

# **PJM Regular Fortnightly Meeting**

## **Report of Contributions**

Contribution ID: 17

Type: **not specified**

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

*Friday, 12 September 2025 14:00 (10 minutes)*

**Presenter:** HLONGWANE, Sibongakonke Sephesihle

Contribution ID: **18**

Type: **not specified**

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

*Friday, 12 September 2025 14:15 (10 minutes)*

**Presenter:** MAILA, Mwalimo Mandisa

Contribution ID: **19**

Type: **not specified**

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

*Friday, 12 September 2025 14:30 (10 minutes)*

**Presenter:** VAN DER MERWE, Armand

Contribution ID: 20

Type: **not specified**

## CFD for the HPHE in a Micro Nuclear Reactor

*Friday, 12 September 2025 15:45 (10 minutes)*

**Presenter:** SHABALALA, Zekhethelo

Contribution ID: 21

Type: **not specified**

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

*Friday, 12 September 2025 15:00 (10 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, 12 September 2025 15:15 (10 minutes)*

**Presenter:** BOSIKA, Unathi

Contribution ID: 23

Type: **not specified**

## Optimisation of XRT Sorting :

*Friday, 12 September 2025 14:45 (10 minutes)*

**Presenter:** MENO, Goitsemodimo Zeanest



Contribution ID: 24

Type: **not specified**

## CFD for Agriculture

*Friday, 12 September 2025 15:30 (10 minutes)*

**Presenter:** T MURINGANI, Pardon