General Scientific Meeting 2016 of the Belgian Physical Society

Wednesday, May 18, 2016

Poster Session (2:45 PM - 11:00 PM)

[id] title	presenter	board
[83] Impedimetric and thermal detection of the peanut allergen Ara h1	Mr STILMAN, Wouter	
[103] Search for a heavy scalar boson decaying into a pair of Z bosons in the 2l2v final state	Mr DELANNOY, Hugo	
[105] Shaping Time Impact on 500 mm3 CdZnTe Detector Spectra Quality	Mr MELESHENKOVSKII, Iaroslav	
[61] Aharonov-Bohm oscillations of bosonic matter-wave beams in the presence of disorder and interaction	Mr CHRÉTIEN, Renaud	
[84] LiGa5O8:Cr3+ as NIR Persistent Phosphor for In Vivo Imaging	Mr DE CLERCQ, Olivier Q	
[64] Chaotic Bohmian trajectories for stationary states	MARTIN, John	
[69] Design of an ICRF system for plasma-wall interactions and RF plasma production studies on TOMAS	Dr WAUTERS, Tom	
[90] Modelling of plasma screening effects in relativistic multiconfiguration Dirac-Fock calculations. Application to the atomic structure and inner-shell transitions of some iron ions	Mr DEPRINCE, Jérôme Dr QUINET, Pascal	
[128] Thin, low roughness Ru films deposited by thermal and plasma enhanced atomic layer deposition using RuO4 and H2 at low temperatures	Mr MINJAUW, Matthias	
[92] Mutual Neutralization Studies at Subthermal Collision Energies	Mr DOCHAIN, Arnaud	
[95] Out-of-plane optical anisotropy in organic layers	GUYOT, Corentin	
[129] Towards a catheter based sensor for the electronic detection of histamine in the intestinal tract	WACKERS, Gideon	
[96] Particle-in-cell Monte Carlo collision simulations of ICRF discharge initiation in tokamaks and stellerators	Mr TRIPSKY, Matej	
[99] Preliminary Design of an ICRF Traveling-wave Comb-line Antenna for Fusion Devices	RAGONA, Riccardo	
[62] Anticoherence of spin states in the Majorana representation	Mr BAGUETTE, Dorian	
[97] Phase 2 Upgrade of the CMS Muon System with triple-GEM detectors	Ms SALVA, Sinem	
[134] Vector Boson Scattering prospects for High-Luminosity LHC at CMS in the WZ final state	POYRAZ, Deniz	
[58] AFM characterization of micro-contact printed self-assembled monolayers of alkanethiols	Mrs NEUPANE, ShovaHasselt University	
[98] Plasma enhanced Atomic Layer Deposition of zinc sulfide	Mr KUHS, Jakob	
[100] Quantum Chromodynamics at Modern High-Energy Facilities	CHEREDNIKOV, Igor	
[86] Measurement of the top quark pair production cross section using dilepton events at 5 TeV	Mr KRINTIRAS, Georgios Konstantinos	
[101] Robust analysis of trends in noisy data	VERDOOLAEGE, Geert	
[85] Lithiation Mechanism Study of Si/Ti4Ni4Si7 (STN) alloy	ZHENG, Yueming	

[102] Search for SUSY with multileptons in proton proton collisions in $\sqrt{s}$ = 13 TeV data using CMS detector	Mr KHVASTUNOV, Illia	
[59] Accelerated Aging Testing of Phosphors in Remote wLED Configuration	Mr VERSTRAETE, Reinert	
[109] Size-dependent penetration of gold nanoparticles through a defect-free NaCl membrane	Dr LI, Zhe	
[55] 3D DESIGN AND PERFORMANCE ANALYSIS OF NANO-SIZED SQUID-ON-TIP	Mr HASNAT RUBEL, Abul	
[56] A New Measurement for the Electron Impact Ionization of He(1s2sˆ3S)	Mr GÉNÉVRIEZ, Matthieu	
[66] Composition dependent self-organization in Au-Ag core shell nanostructures	Mr LIAO, Ting-Wei	
[57] A new tool for modelling ion cyclotron resonance heating wave propagation and damping in non-axisymmetrical magnetic confinement fusion machines	Dr VAN EESTER, Dirk	
[121] The High-Throughput approach to Computational Materials Design	Mr SLUYDTS, Michael	
[87] Merged-Beam Study of Mutual Neutralization of $Li^+ + D^-$	LAUNOY, Thibaut	
[104] Search for dark matter with jets and missing transverse energy at 13 TeV at CMS	COLLABORATION, CMS DE BRUYN, Isabelle	
[112] Structural assignment of small silver clusters	Mr VAN DER TOL, Johan Mrs JIA, dewei	
[123] The oblique Hanle effect in graphene: A novel approach to determine spin lifetime anisotropy	Mr SCHEERDER, Jeroen	
[60] Advanced structural and elemental characterization of energy materials and solid-electrolyte interfaces: From fundamental corrosion reactions to Li-ion batteries	Mr MOEREMANS, Boaz	
[63] Breathing effect in V-doped Metal Organic Framework MIL-53(Al) studied by Electron Paramagnetic Resonance (EPR)	Ms NEVJESTIC, Irena	
[71] Drift waves in the solar corona	OZAK, Nataly	
[88] Modeling exchange bias with MuMax3	Prof. VAN WAEYENBERGE, Bartel Mr DE CLERCQ, Jonas	
[106] Signatures of Unsteady Asymmetric Magnetic Reconnection at the Magnetopause	Mr CAZZOLA, Emanuele	
[65] Characterization of iron oxide nanoparticles by magnetometry: temperature deviation from Langevin law	Mr HENRARD, Daniel	
[67] Computational Multi-Fluid Model for Partially Ionized and Magnetized Plasma	Mr ALVAREZ LAGUNA, Alejandro	
[68] Coordinate-based manipulation of guided waves with metamaterial waveguides	Ms VIAENE, Sophie	
[70] Development of a hydrogen maser in the TE111 mode	Ms VAN DER BEKEN, Emeline	
[107] Signatures of the phase transition in a topological superconductor coupled to a bath	Mr CLAEYS, Pieter	
[72] Exploring Models of Solar Dark Matter with PINGU Events	Prof. PÉREZ DE LOS HEROS, Carlos RAAB, Christoph	

