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**$J/\psi$  Spin Alignment in  $p\bar{p}$  Collisions at  $\sqrt{s} = 1.96$  TeV**  
MIN-JEONG KIM, Carnegie Mellon, CDF COLLABORATION — We have measured the spin alignment of prompt  $J/\psi$  mesons produced in  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV using data collected by CDF II detector. The  $J/\psi$  mesons are reconstructed by  $J/\psi \rightarrow \mu\mu$  decays and promptly produced  $J/\psi$  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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Min-Jeong Kim  
mjkim@fnal.gov  
Carnegie Mellon

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