

PJM Prelim Presentations

Report of Contributions

Contribution ID: 17

Type: **not specified**

Computer simulation of diamond as a resilient material in a high radiation environment

Friday, 10 October 2025 13:24 (12 minutes)

Presenter: HLONGWANE, Sibongakonke Sephesihle

Contribution ID: **18**

Type: **not specified**

Improving PET detectors, faster, higher resolution, better visualization.

Friday, 10 October 2025 13:36 (12 minutes)

Presenter: MAILA, Mwalimo Mandisa

Contribution ID: **19**

Type: **not specified**

4IR Sensors for Extreme Environments (SEE) – Instrumentation of Nuclear Reactors (Damage aspect)

Friday, 10 October 2025 15:36 (12 minutes)

Presenter: VAN DER MERWE, Armand

Contribution ID: **20**

Type: **not specified**

CFD for the HPHE in a Micro Nuclear Reactor

Friday, 10 October 2025 15:12 (12 minutes)

Presenter: SHABALALA, Zekhethelo

Contribution ID: 21

Type: **not specified**

Studying the absorption and scattering of PET photons in Medical and Mineral PET

Friday, 10 October 2025 14:48 (12 minutes)

Presenter: NCUBE, Prince

Contribution ID: 22

Type: **not specified**

An exercise in Big Data Processing : The search for dark particles at ATLAS, CERN

Friday, 10 October 2025 13:00 (12 minutes)

Presenter: BOSIKA, Unathi

Contribution ID: 23

Type: **not specified**

Optimisation of XRT Sorting :

Friday, 10 October 2025 13:48 (12 minutes)

Presenter: MENO, Goitsemodimo Zeanest

Contribution ID: 24

Type: **not specified**

CFD for Agriculture

Friday, 10 October 2025 14:36 (12 minutes)

Presenter: T MURINGANI, Pardon

Contribution ID: 25

Type: **not specified**

FOS for aircraft

Friday, 10 October 2025 15:24 (12 minutes)

Presenter: SINGH, Bhavesh

Contribution ID: 26

Type: **not specified**

Development of vibration detection tool

Friday, 10 October 2025 13:12 (12 minutes)

Presenter: CHAUKE, Thero Ronaldo

Contribution ID: 27

Type: **not specified**

Data analysis for FOS in nuclear reactor

Friday, 10 October 2025 15:00 (12 minutes)

Presenter: NGOMANE, Zenith

Contribution ID: **28**

Type: **not specified**

GEANT4 simulation for FOS package in ATLAS Itk at the HL-LHC

Friday, 10 October 2025 14:00 (12 minutes)

Presenter: MKHWANAZI, Lionel

Contribution ID: 29

Type: **not specified**

Data analysis for FOS at ATLAS Inner Detector at the LHC

Friday, 10 October 2025 14:24 (12 minutes)

Presenter: MTHETHWA , Lwazi

Contribution ID: **30**

Type: **not specified**

GEANT4 simulation for FOS at ATLAS Inner Detector at the LHC

Friday, 10 October 2025 14:12 (12 minutes)

Presenter: MOODLEY, Enrique