Abstract Submitted for the APR05 Meeting of The American Physical Society

 J/ψ Spin Alignment in $p\overline{p}$ Collisions at $\sqrt{s}=1.96$ TeV MIN-JEONG KIM, Carnegie Mellon, CDF COLLABORATION — We have measured the spin alignment of prompt J/ψ mesons produced in $p\overline{p}$ collisions at $\sqrt{s}=1.96$ TeV using data collected by CDF II detector. The J/ψ mesons are reconstructed by $J/\psi \to \mu\mu$ decays and promptly produced J/ψ mesons are separated from those produced in B-hadron decay using the impact parameter information of muons. The polarization is measured over the kinematic range $4 < p_T < 30$ GeV/c and $|y(J/\psi)| < 0.6$.

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Date submitted: 18 Jan 2005 Electronic form version 1.4