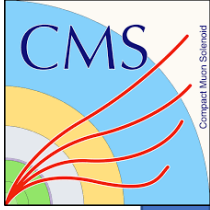


# A muon tracking algorithm for Level 1 trigger in the CMS barrel muon chambers during HL-LHC



- The Analytical Method (AM) is an algorithm for Trigger Primitive generation for the CMS L1 trigger system that will be used during HL-LHC .
- It uses the information from the DT and RPC systems.
- Implemented in software and firmware.
- Performance evaluated in Phase-2 simulation, with injected hits from run 1 collision data and with cosmic samples taken with prototypes installed on the CMS experiment.

