

$\bar{d}14$ 1st cosmic ray antideuteron workshop

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Hadronization Dependence in Antideuteron Production

Friday, June 6, 2014 3:00 PM (30 minutes)

I will discuss the influence of hadronization on antideuteron formation. Antideuteron production in the coalescence model depends on momentum differences between nucleons that are small compared to Λ_{QCD} , which makes the process highly sensitive to the hadronization model employed. I will further discuss the prospects of reducing the uncertainty from hadronization by tuning Monte Carlo generators specifically for antideuteron production.

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