

# XX International Workshop on Deep-Inelastic Scattering and Related Subjects



Contribution ID: 202

Type: **not specified**

## Production of HF and quarkonia at CDF

*Wednesday, 28 March 2012 14:24 (18 minutes)*

We report recent studies on heavy flavor production in 1.96 TeV proton-antiproton collisions collected by the CDF detector. These include a new measurement of the spin-alignment of  $Y$  mesons using dimuon decays in  $6.7 \text{ fb}^{-1}$  of data. This measurement is the first to report the full angular distributions of dimuons as functions of  $Y$  transverse momentum in both the Collins-Soper and  $s$ -channel helicity frames. This is also the first measurement of spin alignment of  $Y(3S)$  mesons.

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**Session Classification:** Heavy flavours

**Track Classification:** Heavy flavours