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**Measurement of Dijet Azimuthal Decorrelations in Proton-Antiproton Collisions at  $\sqrt{s} = 1.96$  TeV** KIRAN CHAKRAVARTHULA, Louisiana Tech University, D0 COLLABORATION — Azimuthal decorrelations of dijets have been measured in collisions of proton and anti-protons at  $\sqrt{s} = 1.96$  TeV with the D0 detector at the Fermilab Tevatron Collider. The transverse jet momentum dependence is measured in different regions of the dijet scattering angle. The results are compared with predictions from perturbative QCD at next-to-leading order in the strong coupling constant.

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