

The present and the future of hypernuclei at the LHC

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Over the past decade, significant progress has been made in understanding (anti)(hyper)nucleosynthesis at hadronic colliders, such as the Large Hadron Collider (LHC). Research on the production of antinuclei and hypernuclei has broadened our understanding of the field, with the ALICE experiment playing a pivotal role. As we look towards the future, new experiments and detector technologies at the LHC promise to further advance the study of (anti)(hyper)nuclei.

This presentation will discuss the emerging opportunities for hypernuclei measurements at hadronic colliders, focusing on the LHC. We will explore the prospects of current and future experiments, highlighting their potential for expanding our knowledge of (anti)(hyper)nuclei production mechanisms, interaction cross-sections, and nuclear structure.

Primary author: Dr PUCCIO, Maximiliano (CERN)

Presenter: Dr PUCCIO, Maximiliano (CERN)

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