

Latest results on the search for WIMPs with XENONnT

The primary goal of the XENONnT experiment is to search for weakly interacting massive particles (WIMPs), a leading theoretical candidate for dark matter. In its second science run, XENONnT accumulated a total live time of ~ 186 days. During this run, the radon removal system was operated in high-flow mode, achieving a significant reduction of about 50% in the concentration of Rn-222 compared to the first science run. In this talk, I will present the XENONnT's latest results from a blind analysis to search for WIMPs with a mass above $10 \text{ GeV}/c^2$ combining both first and second science runs for a total live time of ~ 283 days.

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