

SAIP2014

Tuesday 08 July 2014

NPRP: Anti-neutrinos and RIBs - D Les 101 (10:00-10:40)

-Conveners: Rob Bark

time	[id] title	presenter
10:00	[360] The development of a neutron converter for the production of radioactive ion beams at iThemba LABS	Mr NGCOBO, Zipho
10:20	[348] Looking for an influence of antineutrinos on a beta plus source- long term measurements at Koeberg power station.	Dr SMIT, Frederick David

NPRP: Octupoles and VHE Spectroscopy - D Les 101 (11:10-12:10)

-Conveners: Simon Mullins

time	[id] title	presenter
11:10	[215] Octupole Excitations in U isotopes	Dr NTSHANGASE, Sifiso Senzo
11:30	[179] Octupole correlations and Collective Couplings in the rare earth nucleus ^{154}Dy	Mr ZIMBA, George
11:50	[252] SHELS - Separator for Heavy Element Spectroscopy. First results.	Mr POPOV, Yury

NPRP: ATLAS 1 - D Les 101 (14:00-15:40)

-Conveners: Simon Connell

time	[id] title	presenter
14:00	[108] The development of a general purpose Processing Unit for the upgraded electronics of the ATLAS detector Tile Calorimeter	Mr COX, Mitchell
14:20	[213] First look at Data Acquisition system for a fixed target experiment at the NICA complex at JINR and its connection to the ATLAS TileCal readout electronics	Mr TOMIWA, Kehinde
15:00	[153] Single top channel analysis in association with higgs production at ATLAS: a feasibility study	Ms ANTEL, Claire
15:20	[13] Constraining Beyond the Standard Model physics with the newly discovered Higgs boson with the ATLAS detector.	CARRILLO-MONTOYA, German David

Wednesday 09 July 2014

NPRP - D Les 101 (10:00-10:40)

-Conveners: Ricky Smit

time	[id] title	presenter
10:00	[324] Radiometric Survey at A Heavy Mineral Separation plant near Koekenaap	Mr SEHONE, Alfred Mogotsi
10:20	[453] Analytical technique to measure radon generation from Gauteng river water samples using solid state detector	Mr MASEVHE, Livhuwani

NPRP: TIGRESS-type Detector Developments - D Les 101 (11:10-12:10)

-Conveners: Steven Karataglidis

time	[id] title	presenter
11:10	[330] Efficiency and dead time measurements of the iThemba LABS segmented clover detector	Mr EASTON, Jayson Lee
11:30	[301] Experimentally measured pulse shape signals of the iThemba LABS segmented clover detector.	Dr BUCHER, Thifhelimbilu Daphney
11:50	[387] Pulse Shape Analysis: Simulations with ADL and MGS codes	Mr NONCOLELA, Sive

NPRP: Giant Resonances and Strength Functions - D Les 101 (14:00-15:40)

-Conveners: Suzan Bvumbi

time	[id] title	presenter
14:00	[277] Study of the Isovector Giant Dipole Resonance across the neodymium and samarium isotope chains from spherical to deformed nuclei using (p,p') scattering at 200 MeV	Ms DONALDSON, Lindsay
14:20	[289] Nuclear deformation effects on fine structure of the Isoscalar Giant Quadrupole Resonance and 2^{+} level densities from (p,p') scattering at 200 MeV	Mr KUREBA, Chamunorwa Oscar
14:40	[287] Fine structure of the Isovector Giant Dipole Resonance from light to heavy-mass nuclei and 1^{-} level densities using (p,p') scattering at zero degrees	Mr JINGO, Maxwell
15:00	[443] Investigation of the Isovector Giant Dipole Resonance (IVGDR) strength in the selected neutron-rich calcium isotopes 42, 44, 48Ca	Mr LATIF, Mouftahou
15:20	[101] Impact of the γ -Ray Strength Functions on the ^{138}La and ^{139}La Galactic Production	Mr KHESWA, Bonginkosi

Thursday 10 July 2014

NPRP: Monte Carlo for Medical Applications - D Les 101 (10:00-10:40)

-Conveners: Thifwe Bucher

time	[id] title	presenter
10:00	[81] Auger electron studies using Monte Carlo simulations of I-123 incorporated into human lymphocytes	Mr FOURIE, Hein
10:20	[347] Monte Carlo simulation of secondary gamma production during proton therapy for dose verification purposes – Part I	Dr PETERSON, Stephen

NPRP: Nuclear Structure - D Les 101 (11:10-12:10)

-Conveners: Sifiso Ntshangase

time	[id] title	presenter
11:10	[317] Search for chirality in 193Tl	Mr NDAYISHIMYE, Joram
11:30	[264] Exploring the spectroscopy of vibrational levels in the transitional rare earth region	Mr MAJOLA, Siyabonga
11:50	[72] Two Proton Stripping via the $^{115}\text{In}(^3\text{He},n)^{117}\text{Sb}$ reaction and a GEANT4 simulation of the AFRODITE array at iThemba LABS.	Mr LI, Kevin

NPRP: ATLAS 2 - D Les 101 (14:00-15:40)

-Conveners: Paulus Masiteng

time	[id] title	presenter
14:00	[334] Evidence for Higgs Boson Decays to Tau Lepton Pairs from the ATLAS Experiment at the CERN Large Hadron Collider	Mr BRISTOW, Kieran
14:20	[404] Search for the Higgs boson in fermionic channels using the ATLAS detector	Mrs LEE, Claire
14:40	[364] The Higgs as a portal to the “hidden sector” via an analysis of $H \rightarrow Z'Z' \rightarrow 4l$	Mr UNWUCHOLA, D A
15:00	[32] Search for the 2HDM neutral CP-odd pseudoscalar Higgs, A , in the $A \rightarrow Zh$ channel in $\sqrt{s} = 8 \text{ TeV}$ pp collisions with multilepton final states using the ATLAS detector	Mr HAMITY, Guillermo
15:20	[358] The iThemba LABS Radioactive Beam Project	Dr BARK, Robert

NPRP: Divisional Meeting - D Les 101 (17:10-18:00)

-Conveners: Simon Mullins

Friday 11 July 2014

NPRP: Nuclear Theory - D Les 101 (10:00-10:40)

-Conveners: Jean Cleymans

time	[id] title	presenter
10:00	[238] Cluster Model Analysis of Exotic Decay in Actinide Nuclei	Mr DU TOIT, Erasmus
10:20	[27] Coupled-channel studies of nucleon-scattering from oxygen isotopes	Prof. KARATAGLIDIS, Steven

NPRP: Reactors and Neutrons - D Les 101 (11:10-12:10)

-Conveners: Peane Maleka

time	[id] title	presenter
11:10	[311] Representation of the Few-Group Homogenized Cross Sections of a MOX Fuel Assembly	Mr CHIFAMBA, Saymore
11:30	[256] Validation of the performance of Geant4 in the simulation of neutron induced reactions relevant to reactor studies.	Ms MUDAU, Rotondwa
11:50	[403] Fast neutron measurements with dueterated liquid organic scintillator NE230	Mr MASONDO, Vusumuzi