Abstract Submitted
for the APR08 Meeting of
The American Physical Society

Search for Technicolor Particles Produced in Association with a W Boson at CDF YOSHIKAZU NAGAI, TATSUYA MASUBUCHI, Tsukuba, WEI-MING YAO, Lawrence Berkeley National Lab, CDF COLLABORATION — We present a search for the technicolor particles ($\rho_T \to \pi_T + W$) decaying to $b\bar{b}$ and in association with W boson in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. A dataset corresponding to an integrated luminosity of 1.9fb^{-1} is used in this analysis. Selected events have one high-p_T electron or muon, missing E_T and two b-jets. In order to improve the sensitivity we make use of b-tagging techniques to identify and categorized events with one or two b-tagged jets. We set a 95% confidence level upper limit on the production cross section times branching ratio as a function of the mass of the technicolor particles involved in the interaction.

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Date submitted: 10 Jan 2008 Electronic form version 1.4