

Session Program

30 January 2019 to 1 February 2019

HEPP Workshop 2019

Session III

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

Thursday 31 January

09:00

Session III: Session III

Session |

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

09:00–09:45

Dark Matter - continued

Speaker

Prof. Ashok Goyal

09:45–10:30

Introduction to the SM - Continued

Speaker

Alan Cornell

10:30–11:00

Tea/Coffee

11:00–11:30

Discussion Session

Speakers

Alan Cornell, Prof. Ashok Goyal

11:30–11:50

Search for a heavier Higgs like boson and a dark force boson using ATLAS experiment results

Speaker

Xola Mapekula

11:50–12:10

Improving the top-quark reconstruction on the $W^{\prime}$ search in the hadronic channel.

Speaker

Fortune Nhlanhla Mhlanga

12:10–12:30

Probing colour reconnection in $t\bar{t}$ events

Speaker

Dimbiniaina Rafanoharana

12:30–12:50

Review of Jet Substructure and Machine Learning activities

Speaker

Deepak Kar

13:00