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Heavy Flavor Results in Cold Nuclear Matter from PHENIX

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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 p_T 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.

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