

INTERNATIONAL CONFERENCE ON HIGH ENERGY PHYSICS
AMSTERDAM 2002

Abstract ID=ABS519

Hadron spectroscopy and exotics (experiment and theory)
Heavy quark mesons and baryons (incl. lattice calculations)

Experiment: CDF

Contact Person: D.Glenzinski

Institute: FNAL

Email: douglasg@fnal.gov

Search for $\eta_b \rightarrow J/\psi J/\psi$ at CDF

CDF

Abstract

A search for η_b production and decay to $J/\psi J/\psi$ is made in 100 pb^{-1} of $p\bar{p}$ data taken at CDF at the Fermilab Tevatron. The J/ψ decays are reconstructed in dilepton (e^+e^- , $\mu^+\mu^-$) decay modes. A limit on the product of cross section and branching fractions is calculated, and the properties of events in the signal region are shown. We also summarize prospects for future searches at the Tevatron.

Version 0

Date 2002-04-30 : 15:55:33'