



Contribution ID: 250

Type: Poster Presentation

Quality Assurance for LVPS Bricks in the Phase-II Tile Calorimeter Upgrade.

The Phase-II upgrades focus on enhancing the Tile Calorimeter's capabilities in ATLAS detectors, essential for high-energy physics research. Led by Wits University, these upgrades involve improving LVPS bricks, which convert 200V DC to 10V DC for detector operations, ensuring radiation resistance and reliability. Over a thousand LVPS bricks will be produced, each undergoing initial and final testing. Several test stations will support the process, using LabView for hardware and software testing. After testing, data will be collected and analyzed to ensure optimal performance.

Apply for student award at which level:

PhD

Consent on use of personal information: Abstract Submission

Yes, I ACCEPT

Primary author: Mr CHABALALA, Vongani (University of Witwatersrand)

Co-authors: Prof. MELLADO, Bruce (Ithemba Labs); Dr MOSOMANE, Chuene (Ithemba Labs); Dr MCKENZIE, Ryan (Ithemba Labs); Mr PILISA, Thabo (University of Witwatersrand)

Presenter: Mr CHABALALA, Vongani (University of Witwatersrand)

Session Classification: Poster Session

Track Classification: Track B - Nuclear, Particle and Radiation Physics