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CMS Muon Drift Tubes HL-LHC Slice Test

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The first prototypes of the HL-LHC electronics for the CMS On detector Board for the Drift Tube chambers (OBDT) have been installed attached to the DT chambers of the CMS detector and integrated in the central data acquisition and trigger system. They have operated together with the first backend prototypes for trigger generation and slow control. Months long data taking campaign of cosmic rays have taken place to validate the performance of these prototypes. The full chain has been operated very satisfactorily, showing the optimal efficiency and resolution of the designed Phase 2 electronics.

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