

Abstract Submitted
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Event Shapes at the Tevatron LESTER PINERA, ANDREY KORYTOV, University of Florida, ALEXANDER PRONKO, Fermilab, CDF COLLABORATION — We present a complementary set of “Indirectly Global Event Shapes” proposed for study at hadron colliders. These observables are designed to reconcile the seemingly conflicting theoretical requirement of “globalness” with the realities of the hadron collider environment—namely, the limited detector coverage in the forward region. Of particular interest is the study of event shape distributions as a means of understanding non-perturbative hadronization effects. Specifically, these are considered within the Dokshitzer-Marchesini-Weber (DMW) analytical model of power corrections. We present a preliminary account of two observables, the central transverse thrust and thrust minor, as measured using the CDF detector at the Tevatron.

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