

PG Research Proposal Review

Report of Contributions

Contribution ID: 17

Type: **not specified**

Optimisation of PET detectors

Thursday, 24 September 2026 13:00 (10 minutes)

Presenter: SITHABISO MSANE (UJ)

Contribution ID: **18**

Type: **not specified**

Big data processing: Search for dark matter particles at ATLAS

Thursday, 24 September 2026 13:10 (10 minutes)

Presenter: KGOMOTSO ZWAKALA (UJ)

Contribution ID: **19**

Type: **not specified**

Performance of nanocrystalline diamond rod radiation hard humidity sensors in radiation intense applications

Thursday, 24 September 2026 13:20 (10 minutes)

Presenter: KEVIN MURUNWA MATAMELA (UJ)

Contribution ID: 20

Type: **not specified**

Implementation of IoT sensors for UJ Green house.

Thursday, 24 September 2026 14:30 (10 minutes)

Presenter: NKOSEPHAYO ZWANE (UJ)

Contribution ID: 21

Type: **not specified**

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

Thursday, 24 September 2026 13:40 (10 minutes)

Presenter: ACHIEVER TANDOH TENENG (UJ)

Contribution ID: 22

Type: **not specified**

Optimisation of XRT Sorting

Thursday, 24 September 2026 13:50 (10 minutes)

Presenter: SINESIPHO NKOSI (UJ)

Contribution ID: 23

Type: **not specified**

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

Thursday, 24 September 2026 13:30 (10 minutes)

Presenter: MKHULEKO NDWANDWE (UJ)

Contribution ID: 24

Type: **not specified**

CFD Study of the APB Greenhouse at the CEI

Thursday, 24 September 2026 14:00 (10 minutes)

Presenter: TSHEPISO F MOGAJANA (UJ)

Contribution ID: 25

Type: **not specified**

Study temperature sensitivity on diamond coated Fibre Optic Sensor (FOS)

Thursday, 24 September 2026 14:20 (10 minutes)

Presenter: ALIZWA PIKOLOMZI SOBANTWANA (UJ)

Contribution ID: 26

Type: **not specified**

Study the humidity sensitivity on diamond coated FOS

Thursday, 24 September 2026 14:40 (10 minutes)

Presenter: AMUKELANI FORTUNATE NKUNA (UJ)

Contribution ID: 27

Type: **not specified**

GEANT4 simulation for a FOS dosimeter in a proton therapy.

Thursday, 24 September 2026 14:50 (10 minutes)

Presenter: MICHAEL MULISA RANNENYENI (UJ)

Contribution ID: 28

Type: **not specified**

Study the strain sensitivity on diamond coated FOS

Thursday, 24 September 2026 15:00 (10 minutes)

Presenter: LUQMAAN NANA (UJ)