

Abstract Submitted  
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**Drell-Yan cross section measurement** ALEXEY SVYATKOVSKIY, HWIDONG YOO, NORBERT NEUMEISTER, Purdue University — We present preliminary results of the measurement of the Drell-Yan muon pair production cross section in pp collisions with the first data collected by the CMS detector at the LHC. Dedicated methods to determine trigger and reconstruction efficiencies, using a data-driven approach, will be presented. Methods to correct for the limited detector resolution will be discussed. The Drell-Yan muon pair production cross section is reported relative to the  $Z \rightarrow \mu\mu$  peak cross section to avoid large systematic uncertainties, and was also compared with NNLO theoretical predictions.

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