

Abstract Submitted
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Direct CP Violation in the B_s^0 meson FABRIZIO RUFFINI, INFN-Pisa, CDF COLLABORATION — The $B_s^0 \rightarrow K^- \pi^+$ decay mode, recently observed at CDF, is a good candidate for observing direct CP violation in the B_s^0 , and offers a unique opportunity for testing the reliability of Standard Model predictions, especially in the light of the large asymmetry observed in the $B^0 \rightarrow K^+ \pi^-$ mode. We describe the latest update of this measurement, using an improved analysis method, and a data set of about 5 fb^{-1} of $p\bar{p}$ collisions collected by the upgraded CDF detector.

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