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Hardware Upgrades to Increase Performance of Muon Tracking on PHENIX DALLAS MAY, Abilene Christian University, PHENIX COLLABORATION — After the proton-proton run of 2005, it was decided to implement a hardware upgrade for the higher luminosity runs of the heavy ions. By making the upgrades to low voltage distribution and the Glink/Clink crates of the Muon Tracker on the north and south arms, we increase the performance of the detector by decrease the down time needed for repairs. Each of these upgrades make it far easier and quicker to service individual circuit boards if and when they fail. These upgrades allow for increased uptime so that the most data can be acquired from the heavy ion collisions produced in RHIC. These collisions produce the very exotic J/Psi particles. These particles are desired for the exploration of the Quark-Gluon Plasma, which is believed to be the state of matter existing in the universe shortly after the Big Bang.

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