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Measurement of the two tracks separation resolution in 3D-IBL modules

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In this work we aim to measure the two track separation resolution in the 3D pixel sensors placed at the Inner Barrel Layer (IBL) recently implemented in the ATLAS experiment.

Some simulation studies have been done to estimate the test beam conditions and results.

The main objective of this measurement will be to improve the cluster reconstruction, validate the simulation and finally to validate the reconstruction algorithms for the physics analysis.

Estimated length in minutes

15

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