

SAIP2015

Tuesday 30 June 2015

NPRP: NPRP1 (10:00-10:40)

-Conveners: Simon Mullins

time	[id] title	presenter
10:00	[138] Test for traditional vibrational wisdom in 110,112Cd by two proton stripping	Mr MAQABUKA, Bongani
10:20	[90] Nuclear structure studies in the A=136 mass region using transfer reactions.	Ms REBEIRO, Bernadette

NPRP: NPRP1 (11:10-12:10)

-Conveners: Steven Karataglidis

time	[id] title	presenter
11:10	[140] Statistical properties of Zirconium-91	Mr ZIKHALI, Bonginkosi Richard
11:30	[168] Second-order Coulomb excitation effects from the GDR	Prof. ORCE, Nico

NPRP: NPRP1 (14:00-15:40)

-Conveners: Simon Connell

time	[id] title	presenter
14:00	[93] Search for a Neutral MSSM Higgs bosons in the tau-tau final state in early Run II collision data at ATLAS	Mr HAMITY, Guillermo
14:20	[61] Jet substructure: a discovery tool at the LHC	KAR, Deepak
15:00	[43] Probing new physics in the Higgs sector with effective field theories at the Large Hadron Collider	Prof. MELLADO, Bruce
15:20	[42] Status of the measurements of Higgs boson properties with the ATLAS detector	Prof. MELLADO, Bruce

Wednesday 01 July 2015

NPRP: NPRP1 (09:40-10:40)

-Conveners: Joel Mira

time	[id] title	presenter
09:40	[26] Monte Carlo simulations to obtain the weak magnetism term for $\langle \sup{22} \rangle \text{Na}$ beta decay	Mr PHUTHU, Lutendo
10:00	[360] Generation and validation of Monte Carlo signal events for the $\text{H} \rightarrow \text{ZdZd} \rightarrow 4\text{l}$ Analysis	Mr UNWUCHOLA, Doomnull Attah

NPRP: NPRP1 (11:10-12:10)

-Conveners: Simon Connell

time	[id] title	presenter
11:10	[271] Measurement of single muon vs charged particle multiplicity at the LHC – an outlook study.	Ms MHLANGA, Sibaliso
11:30	[207] Performance of missing transverse momentum reconstruction in ATLAS	Ms LIAO, Shell-may

NPRP: NPRP1 (14:00-15:40)

-Conveners: Antoine Mulaba-Bafubiandi

time	[id] title	presenter
14:00	[216] The Impact of Re-homogenisation for Nodal Cross-section Corrections in OSCAR-4 as Applied to SAFARI-1 Research Reactor	Mr CHINAKA, Eric
14:20	[177] The development of a neutron converter for the production of radioactive beams at iThemba LABS	Mr NGCOBO, Zipho
14:40	[48] An analysis and quantification of typical errors in the deterministic calculational path for research reactor modelling	Mr GINA, Thembelani
15:00	[337] Fast Neutron Radiography at an RFQ Accelerator System	Mr DANIELS, Graham
15:20	[212] Data processing at the Necsa neutron diffraction facility	Mr MARAIS, Deon

Thursday 02 July 2015

NPRP: NPRP1 (09:40-10:40)

-Conveners: Paulus Masiteng

time	[id] title	presenter
09:40	[67] Alpha particle scattering within the MCAS approach	Prof. KARATAGLIDIS, Steven
10:00	[107] Developing the high data-throughput ADC daughter board of the PROMETEO test-bench for the upgrade of the ATLAS Tile Calorimeter	Mr SPOOR, Matthew
10:20	[78] GPU-based Computation of Energy and Time for the Upgrade of the Tile Calorimeter of the ATLAS Detector"	Mr SACKS, Marc

NPRP: NPRP1 (11:10-12:10)

-Conveners: Deepak Kar

time	[id] title	presenter
11:10	[153] Exploring the Dark Sector extension to the Standard Model via the Higgs Portal	Prof. CONNELL, Simon
11:30	[159] Dark matter production in association with Higgs bosons through heavy scalar resonance at the LHC	Mr VON BUDDENBROCK, Stefan
11:50	[44] Search for the Higgs boson in the di-photon decay in association with intermediate missing energy with the ATLAS detector	Ms LIAO, Shell-may

