

Abstract Submitted
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$B_c \rightarrow J/\psi + \mu^\pm$ decays at CDF MARK HARTZ, University of Pittsburgh, CDF COLLABORATION — We report on a study of the B_c meson in the semileptonic decay mode $B_c \rightarrow J/\psi + \mu^\pm X$ with $J/\psi \rightarrow \mu^+ \mu^-$ using 360 pb^{-1} of data collected at the CDF detector during Run II of the Fermilab Tevatron. We examine the sources of background and report on the status of establishing a B_c signal over the predicted background. The possible uses of the data to determine the B_c lifetime, mass, and the ratio $\frac{\sigma BR(B_c \rightarrow J/\psi \mu^\pm X)}{\sigma BR(B^\pm \rightarrow J/\psi K^\pm)}$ are discussed and some preliminary results presented.

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