Search for SUSY at Tevatron Run II from Chargino-Neutralino Production in Low Pt Di-muon Channel

VLADIMIR REKOVIC, JOHN STROLOGAS, MICHAEL GOLD, University of New Mexico, CDF COLLABORATION — Minimal Supersymmetric Standard Model (MSSM) predicts the production of tri-lepton events at the Tevatron via chargino-neutralino production. We will present our sensitivity to discovery of this production in low Pt di-muon channel. We use the data set with some 800 pb$^{-1}$ of data taken by the CDF-II detector during Run II of the Tevatron, which is about eight times the data collected in Run I of Tevatron.

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