Abstract Submitted
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New techniques for improving SM Higgs search in the transverse missing energy plus jets final state at CDF QIUGUANG LIU, Purdue University, CDF COLLABORATION — We present new techniques for improving standard Model (SM) Higgs searches in the transverse missing energy plus jets final state. These searches are performed with data collected by the CDF detector from $p\overline{p}$ collisions at $\sqrt{s} = 1.96$ TeV at the Fermilab Tevatron Collider. A data-driven model for modeling the multi-jet background, a background reduction method based on a tracking-related measure of the missing energy, and other advanced analysis techniques designed to increase search sensitivity will be shown.

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