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Nuclear suppression in p-A collisions from induced gluon radiation

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In high-energy p-A collisions, hadron production at large enough rapidity and moderate p_T is suppressed compared to p-p collisions. An important effect contributing to such a nuclear suppression is the medium-induced, coherent gluon radiation associated to the underlying partonic process. I will review the main features of induced coherent radiation, and show the predictions for quarkonium and light hadron nuclear suppression of a simple phenomenological model based on this effect.

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