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High- p_T J/Ψ production in p+p collisions at $\sqrt{s}=200$ GeV ZEBO TANG, USTC/BNL, LIJUAN RUAN, ZHANGBU XU, BNL, STAR COLLABORATION — We report our preliminary analysis of high- p_T $J/\Psi \rightarrow e^+e^-$ production at $p_T \sim 6$ GeV/ c at mid-rapidity in p+p collisions at $\sqrt{s}=200$ GeV. The datasets are from RHIC run V and VI, sampling more than a few hundreds($\text{nb})^{-1}$ of p+p collisions in a trigger on energy deposit in Electromagnetic Calorimeter with energy threshold of $\sim > 2.6$ GeV. This provides a baseline for future study of J/Ψ suppression at high- p_T in heavy-ion collisions at RHIC.

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