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Testing of new ATLAS muon detectors at Fermilab's Test Beam Facility

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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 built in Canada was measured in a beam test 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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