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Luminosity determination in ALICE

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The cross-section in hadronic collisions is crucial information in any physics analysis of ALICE data at the LHC, as it not only provides the baseline for normalization but also is a source of substantial uncertainly by itself. The observable used to determine luminosity in ALICE is the visible cross-section (σ_{vis}), which is measured by using information from the LHC instrumentation and the ALICE detector collected during the van der Meer scan. In this talk, we present a review of the ALICE luminosity determination analysis and the results for Run 2 of the LHC, especially for pp collisions at $\sqrt{s} = 13$ TeV and for Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV.

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