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Coherent energy loss and the production of hadrons in nuclear collisions

Thursday, 30 July 2015 14:00 (30 minutes)

Over the last few years we have shown that coherent energy loss in cold nuclear matter could play a decisive role in the production of hadrons in nuclear collisions. In the first part of the talk I will review our current understanding of coherent energy loss and its phenomenological consequences on quarkonium suppression in p–A and A–A collisions, from fixed target to collider energies. The second part of the talk will be devoted to the quenching of light hadron spectra in p–A collisions due to coherent energy loss effects.

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