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Luminosity determination in pp collisions at sqrtt(s)=13 TeV using the ATLAS detector at the LHC

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The preliminary calibration of the integrated luminosity for the Run-2 ATLAS data sample of pp collisions at sqrt(s)=13 TeV is described. The absolute luminosity scale is determined using van der Meer scans during dedicated running periods in year, and extrapolated to the physics data-taking regime using complementary measurements from several ATLAS subdetectors. The total uncertainties on the integrated luminosities are 2.0-2.4% for each individual year, and 1.7% on the full Run-2 data sample.

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