RECENT RESULTS ON HEAVY FLAVOR PRODUCTION AT RHIC-PHENIX

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Heavy flavor production is a useful probe to study the property of the strongly coupled quark gluon plasma created in high-energy heavy-ion collisions. A strong suppression of inclusive heavy flavor was observed from the measurement of single electrons from heavy flavor decays. To further investigate the heavy flavor suppression, we separate the bottom and charm production using the precise tracking by the PHENIX Silicon Vertex Detector installed at mid-rapidity and forward rapidity. This talk will present the recent results of separated charm and bottom production in Au+Au collisions at the mid-rapidity and bottom production in Cu+Au collisions at forward rapidity.