NPRP: NPRP1 (14:00-15:40)

-Conveners: Stephan Winkler

time	[id] title	presenter
14:00	[416] Radioelement results which was obtained with a self-developed measuring method of a new in situ gamma ray detection system	Dr BEZUIDENHOUT, Jacques
14:20	[449] A calibration facility for in-situ gamma-ray detector efficiency	Mr SEHONE, Alfred
14:40	[287] Plasma diagnostics on the GTS-ECRIS at iThemba Labs	Mr SAKILDIEN, Muneer
15:00	[317] Ion Sources used to produce different beams at iThemba LABS	Dr MIRA, Joele
15:20	[238] Investigating prompt gamma cross-section data using a Geant4-simulated AFRODITE detector system	Ms RAMANATHAN, Vijitha

NPRP: Division Meeting (16:10-17:10)

-Conveners: Simon Mullins

time	[id] title	presenter
16:10	[464] Division Meeting	Dr MULLINS, Simon

Friday 03 July 2015

NPRP: track 1 (09:40-10:40)

-Conveners: Simon Mullins

time	[id] title	presenter
09:40	[335] A multiplet of chiral bands in ^{194}Tl : DSAM lifetime measurements	Dr LAWRIE, Elena
10:20	[174] The design and simulation of a new experimental set up for measuring short nuclear level lifetimes	Mr SINGH, Bhivek

NPRP: track 2 (09:40-10:40)

-Conveners: Vela Mbele

time	[id] title	presenter
09:40	[148] An Integration Framework Tool for ATCAs in the ATLAS Detector Control System	Mr REED, Robert
10:00	[147] A di-Higgs Search in the $\gamma\gamma b\bar{b}$ Decay Channel Using the ATLAS Detector	Mr REED, Robert
10:20	[66] A Portable ReadOut Module for Tilecal ElectRONics (PROMETEO) test-bench for the certification of the Tile Calorimeter of the ATLAS detector	Dr KUREBA, Chamunorwa Oscar

NPRP: NPRP1 (11:10-13:10)

-Conveners: Sifiso Ntshangase

time	[id] title	presenter
11:10	[358] Fine structure of the isovector Giant Dipole Resonance in neutron-rich calcium isotopes using the (p,p') reaction at 200 MeV	Mr LATIF, Mouftahou
11:30	[119] A study of the Isovector Giant Dipole Resonance across the neodymium and samarium isotope chains	Ms DONALDSON, Lindsay
11:50	[149] Search for scissor resonance in ^{182}Ta	Mr BRITS, C.P.
12:10	[240] Extraction of statistical properties in ^{181}Ta to investigate nucleosynthesis of ^{180}Ta	Mr MALATJI, Kgashane
12:30	[83] Characterisation of potential cluster states in ^{16}O	Mr LI, Kevin
12:50	[420] The Design and Construction of an Active Target Detector for the Study of the $^{20}\text{Ne}(\alpha,\alpha')^{20}\text{Ne}^*$ Reaction	Mr BRUMMER, Johann Wiggert

NPRP: track 2 (11:10-13:10)

-Conveners: Pete Jones

time	[id] title	presenter
11:30	[99] Comparative study of proton induced radiation damage in plastic scintillators for the Tile Calorimeter of ATLAS	Ms JIVAN, Harshna
11:50	[327] Generation of Time-Stamped by a Digital Data Acquisition System	Mr ERASMUS, Nicholas
12:10	[136] Online energy reconstruction on ARM for the ATLAS TileCal sROD co-processing unit	Mr COX, Mitchell
12:30	[414] Developing a sorting code for Coulomb-excitation studies at iThemba LABS	Mr MEHL, Craig

12:50	[45] A study of radiation damage in plastic scintillators using magnetic resonance techniques for the upgrade of the ATLAS detector	Mr PELWAN, Chad
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