

Abstract Submitted
for the FWS14 Meeting of
The American Physical Society

Performance of a Newly Installed Muon Telescope Detector in the STAR Experiment at RHIC KATHRYN MEEHAN, UC Davis — The Muon Telescope Detector (MTD) has recently been installed into the STAR experiment at the Relativistic Heavy Ion Collider (RHIC). Heavy ion collisions allow us to create quark gluon plasma (QGP) in the laboratory and to study strong interactions. The new detector enables STAR to detect muons from quarkonia decays. This opens a new, cleaner channel to study particles that give an insight into thermodynamic properties of the QGP. The MTD will allow us to measure quarkonia production at RHIC with unprecedented precision. Performance plots of the MTD in the 2014 run will be shown.

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Date submitted: 09 Oct 2014

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