Top Quark Mass Measurement in the All-hadronic Channel\textsuperscript{1} GHE-ORGHE LUNGU, Univ. of Florida, CDF COLLABORATION — We present here a preliminary measurement of the top quark mass in the all-jet final state, where both W’s decay hadronically. The measurement is performed using $p\bar{p}$ collision data at $\sqrt{s} = 1.96$ TeV at the Collider Detector at Fermilab. The method employed uses matrix element information to weigh each event configuration according to the probability for it to originate from ttbar production and decay at a given top mass. All the event probabilities are multiplied to yield a total likelihood which depends on the top mass. The estimated mass is the value at which the total likelihood is minimized.

\textsuperscript{1}For the CDF Collaboration

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