

Abstract Submitted  
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**Measurement of the Drell-Yan differential cross section  $d\text{Sigma}/dM$  in the electron channel in pp collisions at 7 TeV at CMS** E. AVDEEVA, J. BUTT, I. KRAVCHENKO, University of Nebraska - Lincoln, A. JUODAGALVIS, Vilnius University, E. OLAYIA, C. SHEPHERD-THEMISTOCLEOUS, RAL, S. TKACZYUK, Fermilab, G. BAUER, J. BEN-DAVID, E. BUTZ, M. CHAN, V. DUTTA, P. EVERAERTS, G. GOMEZ-CEBALLOS, M. GONCHAROV, K. HAHN, P. HARRIS, M. KLUTE, S. NAHN, C. PAUS, D. RALPH, M. RUDOLPH, K. SUMOROK, K. SUNG, S. XIE<sup>1</sup>, MIT, CMS COLLABORATION — The Drell-Yan differential cross section  $d\text{Sigma}/dM$  is measured in pp collisions at  $\sqrt{s} = 7$  TeV, from a data sample collected with the CMS detector at the LHC, corresponding to an integrated luminosity of  $1.1 \text{ fb}^{-1}$ . The cross section measurement in the electron channel, normalized to the measured cross section in the Z region, is reported in the dielectron invariant mass range 15-1500 GeV. The results are found to agree with theoretical predictions.

<sup>1</sup>26th and 27th authors: M. Yang and M. Zanetti, MIT

Ekaterina Avdeeva  
University of Nebraska - Lincoln

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