



Contribution ID: 156

Type: **Oral (Non-Student) / orale (non-étudiant)**

Beam test of new ATLAS muon detectors at Fermilab

Wednesday 18 June 2014 14:15 (15 minutes)

One of the ATLAS experiment's upgrade to take place in 2018 consists in the construction of new muon chambers. A third of these gaseous detectors (so-called "thin gap chambers") will be built and tested in Canada. The performance of the first prototype chamber was investigated in a test beam at Fermilab in May 2014.

A description of the test setup at Fermilab as well as preliminary results will be presented.

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Session Classification: (W2-8) Energy Frontier: ATLAS at ~14 TeV - PPD-DIMP / Frontière d'énergie: ATLAS à ~14 TeV - PPD-DPIM

Track Classification: Particle Physics / Physique des particules (PPD)