

of supersymmetric relics in the galactic halo. To this aim, the energy spectrum of the secondary component should be well understood. Unfortunately, it is still spoilt by considerable theoretical uncertainties.

Searches for low-energy antideuteron appear in the mean time as a plausible alternative, worth being explored.

Above a few GeV/n, a dozen spallation antideuterons should be collected by the future AMS experiment on board ISS.

For energies less than ~ 3 GeV/n, the antideuteron spallation component becomes negligible and may be supplanted by a potential supersymmetric signal. If a few low-energy antideuterons are discovered, this should be seriously taken as a clue for the existence of massive neutralinos in the Milky Way.

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Monique Duval ☎ 74924
monique.duval@cern.ch

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francoise.benz@cern.ch

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