SAIP2014

Tuesday 08 July 2014

Poster1 - D Ring ground level (17:10-19:00)

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[51] Synthesis of ZnO Nanostructures via zinc air cell system	Mr MALEVU, Thembinkosi Donald	A.51
[61] Iron coated ZnO nanorods catalysed growth of carbon nanostructures	Mr SEFAGE, Amanda	A.61
[89] Computational modelling of temperature dependence of Ti ₅₀ Pt ₅₀ shape memory alloys	Mr MASHAMAITE, Mordecai	A.89
[113] Computational studies of olivine NaMPO ₄ (M: Mn, Fe, Co)	Mr LETHOLE, Ndanduleni Lesley	A.113
[121] Magnetic susceptibility studies of the (Cr _{98.4} Al _{1.6}) _{100-<i>x</i>} Mo _{<i>x</i>} alloy system	Mr MUCHONO, Blessed	A.121
[139] The effect of silver (Ag) dopant on the structural properties of cadmium oxide (CdO) nanoparticles	Mr MASWANGANYE, Mpho	A.139
[167] Hydrogen storage in ZnO-CNF hybrid nanostructures	Mr THETHWAYO, Charles	A.167
[203] Computational modelling studies of Ti ₅₀ -Pt _{50-x} -Nb _x alloys	Mr MALEBATI, Magoja Martinus	A.203
[221] Studies of structural properties of Al and Y co-doped tin oxide	Prof. RAMMUTLA, Koena erasmus	A.221
[233] Improvement of luminescence properties by post annealing ZnO nanopowders prepared by chemical bath method	Mr MOLEFE, Fokotsa Victor	r A.233
[241] Surface Brillouin scattering studies on annealed ion-modified CVD diamond	Mr MOTOCHI, Isaac	A.241
[267] Thermal-transport and electronic structure properties of CePdIn ₂	Dr CARLESCHI, Emanuela	A.267
[293] Electrical properties of Cr _{100-<i>x</i>} Co _{<i>x</i>} alloy thin films on oriented MgO (100)	Dr KADAM, M	A.293
[303] The use of diffusion barriers to control first phase formation in solid state reactions	Mrs ABRASS, Hameda	A.303
[307] Superconductivity in LaRh2Sn2	Mr BRITZ, Douglas	A.307
[337] Combustion synthesis of Dy3+–doped YVO4 phosphor	Ms FOKA, Emily	A.337
[399] Synthesis and characterization of CdO-Carbon nanostructures hybrid for LPG sensing	Mr SEFAGE, Amanda	A.399
[401] Optical, ESR and surface state XPS investigation in 0D ZnO nanostructures doped with rare earth ions	Mr KABONGO, Guy Leba	A.401
[411] Effect of diamond grain size on magnetic properties of cobalt phase in PCD	Mr NGWEKHULU, Tsholofelo Themba	A.411
[435] Characterisation of Aluminium/Yttrium Double-doped Tin Oxide Nanoparticles using XRD Patterns.	Mr DANGAISO, Tichawona	A.435

[439] A DLTS investigation of the annealing behaviour of the E-centre in alpha-particle irradiated Ge.	Mr NGOEPE, Phuti	A.439
[445] X-Ray characterization of Fe and Cu doped CdO nanoparticles by ball mill method	Mr MAKGOBELA, Rasitilo	A.445
[447] Computational Phase Stability Study of Pt Alloys and Nanoparticles	Dr TIBANE, Malebo	A.447
[14] Search of anomalous Higgs to invisible decays with the ATLAS detector at CERN's Large Hadron Collider.	CARRILLO-MONTOYA, German David	B.14
[15] Latest measurements of Higgs boson properties with the ATLAS detector.	CARRILLO-MONTOYA, German David	B.15
[49] Octupole correlations in the rare earth N = 88 isotones	Ms BVUMBI, Suzan Phumudzo	B.49
[83] Firmware development for the upgrade of the Tile Calorimeter of the ATLAS detector	Mr KUREBA, Chamunorwa Oscar	B.83
[87] Radiation hardness of plastic scintillators for the Tile Calorimeter of the ATLAS detector	Ms JIVAN, Harshna	B.87
[111] An ATCA framework for the ATLAS TileCAL Front to Back End Electronics for the Phase II Upgrade at the LHC	Mr REED, Robert	B.111
[123] Exploring the tensor structure of the Higgs Boson couplings	Mr VON BUDDENBROCK, Stefan	B.123
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[355] Non-linear power amplifiers for atomic physics applications	Mr BURD, Shaun	C.355
[365] Commensurate charge density wave formation in a novel organic molecular conductor (DCNQI) and tantalum diselenide (4Hb-TaSe2) crystals	Mr OLAOYE, Olufemi Opeyemi	C.365
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[220] Modelling Inhomogeneities in the EBL	Mr KUDODA, Ayman	D1.22

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[353] Composition analysis of Uranus and Neptune using visible-light New Horizons data	Ms KOLBE, Isobel	D1.353
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[345] Flexible Spectrum and the effects of Crosstalk on a 20 Gb/s Signal over a 12 km Optical Fibre	Mr BOIYO, Duncan	F.345
[359] Analysis of a Thermal Conductivity Measurement Technique Formulated as a Nonlinear Inverse Heat Conduction Problem	Mr RAMNATH, Vishal	F.359
[407] Microwave synthesis of graphene nickel aluminum layered double hydroxide (LDH)	Ms TAGHIZADEH, Fatemeh	F.407
[409] A review on Effect of Ion Implantation on Hexagonal Boron Nitride	Prof. DERRY, Trevor	F.409
[437] Adaptation of roof ventilators as micro-power generation units in homes	Mr MANYEREDZI, Terrence	F.437
[65] A new foundation for the quantization of field theory:why it is necessary and why it matters	Dr GREBEN, Jan	G.65
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[79] Properties of the Quark-Gluon Plasma Observed at RHIC and LHC	Dr HOROWITZ, William	G.79
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