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## **【358】 The PLUME luminosity monitor for LHCb**

*Thursday, June 30, 2022 5:00 PM (15 minutes)*

PLUME is a new sub-detector built for the LHCb experiment for the upcoming Run-3, to perform high-precision luminosity measurements for LHCb and LHC feedback. An overview will be given of the detector and its principles, with a spotlight for the monitoring system constructed at EPFL. This system allows for stable operation of the detector in the extreme environment around 1m upstream of the collision point. First data will be shown together with its performance, collected during the start-up taking place over April and May 2022.

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