

SAIP2013

Tuesday 09 July 2013

NPRP: Bound to be Clustered in atomic nuclei (10:30-12:10)

-Conveners: LP Masiteng

time	[id] title	presenter
10:30	[224] Characterization of the 2+ excitation of Hoyle state in ^{12}C	Mr NEMULODI, fhumulani
10:50	[7] Aspects of the structure of heavy carbon isotopes	Prof. KARATAGLIDIS, Steven
11:10	[231] Search for the 5 alpha cluster state in ^{20}Ne	Mr SWARTZ, Jacobus
11:30	[69] Cluster Model Analysis of Th isotopes	Mr DU TOIT, Erasmus
11:50	[80] Status of the study of multi-body decays of heavy nuclei using the modified Light Ions Spectrometer.	Mr MALAZA, Vusi

NPRP: Insights into Nuclear Structure & Reactions from AFRODITE (14:10-15:10)

-Conveners: Elizabeth Castaneda

time	[id] title	presenter
14:10	[98] Investigation of the radiative strength function in ^{74}Ge	Dr NEGI, DINESH
14:30	[67] Reaction mechanisms studied using the iThemba LABS recoil detector	Dr NTSHANGASE, Sifiso
14:50	[265] Search for chirality in ^{193}Tl	Mr NDAYISHIMYE, Joram

NPRP: Tracking progress with a TIGRESS detector (15:40-16:40)

-Conveners: Zipho Ngcobo

time	[id] title	presenter
15:40	[292] Developing gamma-ray tracking with a segmented Ge detector	Dr LAWRIE, Elena
16:00	[176] Simulating the position sensitivity of the iThemba LABS segmented clover detector	Mr NONCOLELA, Sive
16:20	[300] Depletion voltage measurements of the iThemba LABS segmented clover detector.	Mr EASTON, Jayson

Wednesday 10 July 2013

NPRP: Quirks of Quarkonia but nothing tops ZZ decay channels (09:00-10:00)

-Conveners: Bruce Mellado

time	[id] title	presenter
09:00	[529] Phenomenological interpolation of quarkonia cross sections	Dr BOSSU, Francesco
09:20	[155] Research progress in the $H \rightarrow Z\bar{\chi}\chi \rightarrow \tau^+\tau^- l^+l^-$ decay channel	Mr HAMITY, Guillermo
09:40	[172] Leptons from J/ψ and heavy-flavour hadron decays in pp and Pb-Pb collisions studied with ALICE at the LHC	Dr FÖRTSCH, Siegfried

NPRP: Holding up the world with ATLAS (10:30-11:50)

-Conveners: Simon Connell

time	[id] title	presenter
10:30	[195] Identifying Exclusive Proton-Proton Interactions in the ATLAS Experiment	Mr SCHENCK, Ferdinand
10:50	[512] Using the Higgs as a portal to the "hidden sector"	Dr CASTANEDA, Elizabeth
11:10	[134] Search of invisible anomalous Higgs boson decays with the ATLAS detector at the LHC	MOLEFI, Itumeleng
11:30	[234] Applications of JIMLWK Evolution to Exclusive J/ψ Production in the ATLAS Detector	Ms RAMNATH, Andrecia

NPRP: Giants amongst Resonances : the Ultimate Collectiivity (13:50-15:10)

-Conveners: Steven Karataglidis

time	[id] title	presenter
13:50	[255] A survey of the fine structure phenomenon of the Isovector Giant Dipole Resonance in nuclei across the periodic table at a forward scattering angle	Prof. CARTER, J.
14:10	[251] Fine structure of the Isoscalar Giant Quadrupole Resonance using proton inelastic scattering at 200 MeV in spherical to highly deformed neodymium isotopes	Dr USMAN, I. T.
14:50	[230] Quasi-free nucleon knockout contribution in $^{40}\text{Ca}(p,p')$ inclusive scattering at 200 MeV	Dr USMAN, Iyabo

NPRP: Banking on Monte Carlo methods (15:40-16:40)

-Conveners: Iyabo Usman

time	[id] title	presenter
15:40	[46] Cytogenetic analysis of Co-60 γ -radiation-induced chromosome damage and simulations using the Geant4 Monte Carlo toolkit	Mr FOURIE, Hein
16:00	[257] Monte Carlo simulation of Neutron Transport in Nuclear Reactors	Ms MUDAU, Rotondwa
16:20	[232] Validation of a passive beam Monte Carlo model for measuring prompt gamma rays during proton radiotherapy	Mr JEYASUGITHTHAN, Jeyasingam

Friday 12 July 2013

NPRP: Applied Radio-activity : Neutron-Activated and Natural (09:00-10:00)

-Conveners: Vusi Malaza

time	[id] title	presenter
09:00	[203] Emissions of Trace Elements from Motor Vehicles Monitored by Active Biomonitoring: a tunnel study in the Western Cape, South Africa using ICP-MS and neutron activation	Ms NDLOVU, Ntombizikhona Beulah
09:20	[520] Determination of U-235 in the context of interference with Ra-226 for the study of the disequilibrium in the U-238 decay series	Mr KHUMALO, Thokozani
09:40	[503] To study the mobility of the naturally radioactive materials (NORMs) in the sediments as a function of changing environmental conditions	Mr SHONGWE, Nkosinathi Sipho

NPRP: Fast Neutron fluence and damage (10:30-11:50)

-Conveners: Simon Connell

time	[id] title	presenter
10:30	[256] Comparison of neutron fluence spectra measured with NE213 proton recoil spectrometer and NE230 deuteron recoil spectrometer	Mr MASONDO, vusumuzi
10:50	[157] Study of fast neutron irradiation induced damage on Graphite and Zircaloy-4	Mr MAHAFA, Tshepo
11:10	[594] DIVISION MEETING	Prof. CONNELL, Simon