

SAIP2017

Tuesday 04 July 2017

Nuclear, Particle and Radiation Physics 1 - A406 (10:00-10:40)

-Conveners: Simon Mullins

time	[id] title	presenter
10:00	[319] The Characterization of the first excited $\frac{12}{9}B$ state in ^{12}B	Mr MUKWEVHO, ndinanyi justice
10:20	[35] Photon strength function studies at iThemba LABS – latest developments	Dr WIEDEKING, Mathis

Nuclear, Particle and Radiation Physics 1 - A406 (11:10-12:10)

-Conveners: Sifiso Senzo Ntshangase

time	[id] title	presenter
11:10	[392] Ancillary detectors at the K600 magnetic spectrometer	Dr PAPKA, Paul
11:30	[423] Cross section measurements of light ion production using (p,xp) and (p,xn) reactions	Ms KENFACK, Doris
11:50	[39] Towards implementation/development of the state-of- the-art electron spectrometer capability at iThemba LABS	Mr AVAA, Abraham

Nuclear, Particle and Radiation Physics 1 - A406 (14:00-15:40)

-Conveners: Pete Jones

time	[id] title	presenter
14:00	[196] The Isovector Giant Dipole Resonance in the transition region of the samarium isotope chain	Dr DONALDSON, Lindsay
14:20	[170] Investigation of the isoscalar giant monopole resonance as a function of neutron excess in the 42,44,48Ca isotope chain	Mr OLORUNFUNMI, Sunday
14:40	[79] Studies of the low lying E1 “Pygmy resonance” modes in ^{154}Sm using inelastic alpha scattering	Ms JIVAN, Harshna
15:00	[384] Exploring the nature and strength of the Isoscalar Giant Monopole Resonance in ^{12}C	Dr SMIT, Frederick David
15:20	[242] The (d,3He) single-nucleon transfer reaction	Dr NEVELING, Retief

Wednesday 05 July 2017

Nuclear, Particle and Radiation Physics 1 - A406 (10:00-10:40)

-Conveners: Mathis Wiedeking

time	[id] title	presenter
10:00	[54] Resonances in odd-odd ^{182}Ta	Mr BRITS, C.P.
10:20	[223] Measurements of gamma-ray production cross sections of proton beams at energies of 80-125 MeV with a natural calcium target.	Mr KUNYANA, Ayanda

Nuclear, Particle and Radiation Physics 1 - A406 (11:10-12:10)

-Conveners: Robert Bark

time	[id] title	presenter
11:10	[90] New $B(2+1) E2 [0+1]$ value in ^{20}Ne : mitigating an old challenge with rotor model	Ms MASANGO, Senamile
11:30	[413] Radiation Safety Calculations for iThemba LABS ACE Isotopes facility.	Mr MANTENGU, Nkanyiso
11:50	[360] Study of the low-lying states in ^{26}Mg nuclei.	Ms MOLEMA, Pheladi

Nuclear, Particle and Radiation Physics 1 - A406 (14:00-15:40)

-Conveners: Paul Papka

time	[id] title	presenter
14:00	[23] Assessing the impact of phosphate rock storage on uranium and thorium concentration in soil samples from Richards Bay using Neutron Activation Analysis.	Mr MASOK, FEILIX
14:20	[9] Characterisation of radon in Karoo Basin groundwater prior to shale gas exploration	Mr RYNO, Botha
14:40	[179] Efficiency calibration of the laboratory based gamma-ray detector for various sample geometries	Ms BULALA, Avuyile Sisanda
15:00	[230] Measurements of natural radioactivity in sands using an array of lanthanum -bromide scintillator detectors	Ms BASHIR, M
15:20	[312] ASSESSMENT OF ANNUAL EFFECTIVE, DOSES FROM ENVIRONMENTAL TERRESTRIAL GAMMA RADIATION AND IN DANGOTE CEMENT INDUSTRY, IBESE OGUN- STATE NIGERIA	Mr OLATUNJI, Kehinde

Thursday 06 July 2017

Nuclear, Particle and Radiation Physics 1 - A406 (10:00-10:40)

-Conveners: Simon Mullins

time	[id] title	presenter
10:00	[194] Injection Line Studies for the SPC2 Cyclotron at iThemba LABS	Dr NEMULODI, fhumulani
10:20	[414] PLASMA DIAGNOSTICS ON THE ECRIS	Mr SAKILDIEN, Muneer

Nuclear, Particle and Radiation Physics 1 - A406 (11:10-13:10)

-Conveners: John F Sharpey-Schafer

time	[id] title	presenter
11:10	[107] Calculation of the Energy Produced from Radiative Capture in the SAFARI-1 Nuclear Reactor	Ms JURBANDAM, Linina
11:30	[244] Non-radiating accelerating electrons	Mr WEBSTER, Jason
11:50	[81] High-fidelity modelling of the Egyptian 2nd Testing Research Reactor (ETRR-2)	Mr MASHAU, Maurice
12:10	[395] Feasibility of Nuclear Plasma Interaction studies with the Activation Techniques	Mr THEMBALETHU, Nogwanya

Nuclear, Particle and Radiation Physics 1 - A406 (14:00-15:40)

-Conveners: Luna Pellegrini

time	[id] title	presenter
14:00	[304] Spectroscopy of proton unbound states in ^{32}Cl .	Mr KAMIL, Mohamed
14:20	[168] Gamma-Ray Strength Function in ^{74}Ge from the Ratio Method	Mr SOWAZI, Khanyisa
14:40	[85] Nuclear level densities and gamma-ray strength functions of $^{180,181,182}\text{Ta}$ and neutron capture cross sections	Mr MALATJI, Kgashane
15:00	[306] High precision branching ratio measurement in ^{19}Ne beta decay	Ms REBEIRO, Bernadette

Nuclear, Particle and Radiation Physics 1 - A406 (16:10-17:10)

-Conveners: Simon Mullins

time	[id] title	presenter
16:10	[422] Divisional Meeting of Nuclear, Particle, and Radiation Physics	Dr MULLINS, Simon

Friday 07 July 2017

Nuclear, Particle and Radiation Physics 1 - A406 (10:00-10:40)

-Conveners: Taofiq Ibrahim

time	[id] title	presenter
10:00	[172] New developments in the nuclear binary cluster-Core in the Super-Heavy Nuclear region	Mr KIMENE KAYA, Boniface Dimitri Christel
10:20	[58] Calculation of the nuclear optical potential and elastic scattering observables for unstable nuclei using a relativistic formalism	Mr YAHYA, Wasiu

Nuclear, Particle and Radiation Physics 1 - A406 (11:10-13:10)

-Conveners: Simon Mullins

time	[id] title	presenter
11:10	[424] High Power Laser System at the Extreme Light Infrastructure – Nuclear Physics	Dr DANCUS, Ioan
11:30	[425] Nuclear Physics with High Power Lasers at ELI-NP facility	Dr NEGOITA, Florin
12:10	[416] SAIF - the South African Isotope Facility	Dr BARK, Robert