

Radiation damage effects in the LHCb Vertex Locator

Wednesday 14 November 2012 10:20 (20 minutes)

The effects of radiation damage in the LHCb Vertex Locator have been studied with a variety of techniques, using both 2011 and 2012 data. An overview of these methods, which include bulk currents, the effective depletion voltage, the cluster finding efficiency and noise scans will be given. This will be followed by a summary of the key results using up to 2.7 inverse femtobarn of LHCb delivered luminosity.

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Session Classification: Radiation Damage in LHC detectors