Dynamics in Dipolar-Coupled Arrays of Nanomagnets	ARAVA, Hanu	
[94] 843 Controlled aggregation of magnetic nanocrystals in Fe-doped GaN	NAVARRO-QUEZADA, Andrea	
[142] 844 Magneto-mechanical metamaterial	Mr TESTA, Paolo	
[141] 845 Monte Carlo Renormalization Group study of dipolar coupled XY spins	SCHILDKNECHT, Dominik	
[124] 846 Magnetic correlations in artificial 2D XY spin systems	LEO, Naëmi	

Poster Session: Surfaces, Interfaces and Thin Films Poster - Main Hall (12:30 - 14:00)

[id] title	presenter	board
[116] 181 Investigation of SERS Substrates Fabricated via Injection Molding and Surface-Mediated Nanoparticle Formation	Prof. MUSSO, Maurizio	
[318] 182 Growth of polar molecules on ultrathin hexagonal boron nitride	Prof. TEICHERT, Christian	
[117] 183 DFT Study of Water Adsorption on Ca-Doped (001)-MgO Surfaces	Mr RUH, Thomas	
[384] 184 In-situ observation of electron beam induced nanocrystallization of an ultra thin tungsten foil	Mr NOISTERNIG, Stefan	
[199] 185 The influence of correlation effects on the dilute, two-dimensional electron liquid	KREIL, Dominik	

Poster Session: TASK Poster - Main Hall (12:30 - 14:00)

[id] title	presenter	board
[228] 431 eTCT studies and Thermal Characterisaions towards the ITK Phase II Upgrade	SHARMA, Abhishek	
[296] 432 Lloyd's Mirror with Very-Cold Neutrons	FILTER, Hanno	
[301] 433 Snapshots of a Quantum Bouncing Ball realized with the qBounce gravity spectrometer	THALHAMMER, Martin	
[304] 434 Measurement of the Proton Asymmetry in Neutron Beta Decay	KLOPF, Michael	
[163] 435 Study of Central Exclusive Production with ALICE	Mr MOSTARAC, Deniz	
[267] 436 A CsI detector system at low temperatures for an antimatter gravity measurement	Mr KALISTA, Sebastian	
[306] 437 Offline Track Reconstruction for the Future Circular Collider	KNERINGER, Emmerich	
[313] 438 A Study of Annual Modulation of the Rate of Beta Decays	Mr BROWN, Adam	
[134] 439 Electron identification with deep neural networks in the DAMPE experiment	DROZ, David Francois	
[249] 440 Production and quality assurance of scintillating fibre mats for the LHCb tracker upgrade	PIETRZYK, Guillaume Max	
[169] 441 Muonium formation in superfluid helium	RITJOHO, Narongrit	
[103] 442 PSI nEDM Systematic: Leakage Currents	Mr MOHAN MURTHY, Prajwal	
[238] 443 Machine Learning in the Analysis of Low-mass Dielectrons in ALICE	LEHNER, Sebastian	
[182] 444 Machine Learning for the ALICE Upgrade: Performance Enhancement of Dilepton Analyses	TEMPL, Sebastian	
[256] 445 The Mu3e Fiber Detector Readout	CORRODI, Simon	
[260] 446 Measuring the Carbon Flux in Primary Cosmic Rays with the Alpha Magnetic Spectrometer	Mr CHEN, Yao	
[400] 447 Measurement of beta-beating due to strong head-on beam-beam interaction	GONCALVES JORGE, Patrik	
[195] 448 Estimation of neutrino oscillation parameters in the T2K experiment	HAEGEL, Leila	
[295] 449 Performance Evaluation of Novel Silicon Photomultipliers and their Application in Xenon-based Dark Matter TPCs	Mr WULF, Julien	
[259] 450 SST-1M project for the Cherenkov Telescope Array, a high energy gamma-ray telescope	Mr NJOH EKOUME, Theodore Rodrigue Stephane	
[201] 451 Transient Current Technique measurements of a HV-CMOS demonstrator chip	ZAFFARONI, Ettore	
[327] 452 Landau damping and coherent stability in colliders	TAMBASCO, Claudia	
[233] 453 A compact scitillating fibre detector addon for ASACUSAs hodoscope	FLECK, Markus	
[262] 454 The SHiP Timing Detector with SiPM Readout	BETANCOURT, Christopher	
[243] 455 Point source studies in IceCube	CARVER, Tessa Lauren	

Thursday, 24 August 2017

Poster Session: Poster Session (continued) and Apéro - Main Hall (18:30 - 20:00)