[73] Fabrication and characterization of a single cluster transistor	Prof. SILHANEK, Alajandro Prof. VAN DE VONDEL, JORIS Dr PICOT, Thomas Prof. MOSHCHALKOV, Victor Mr ZHARINOV, Vyacheslav Mr BAUMANS, Xavier	
[89] Modeling neutrino-nucleus scatterings: From very low energies to the quasielastic peak	Dr PANDEY, Vishvas	
[75] Frequency combs via plasmonic resonances in time-dependent graphene lattices	Mr ALTARES MENENDEZ, Galaad	
[108] Simulating dust scattering polarization in spiral galaxies	Mr PEEST, P. Christian	
[74] Far-infrared and dust properties of present-day galaxies in the EAGLE simulations	Mr CAMPS, Peter	
[76] From BEC polaron to BCS polaron	LOMBARDI, Giovanni	
[81] Identification of b-jets at CMS	Mr DEROOVER, Kevin	
[91] Monte Carlo Simulations of Atomic Layer Deposition on 3D large surface area structures	DETAVERNIER, Christophe GEENEN, Filip Dr DENDOOVEN, Jolien CREMERS, Véronique	
[114] Study of the surface stability of the topological insulator Bi2Te3 in different environments using scanning probe microscopy.	Ms NETSOU, Asteriona-Maria	
[118] The CMS Resistive Plate Chamber setup at the CERN Gamma Irradiation Facility	Mr GUL, Muhammad Mr ZAGANIDIS, Nicolas	
[78] High-resolution, 3D radiative transfer modeling of nearby DustPedia galaxies	Mr VERSTOCKEN, Sam	
[93] Nuclear magnetic relaxation induced by gel-suspended cells labelled by iron-oxide nanoparticles: experimental and simulation studies	VUONG, Quoc Lam	
[79] ICRH on the stellarator Wendelstein 7-X: Challenges in the Construction of the system, Physics and Applications	MESSIAEN, André VAN EESTER, Dirk LOUCHE, Fabrice ONGENA, Jozef Mr VERVIER, Michel Dr KAZAKOV, Yevgen	
[110] SoLid technology and SM1 prototype	Ms MOORGAT, Celine	
[82] Identification of c-quark jets at the CMS experiment	Mr MOORTGAT, Seth	
[124] The phase-2 upgrade of the CMS Resistive Plate Chamber system	Mr FAGOT, Alexis	
[80] IShTAR: An international facility for studying the interactions between ICRF waves and plasma	Dr CROMBE, Kristel	
[94] On the existence of a double S-shaped process curve during reactive magnetron sputtering	Mr SCHELFHOUT, Roeland	
[111] Space dosimetry with luminescent detectors	Mr PARISI, Alessio	
[113] Structure identification of Transition Metal Doped Silicon Clusters	Mr LI, Yejun	
[115] Super- and subradiance from indistinguishable atoms with quantized motion	DAMANET, François	
[116] Systematics in the luminescence of ns^2 ions	Mr VAN DER HEGGEN, David Mr JOOS, Jonas J.	
[117] Taking Phosphor Investigation to the Next Level with SEM-CL/EDX	MARTIN, Lisa	
[119] The ESA Virtual Space Weather Modelling Centre – Part 2	POEDTS, Stefaan	

[120] The Giant VCMA effect for novel MRAM applications	Mr VERMEULEN, Bart Dr MARTENS, Koen	
[125] The semi-digital hadronic calorimeter (SDHCAL) for future leptonic colliders	Mr PINGAULT, Antoine	
[137] characterization of iron oxide particles with MR relaxometry: good and bad news	GOSSUIN, Yves	
[122] The One-Photon Detachment of O^-: theory and experiment	GÉNÉVRIEZ, Matthieu URBAIN, Xavier	
[126] The target material dependence of HiPIMS discharges	Mr MOENS, Filip	
[127] The variation of the dust attenuation curve in the nearby Universe	Mrs DECLEIR, Marjorie	
[130] Turbulence analysis in the reconnection exhaust of 3D PIC numerical simulation of magnetic reconnection	Dr PUCCI, Francesco	
[131] Upgrade of the CMS muon system with triple-GEM detectors	Mr LENZI, Thomas	
[132] Validation of the response function of the WENDI-2 detector with high-energy quasi-monoenergetic neutron beams for proton therapy centers	Mr NDAYIZEYE, David Mr DE LENTDECKER, Gilles	
[133] Vanadium dioxide thin films prepared on silicon by low temperature MBE growth and ex-situ annealing	MENGHINI, Mariela SOUSA, Maryline Dr SANCHIS, Pablo HOMM, Pia	
[135] Vortices in a rotating Fermi gas within the finite temperature effective field theory	KLIMIN, Serghei	
[136] YAGG:Cr^{3+} luminescence : influence of synthesis on luminescent properties	Mr BOUMAN, Jesse Ms TIBERI, Marta Mr DE CLERCQ, Olivier Q	