Abstract Submitted
for the APR12 Meeting of
The American Physical Society

Angular Distribution of Muon Pairs Produced by the Drell-Yan Mechanism Compared to an Exotic Model of Contact Interactions for High Energy p-p Collisions CHAMATH KOTTACHCHI, Wayne State University — The Pythia Monte Carlo program is used to simulate the angular distributions of oppositely charged pairs of muons porduced in p-p collision at $\sqrt{s}$=7 TeV. The distributions are evaluated in the context of standard model Drell-Yan production and an exotic left-handed current model of quark-lepton interactions. The angular distribution in the rest-frame of the muon pair is characterized by the mean cosine of the angle between the negative muon and the boost direction. We report the dependence of the mean cosine on the invariant mass of the pair and the energy scale parameter of the exotic model.

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Date submitted: 09 Jan 2012 Electronic form version 1.4