

SAIP2013

Wednesday 10 July 2013

Poster2 (17:40-18:40)

[id] title	presenter	board
[270] Spectral shaping and subcell modeling of the current density of a HCPV device as a function of operational conditions.	Mr SCHULTZ, Ross	
[271] Preliminary results of a Monte Carlo study of neutron beam production at iThemba LABS	Mr IMMANUEL, Mulaudzi	
[275] LED Board for the mobile test bench	Mr MASIKE, Titus	
[526] The properties and suitability of various biomass/coal blends for co-gasification in a downdraft biomass gasifier	Ms GAQA, Sibongiseni	
[521] Shining Light through walls using dark matter - Axion-photon mixing in astrophysics	Prof. COLAFRANCESCO, Sergio	
[522] Astereoseismology of Beta Cepheid Stars using multicolor photometry: Mode Identification.	Mr KEELEY, LLOYD	
[449] Induced Stress studies of RF Magnetron Sputtered FeCr thin films by surface Brillouin scattering and GIXRD	Dr WAMWANGI, Daniel	
[190] Black-Hole Pulsar Binaries: Timing and Fluxes.	Mr TUCKER, Bevan	
[192] TIMED/SABER Observations of mesospheric inversion layers over Southern Africa	Dr MBATHA, Nkanyiso	
[0] Inversion of Geomagnetic Fields to Derive Ionospheric Currents that Drive Geomagnetically Induced Currents.	Dr DE VILLIERS, Jean	
[299] Probing the Cosmological Model With Meerkat and the SKA	Mr MATSHAWULE, Siyambonga	
[295] Challenges in the simulations of the iThemba LABS segmented clover detector	Dr BUCHER, T.D.	
[199] Measuring the performance of the iThemba LABS Segmented Clover Detector	Dr SHIRINDA, O.	
[196] AFM and SEM studies Zr thin films on SiC	Mr NJOROGI, Eric	
[103] The importance of damage tests	Ms SINGH, Ann	
[101] Hybrid Two-way QKD in Free Space	Ms PILLAY, Sharmini	
[39] Evidence for SuperDARN polar mesosphere summer echoes (PMSE) at SANAE IV, Antarctica: first observation	Dr MBATHA, Nkanyiso	
[38] Ionospheric response during geomagnetic storm events in 2004	Mrs MATAMBA, Tshimangadzo Merline	
[31] Experimental Characteristics of small oil Thermal Energy Storage (TES) tank for domestic applications	Ms PHORI, Abigail	
[34] Investigating Dunedin Whistlers using Volcanic Lightning	Dr COLLIER, Andrew	
[435] Outdoor performance parameters, temperature effect and irradiance measurements in Photovoltaic home system	Ms NJINGANA, Primrose Nosiselo	

[550] Life time measurements in the transitional nucleus 150Sm	Ms BVUMBI, Suzan Phumudzo	
[146] Higgs to Four Lepton	Mr REED, Robert	
[147] A 40 Gbps Wavelength Division Multiplexing (WDM) Optical Network for Data Transmission for MeerKAT	Mr KOUROUMA, Hamed	
[145] High Voltage Board for the Mobile Test Bench for the ATLAS Detector	Mr REED, Robert	
[142] Pulse Delay Chromatic Dispersion Measurements in Single Mode Fibre	Mr WASSIN, Shukree	
[141] Thermodynamic Characteristics of a Large Scale Downdraft Gasifier in a Scalar Energy Field	Mr ERO, Felix	
[136] Investigating the impact of equivalence ratio and temperature of input air on the conversion efficiency of a downdraft biomass gasifier.	Ms NWOKOLO, Nwabunwanne	
[139] Studies of the amplitude ratios in the atmosphere of the sun	Mr ABEDIGAMBA OYIRWOTH, Patrick	
[27] Simulation of Electron Dynamics in the Earth's Magnetosphere	Mrs NEMAIR, Mahassin. A. A	
[20] Study of octupole vibrations in nearly spherical nuclei.	Ms KHUMALO, Nontobeko	
[22] Methods for measuring and Modeling geomagnetically induced currents (GICs) on power lines	Mrs MATANDIROTYA, Electdom	
[29] Simulations of oblique electrostatic wave propagation	Mr KOEN, Etienne	
[181] Assessment of wind energy potential in the Amatole District in the Eastern Cape Province of South Africa	Mr MASUKUME, Peace-Maker	
[84] Open-source electronics for quantum key distribution	Mr MARIOLA, Marco	
[243] Orbital simulations for a satellite with a corona ionization thruster	Dr FERRER, phil	
[518] CFD simulation of the CSL	Mr MAHLASE, Conrad	
[459] Modelling Stellar Convection	Mr JOHNSON, Matthew	
[178] Digital signal processing algorithm for signal analysis and performance monitoring in an optical communication link	Mr CHABATA, Tichakunda Valentine	
[177] Investigation of W^{+-} bosons production with different Parton Distribution Functions in proton-proton collisions	Mr SENOSI, KGOTLAESELE JOHNSON	
[173] Multicolour Photometric Study Of Pulsation on Pre-Main Sequence Star V351 Ori (HD 38238)	Mr FELEKE AYANE, Getinet	
[183] Radiometric Survey at A Heavy Mineral Mining Company On The West Coast Of South Africa	Mr SEHONE, Alfred Mogotsi	
[185] Radiometric Characterisation Of Bricks For Use In A Planned Calibration Facility For In-Situ Gamma-Ray Detectors	Mr SEHONE, Alfred Mogotsi	
[11] Analytical evaluation of energy losses of an air source heat pump water heater	Mr TANGWE, Stephen	
[201] The robustness of magnetic flux tubes surrounded by magnetoconvection	Dr BOTHA, G.J.J.	
[204] Comparison of two Software Packages for High Resolution Gamma Spectrometry Used for Neutron Activation Analysis of Biomonitorers	Ms NDLOVU, Ntombizikhona Beaulah	
[207] Quark Gluon Plasma (QGP)	Mr GUMBO, Mervyn Ms SIBALISO, Mhlanga	
[206] Modelling the atmosphere of A-Stars using the ATLAS9 program with OPAL EOS.	Mr LEKWENE, Papi	

