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Upsilon Production in STAR PIBERO DJAWOTHO, Indiana University Cyclotron Facility, STAR COLLABORATION — In the hot and dense matter produced in relativistic heavy-ion collisions, the creation of a quark-gluon plasma is expected to modify the production of quarkonia, significantly suppressing their yields. However, the ground state of the Upsilon is not expected to melt at RHIC energies and thus can be used as a standard candle. As a baseline for any estimate of suppression, the production in p+p collisions is mandatory. We present preliminary results on Upsilon measurements in p+p collisions at sqrt(s)=200 GeV via the dielectron decay channel in the midrapidity region. A dedicated trigger was used to enhance the Upsilon samples. We compare the results to perturbative calculations and previous measurements as well as present prospects for future analyses and measurements at STAR.

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