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# Upgrade of Monitored Drift Tube detector of the Muon spectrometer during LHC LS2

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During the large hadron collider long shutdown 2 (LHC-LS2), the Muon Spectrometer of the ATLAS experiment known a major upgrade in the region  $1.0 < \eta < 1.3$ . motivated by the improving of the high-Pt measurement within the trigger system, where the old monitored drift tube chambers will be replaced by new ones in which an additional trigger detector RPC (resistive plate chambers) will be included, the trigger performance will be significantly boosted in this region, the number of tube layers will be 2 times more within the same detector volume, 10 times high rate capability compared to the current MDT chambers.. etc. two of the new small MDT chambers already integrated, commissioning is going on. The installation of the rest chambers scheduled to be done by the first week of December.

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