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## Properties of Cosmic Deuteron and $^3\text{He}$

*Thursday, 7 July 2022 17:45 (15 minutes)*

Deuterons and  $^3\text{He}$  represent a few per cent of the cosmic-ray nuclei. They are mainly produced by fragmentation reactions of primary cosmic  $^4\text{He}$  nuclei on the interstellar medium and represent a very sensitive tool to verify and constrain CR propagation models in the galaxy, providing additional information to that of the cosmic B/C ratio. Precision measurements of the deuteron and  $^3\text{He}$  fluxes obtained with a high-statistics data sample collected by the AMS-02 aboard the International Space Station will be presented.

### In-person participation

Yes

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