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Polarization of Υ Mesons Produced in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1.96 TeV JAMES THOME, Carnegie Mellon University, CDF COLLABORATION — We measure the polarization of Υ mesons in the $\Upsilon(1S)$, $\Upsilon(2S)$ and $\Upsilon(3S)$ states as a function of their transverse momentum p_T in the s-channel helicity frame. The analysis uses Υ mesons produced in the rapidity range $|y| < 0.6$. The measurement is performed using a data sample of $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV with an integrated luminosity of > 3 fb^{-1} collected with the CDF II detector at the Fermilab Tevatron. The results are compared to theoretical predictions.

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