

Cosmic ray backgrounds at the NNBAR experiment

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The NNBAR experiment would look for neutrons transforming to antineutrons with a sensitivity improvement of three orders of magnitude compared with the previous search. At the last search, cosmic particles were the dominant background. Understanding the signature that cosmic particles leave in the NNBAR detector is therefore crucial. In this talk, predictions of cosmic ray backgrounds made with the CRY model and interfaced to a NNBAR detector simulation are shown. The strategy for dealing with this background is also described.

Abstract Track

Flash talk, Instrumentation

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