



# SAIP2017

## Tuesday 04 July 2017

### Nuclear, Particle and Radiation Physics 2 - A404 (10:00-10:40)

-Conveners: Zinhle Buthelezi

time	[id] title	presenter
10:00	[86] Overview of recent results in the diphoton decay channel with pp collisions collected during 2015 and 2016 at 13 TeV with the ATLAS detector	Mr REED, Robert
10:20	[87] Exploring new physics in events with missing transverse energy and a Higgs boson decaying to two photons with the ATLAS detector	Ms LIAO, Shell-may

### Nuclear, Particle and Radiation Physics 2 - A404 (11:10-12:10)

-Conveners: Siegfried Förtsch

time	[id] title	presenter
11:10	[310] Geometrical Validation of ATLAS New Small Wheel Simulation Software	Mrs MWEWA, Chilufya
11:30	[92] Reconstruction of missing energy in event with two photons in ATLAS detector at the Large hadron collider.	Mr TOMIWA, Kehinde
11:50	[189] The impact of an extended Inner Detector tracker on the $W^+W^+$ measurement in $pp$ collisions at the High-Luminosity LHC with the upgraded ATLAS detector	Ms VAN TONDER, Raynette

### Nuclear, Particle and Radiation Physics 2 - A404 (14:00-15:40)

-Conveners: Bruce Mellado

time	[id] title	presenter
14:00	[252] Heavy-quark production vs multiplicity in small systems at LHC energies	Dr BUTHELEZI, Zinhle
14:20	[139] Quark gluon tagging at the LHC	KAR, Deepak
14:40	[146] Multilepton signatures of BSM scalar bosons at the LHC	Dr KUMAR, Mukesh
15:00	[245] $J/\psi$ suppression at forward rapidity in Pb–Pb collisions	Dr FÖRTSCH, Siegfried
15:20	[366] Measurement of W and Z boson production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV in ALICE	Dr SARKAR, AMAL

# Wednesday 05 July 2017

## Nuclear, Particle and Radiation Physics 2 - A404 (10:00-10:40)

-Conveners: Thomas Dietel

time	[id] title	presenter
10:00	[118] Production of the Madala boson in association with top quarks	Mr VON BUDDENBROCK, Stefan
10:20	[141] The production of two leptons and missing energy from H->Sh production at the LHC	Mr FADOL, Abdualazem

## Nuclear, Particle and Radiation Physics 2 - A404 (11:10-12:10)

-Conveners: Deepak Kar

time	[id] title	presenter
11:10	[240] Search for boosted heavy neutrino with the ATLAS detector at the LHC	Mr MOLUPE, Tshidiso
11:50	[311] Higgs decay via the dark vector boson to four leptons	Mr NTSOELE, Phineas

## Nuclear, Particle and Radiation Physics 2 - A404 (14:00-15:40)

-Conveners: Simon Connell

time	[id] title	presenter
14:00	[264] AdS/CFT predictions for partonic and fragmented momentum, azimuthal, and rapidity correlations of heavy flavors in heavy ion collisions	Mr HAMBROCK, Robert
14:20	[267] Search for new physics using four charged leptons at the LHC	Mr RAJAOFERASON, Mampionona Ralaimiaramanana
14:40	[121] Composite scintillators - new type of radiation hard scintillator	Ms MDHLULI, Joyful
15:00	[101] Exotic searches with jet substructure at the LHC	Ms ROY, Debarati

# Thursday 06 July 2017

## Nuclear, Particle and Radiation Physics 2 - A404 (10:00-10:40)

-Conveners: Simon Connell

time	[id] title	presenter
10:00	[389] The search for new bosons at the Large Hadron Collider	Prof. MELLADO, Bruce
10:20	[269] Constraining the Gluon Content of Nuclei with an Electron-Ion Collider	Mr GUEORGUIEV, Victor