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The ATLAS New Small Wheel Trigger

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The New Small Wheel (NSW) is a major upgrade to the muon spectrometer of the ATLAS experiment, which will be installed in 2019-2020. The NSW will comprise both sTGC and Micromegas detectors. One of the major goals on the upgrade is fast, precise muon reconstruction in hardware to allow triggering on single muon events in high pileup environments. This talk presents the status of the NSW trigger and integration into the NSW electronics readout path, with emphasis on the test stand at Harvard taking cosmic ray muon data with an octuplet of prototype Micromegas chambers.

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