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Measurement of the $t\bar{t}$ Cross Section in the Dilepton Channel with the D0 Detector MARION ARTHAUD, DAPNIA/SPP, Saclay, D0 COLLABORATION — We present the $t\bar{t}$ production cross measurement using dilepton events. This analysis is based on data taken with the D0 detector at the Fermilab Tevatron collider at a center-of-mass energy of 1.96 TeV. The data corresponding to an integrated luminosity of about 1.1 fb^{-1} were recorded in the years 2002 to 2006.

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