

# **1st cosmic ray antideuteron workshop**

Contribution ID: **10**

Type: **not specified**

## **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  $\Lambda_{\text{QCD}}$ , 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.

**Primary author:** DAL, Lars Andreas (University of Oslo)

**Presenter:** DAL, Lars Andreas (University of Oslo)