

Characterization and Functionality of Burn-in station for the ATLAS Tile Calorimeter Low Voltage Power Supplies.

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This paper describes the development of test stations at the University of the Witwatersrand for the ATLAS Tile Calorimeter Low Voltage Power Supplies of the Large Hadron Collider. As part of phase II cycle, South Africa will produce and test, half of the LVPS bricks that will power up front-end electronics of the detector. The Burn-in station required to detect early failures in components thereby increasing component reliability. Here we describe the design and development of the burn-in station for the electronic boards.

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