

The Upgraded MUON Spectrometer

- HL-LHC start after the LS2 (mid 2018 to end of 2019)
 - Upgraded Pb-Pb luminosity: $L=6 \cdot 10^{27} \text{ cm}^{-2}\text{s}^{-1}$ (50 kHz of int. rate) => **DAQ @ 100 kHz**
 - Present nominal LHC luminosity in Pb-Pb: $L=10^{27} \text{ cm}^{-2}\text{s}^{-1}$ (8 kHz of int. rate) => **DAQ @ 1 kHz**
- Need to upgrade the FEE & readout of MUON Trigger and Tracking
- Add the new Muon Forward Tracker (MFT)

