

Session Program

30 January 2019 to 1 February 2019

HEPP Workshop 2019

Session IV

Nelson Mandela University, Room 0017
Nelson Mandela University Room 0017 Ground Floor Building 127 Science Building South Campus
Summerstrand

Thursday 31 January

14:00

Session IV: Session IV

Session |

Location: Nelson Mandela University, Room 0017, Nelson Mandela University Room 0017 Ground Floor Building 127 Science Building South Campus Summerstrand

14:00–14:20

H4l lepton isolation studies for the $H \rightarrow ZZ \rightarrow 4\ell$ channel

Speaker

Onesimo Mtintsilana

14:20–14:40

Search for a new resonance in the diphoton decay in association with $E_{\text{T}}^{\text{miss}}$ with the ATLAS detector

Speaker

Shell-May Liao

14:40–15:00

Top-quark background estimation for BSM search $H \rightarrow Sh \rightarrow 2\ell + \geq 2$ jets with the ATLAS detector

Speaker

Jeremiah Kgomotso Monnakgotla

15:00–15:20

W +jets fake background estimation using the fake factor method, for the BSM search $H \rightarrow Sh \rightarrow 2\ell + \text{jets}$ with the ATLAS detector

Speaker

Lehumo Mashishi

15:20–15:50

Tea/Coffee

15:50–16:10

Search for physics beyond the Standard Model in events with two opposite charged leptons and jets at the LHC

Speaker

Yesenia Hernandez Jimenez

16:10–16:30

What can 3ℓ signatures at the LHC can tell us about additional bosons?

Speaker

Kehinde Gbenga Tomiwa

17:20