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Low Mu Run analysis on Measurement of the 2012 Inclusive Jet Cross Section in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector

Jets are defined choosing the anti-kt algorithm with two radius parameters of 0.4 and 0.6. The inclusive double-differential cross section measurement at $\sqrt{s} = 8$ TeV at 2012 is performed as a function of jet transverse momentum, in bins of jet rapidity. The data sample with no pile-up has been collected on low mu run for detector calibration and “clean” physics studies. Additionally, it provides to measure the low- p_T . This talk will represent analysis of the inclusive jet double-differential cross-section on low mu run using function of the jet transverse momentum p_T and jet rapidity y , covering a range of $20 \leq p_T < 430$ GeV and $|y| < 4.4$.

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