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Recent Results from the XENONnT Experiment

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The XENONnT experiment, operating since 2020, is at the forefront of the quest for the dark matter candidate Weakly Interacting Massive Particles (WIMPs), leveraging a 5.9-tonne liquid xenon target. Its world-leading lowest electronic recoil background has also rendered it a versatile instrument for investigating a broad spectrum of phenomena beyond the Standard Model. This talk will focus on the latest results from XENONnT, providing an overview of the experiment and insights into the data analysis methods employed.

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