

# The 2nd International Conference on the Initial Stages in High-Energy Nuclear Collisions

Contribution ID: 97

Type: **not specified**

## Heavy Flavor Results in Cold Nuclear Matter from PHENIX

*Friday 5 December 2014 15:00 (20 minutes)*

Charm and bottom quarks, formed primarily from gluon fusion in the initial hard scatterings at RHIC, provide a rich probe with which to study the many interesting physics effects present in p(d)+A collisions including energy loss, gluon saturation, and nuclear parton distribution modification. By measuring the production of both open heavy flavor and closed heavy flavor, in the form of quarkonia, over a broad range in pT and rapidity we hope to be able to disentangle these often competing effects. This talk will review the current set of measurements on heavy flavor production in d+Au collisions from PHENIX, as well as prospects for future p+A running.

**Author:** MCGLINCHEY, Darren (University of Colorado)

**Presenter:** MCGLINCHEY, Darren (University of Colorado)

**Session Classification:** Cabernet-2