

1st cosmic ray antideuteron workshop

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Status and challenges of the coalescence model

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One key ingredient in the calculation of the antideuteron yield from both dark matter annihilations and cosmic ray spallations is the coalescence model, which is the phenomenological description of the formation of antideuterons from antiproton-antineutron pairs. In this talk, I will discuss the status and challenges of the coalescence model, as well as the resulting uncertainties in the prediction of antideuteron fluxes.

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