

Abstract Submitted
for the APR10 Meeting of
The American Physical Society

In situ performance of the Transition Radiation Tracker of the ATLAS detector M. LIU, A. BOCCI, E.B. KLINKBY, A. GOSHAW, Duke University, ATLAS COLLABORATION — The Transition Radiation Tracker (TRT) is the outermost of the three tracking subsystems of the ATLAS Inner Detector at the Large Hadron Collider. It is a straw-tube based gas detector providing continuous tracking as well as particle identification capability. The TRT has been successfully commissioned with data collected from millions of cosmic ray muons. In this talk, we present a study of the in situ performance of the detector, with particular emphasis on the measurement of the robustness of track reconstruction.

Jaehoon Yu
Univ. of Texas at Arlington

Date submitted: 23 Oct 2009

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