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Drell-Yan production in the forward region with LHCb

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We report on Drell-Yan production using data collected at the LHCb experiment with a centre of mass energy of $\sqrt{s} = 7$ -TeV in 2010. Drell-Yan events are selected with invariant di-muon masses $M_{\mu\mu} > 10$ -GeV/ c^2 . These measurements are sensitive to Bjorken- x values as low as 1×10^{-5} and will provide important input to the knowledge of the parton density functions. The event selection and the signal extraction is described. The cross section is measured differentially as a function of the invariant mass of the two muons.

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