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Electronics Research Laboratory at University of Zululand: Contributing towards the ATLAS Experiment at CERN

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In December 2017, the Executive Board of the SA-CERN Consortium approved an investment in the local research infrastructure at the University of Zululand. As a result, an Electronics Research Laboratory was developed and completed in 2019. The laboratory host state of the art electronics test equipment and it was enhanced when the Centre for High Performance Computing (CHPC) in Cape Town deployed a High Performance Cluster (HPC) to the institution. While it services members of the ATLAS team in South Africa who are heavily involved in the TileCal Instrumentation upgrades at CERN, the laboratory goes beyond just the ATLAS group to accommodate other research groups. This presentation focuses on possible projects that can be dealt with in this laboratory. It is to create an awareness to the Physics community, especially the Nuclear and High Energy Particle Physics groups, on what the laboratory offers.

Key words: Electronics Research Laboratory, State of the Art Test Equipment, High Performance Computing.

Apply to be considered for a student ; award (Yes / No)?

No

Level for award;(Hons, MSc, PhD, N/A)?

N/A

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