d14 1st cosmic ray antideuteron workshop

Contribution ID: **1** Type: **not specified**

Antinuclei in space: a historical introduction

Thursday, June 5, 2014 9:10 AM (30 minutes)

As one of the crazy guys who started working in the field, I will present a short historical introduction to the production and propagation of antinuclei in space. I will summarize the essential ingredients – the factorization scheme, the coalescence momentum, the importance of kinematics in disentangling between secondary and dark matter antideuterons, spherical versus boosted coalescence – as well as the main steps and associated papers during the evolution of the field. I will conclude by presenting the current state of the art and associated open questions.

Author: SALATI, Pierre (Laboratoire d'Annecy-le-Vieux de Physique Théorique LAPTh)

Presenter: SALATI, Pierre (Laboratoire d'Annecy-le-Vieux de Physique Théorique LAPTh)