

# Looking to Run 4 in CMS

*Wednesday 12 March 2025 16:30 (20 minutes)*

For instance (under consideration; not an exhaustive list):

- experience with BCM1F in Run 3, and how it informs the CMS strategy for Run 4
- proposal for very-high  $\mu$  ( $\mu > 120$ ) fill with a mixture of indivs & trains (as done in 2016) for characterizing the BCID-dependent response, and the relative  $\mu$ -dependence, of the CMS luminometers (also of interest to ATLAS)
- scouting
- outer-tracker potential for L monitoring in Run 4 (simulation results)

**Presenter:** SHEVELEV, Alexey (University of Maryland (US))

**Session Classification:** What can we do better in the remainder of Run III, and looking to Run 4