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XENONnT - The next step in XENON Dark Matter Search

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The XENON series of experiments has been highly successful in pushing the limits of WIMP direct searches for more than a decade. With the currently most sensitive DM experiment XENON1T still taking data, the collaboration is preparing the next step, the upgraded and upscaled XENONnT. This new experiment is making use of many infrastructures and systems built for XENON1T, located at the LNGS underground laboratory in Italy. The goal of XENONnT is to explore parameter space for spin-independent WIMP interactions down to of $2 \times 10^{-48} \text{ cm}^2$ by lowering the background level by an order of magnitude compared to XENON1T, and increasing exposure up to 20 ton years. This talk will provide an update on status and prospects of the XENONnT phase.

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