

SAIP2012

Tuesday 10 July 2012

NPRP: High Energy Physics 1 (11:00-12:20)

-Conveners: William Horowitz

time	[id] title	presenter
11:00	[434] Data analysis of W-boson in p-p and Pb-Pb collisions at LHC energies	Mr DU TOIT, Pieter
11:20	[435] Analysis of Monte-Carlo generated Data for W production in the semi-muonic channel using the ALICE Detector	Mr SENOSI, KGOTLAESELE JOHNSON
11:40	[358] W Mass Measurement at D0	Dr YACOOB, Sahal
12:00	[29] Production of muons in the ALICE experiment at the LHC	Dr BUTHELEZI, Zinhle

NPRP: High Energy Physics 2 (14:30-15:50)

time	[id] title	presenter
15:10	[369] Search for Higgs to 4 leptons through new gauge bosons	Mr NTSOELE, Phineas
15:30	[505] Measurement of the Missing Transverse Momentum based on tracks in proton-proton collisions at $\sqrt{s} = 7$ TeV centre-of-mass energy with the ATLAS detector	Mrs LEE, Claire

Wednesday 11 July 2012

NPRP: Reaction Mechanisms and Fission (08:00-09:20)

-Conveners: David Roux

time	[id] title	presenter
08:00	[85] Reaction mechanisms studied using the iThemba LABS recoil detector	Dr NTSHANGASE, Sifiso Senzo
08:20	[465] Characterization of Incomplete Fusion Reaction with AFRODITE and DIAMANT	Mr BONGANI, maqabuka
08:40	[412] High Resolution Two Proton Stripping reactions with the AFRODITE/WAFANA2 setup	Dr PAPKA, Paul
09:00	[351] A facility for fast-neutron irradiations at Jyväskylä and its use for nuclide cross-section measurements in fission	Dr JONES, Pete

NPRP: Reactors and Radio-activity (10:55-11:55)

-Conveners: IYABO USMAN

time	[id] title	presenter
10:55	[5] Assessment of Beryllium Depletion Modeling on SAFARI-1 Reactor Core Parameters in aid of OSCAR-4 Validation	Mr BRAYSHAW, Richard
11:15	[53] Criticality effects of storage patterns of spent nuclear fuel casks	Mr LEOTLELA, Mosebetsi
11:35	[119] Biological Monitoring of Air Pollution with Plants: results from a pilot study in the Western Cape, South Africa	Ms NDLOVU, Ntombizikhona Beulah

NPRP: Anti-neutrinos and beta-decay ; Division Meeting (16:30-17:50)

-Conveners: Simon Mullins

time	[id] title	presenter
16:30	[250] Are antineutrinos affecting beta-plus decay rates?	Mr VAN ROOY, Milton
16:50	Introduction to NPRP Division Meeting	
17:10	[534] NPRP Division meeting	Dr MULLINS, Simon

Thursday 12 July 2012

NPRP: Nuclear Resonances : From Pygmy to Giant (08:00-09:20)

-Conveners: John Carter

time	[id] title	presenter
08:00	[94] A study of the complete electric dipole response in ^{96}Mo	Dr NEVELING, Retief
08:20	[201] Fine structure of E2 strength in one-proton-different nuclei from (p,p') experiments	Dr USMAN, IYABO
08:40	[359] Effects of nuclear deformation on the fine structure of the Isoscalar Giant Quadrupole Resonance from even-even neodymium isotopes using proton inelastic scattering	Mr KUREBA, Chamunorwa Oscar
09:00	[371] Investigation of fine structure of the Isovector Giant Dipole Resonance in nuclei across the periodic table using proton inelastic scattering at zero degrees	Mr JINGO, Maxwell

NPRP: Radio-active beams, shielding and monitoring (11:00-12:20)

-Conveners: Noel Mkhululi Jacobs

time	[id] title	presenter
11:00	[203] News on the iThemba LABS Radioactive Beams Project	Dr BARK, Robert
11:20	[75] Radiation Shielding calculations using MCNPX transport code for cost optimization of the shielding material to be used at iThemba LABS	Mr ZIPHO, Phumlani
11:40	[10] Radiation shielding analysis and optimisation for the mineral-PET Kimberlite sorting facility using the Monte Carlo calculation code MCNPX	Mr CHINAKA, Eric

NPRP: Nuclear Structure (14:10-15:30)

-Conveners: Sifiso Senzo Ntshangase

time	[id] title	presenter
14:10	[427] In-beam spectroscopy of ^{72}Ge	Dr ROUX, David
14:30	[289] The structure of excited states seen in double beta decay	Ms BVUMBI, Suzan Phumudzo
14:50	[194] New rotational bands in ^{192}Tl	Mr EASTON, Jayson
15:10	[113] Search for Chiral Structures in ^{193}Tl	Mr NDAYISHIMYE, Joram

NPRP: Clustering, break-up and spontaneous fission (16:00-17:20)

-Conveners: Paul Papka

time	[id] title	presenter
16:00	[115] Investigation of the 11.16 MeV state of ^{12}C	Mr NEMULODI, fhumulani
16:20	[38] Multi-detector registration system for the study of multi-body decays of heavy nuclei.	Mr MALAZA, Vusi
16:40	[2] The investigation of properties of short-lived SF isotopes ($Z > 100$) at the focal plane of VASSILISSA separator.	Mr SVIRIKHIN, Alexander

Friday 13 July 2012

NPRP: Nuclear Theory (08:00-09:20)

-Conveners: Zipho Ngcobo

time	[id] title	presenter
08:00	[44] Linking nuclear masses with nucleon separation energies	Prof. KARATAGLIDIS, Steven
08:20	[65] Application of the Isobaric Mass Multiplet Equation to the rp process in Nuclear Astrophysics	Prof. RICHTER, Werner
08:40	[312] Ground state properties of doubly closed-shell nuclei with the Potential Harmonic Expansion Method	Mr MUKERU, Bahati
09:00	[388] The formulation of a hybrid nuclear cluster potential	Mrs KAMBLAWE, Amany

NPRP: High Energy Physics 3 (11:00-12:20)

-Conveners: Zinhle Buthelezi

time	[id] title	presenter
11:00	[11] Relativistic thermodynamics: transverse momentum distributions in high-energy physics	Prof. CLEYMANS, Jean
11:40	[543] Studying Hot Many Body QCD	Dr HOROWITZ, Will
12:00	[247] From chi-squared to Bayesian model comparison: Levy expansions of Bose-Einstein correlations in e^+e^- correlations	Mr DE KOCK, Michiel