[70] Systematic Properties of the Tsallis Distribution: Energy Dependence of Parameters in High-Energy p-p Collisions	Prof. CLEYMANS, Jean	
[542] AC/DC performance of a fully printed current switching silicon based transistor	Mr ZAMBOU, Serges	
[540] The discovery of a Higgs boson at the LHC and future prospects	Prof. MELLADO, Bruce	
[546] Redesign of the High Voltage Controller Card in Mobidick4	Mr ASARE, JOSEPH	
[549] Synthesis and characterisation of carbon nanostructures, for hydrogen storage and gas sensing application.	Mr THETHWAYO, Charles Thulani	
[126] Performance monitoring of a Field-Batch Biogas Digester fed with agricultural wastes at different mixing ratios	Mr MUKUMBA, Patrick	
[318] Validation of the calculated efficiency parameters for the gamma-ray detector using ¹⁵²Eu standard sources	Mr MAIBANE, Kutullo	
[3] Angular distribution of the Isovector giant dipole resonance (IVGDR) in neutron-rich calcium isotopes with proton inelastic scattering reaction at 200 MeV	Mr LATIF, Mouftahou	
[577] Anomalous Higgs Couplings	Mr AMAR, Gilad	
[68] A comparative analysis of first year physics student expectations at the University of the Western Cape and Military Academy	Dr JACOBS, Mkhululi	
[502] Evaluation of the NeQuick model in Southern mid-latitudes using South African co-located GPS and Ionosonde stations data	Mr AHOUA, Sylvain Malan	
[461] Tsallis entropy and quantum uncertainty in information measurement	Mr MAFU, Mhlambululi	
[161] A multiple instrument investigation of the nature of geomagnetic pulsations	Mr MTUMELA, Zolile	
[281] Preliminary results of a Monte Carlo study to determine neutron fluence using activation	Mr MAKHUBELA, Mathews	
[280] A Search for Pulsations in the Infrared region of Herbig Ae star V589 Mon	Mr NTAMEHLO, Luvo	
[285] Recent Results on Spatially Resolved Molecular Gas Star Formation Law from CARMA Survey Towards Infrared-bright Nearby Galaxies (STING)	Dr RAHMAN, Nurur	
[59] New crystal structure of MSHB from Mycobacterium tuberculosis shows insight into the catalytic mechanism	Mr BROADLEY, Simon	
[536] A study of the relationship between the activity concentrations of naturally occurring uranium and radium in various locations in the South Africa.	Dr BEZUIDENHOUT, Jacques	
[535] Measuring low concentrations of naturally occurring uranium by analysing the gamma ray decays of ²³⁴Pa.	Dr BEZUIDENHOUT, Jacques	
[252] Temporal variation of line radiation from the GTS-ECRIS at iThemba labs	Mr SAKILDIEN, Muneer	
[309] New iThemba-LABS and Wits University Ion Implantation Facility	Prof. DERRY, Trevor	
[562] Analysis of similarities and differences between a circular current's and a simple electric dipole's Cartesian torques	Dr CHIRWA, Max	
[563] The development of a converter target for the production of radioactive beams at iThemba LABS	Mr NGCOBO, Zipho	
[565] Analysis of the Tsallis distribution and it's applicability to high energy physics	WHITEHEAD, Andile	
[228] A solar-thermal cooker using high-pressure steam for heat transfer	Dr MATTHEWS, Alan	
[227] A solar-thermal cooker using oil for heat transfer	Dr MATTHEWS, Alan	
[222] ¹⁹⁴Tl as the first example revealing chiral symmetry breaking in the pair of four-quasiparticle bands	Dr MASITENG, Paulus	

[159] The Quark Gluon plasma	GUMBO, mervyn Ms MHLANGA, sibaliso	
[158] Aerosol measurements at the National Laser Centre, Pretoria and at the University of KwaZulu Natal, Durban using the CSIR mobile LIDAR system	Mr SHIKWAMBANA, Lerato	
[485] SDSS J12002-0204: Unusual I Zw 1 object or a nearby BAL Seyfert?	Prof. WINKLER, Hartmut Dr RAHMAN, Nurur	
[471] Kinetic analysis of the various biomass / coal blends for co-gasification purpose	Mr MABIZELA, Polycarp	