

Abstract Submitted  
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**Measurement of heavy quark production through the semi-leptonic decay channel in d+Au and p+p collisions at RHIC** WEIJIANG DONG, UCLA, STAR COLLABORATION — We present preliminary results of electron/positron  $p_T$  spectra from semi-leptonic decays of heavy quarks in d+Au and p+p collisions at  $\sqrt{s_{NN}} = 200$  GeV. The measured  $p_T$  ranges from 1.5 GeV/c to 11.5 GeV/c for p+p and to 13.5 GeV/c for d+Au collisions. Implications on the charm and bottom production cross section will be discussed. Status of the analysis of RHIC RUN 4 Au+Au 200 GeV data will also be presented.

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