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## Improving the sensitivity to low-mass WIMPs with XENON detectors

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Dark matter experiments based on dual-phase Xe TPCs such as XENON100 and the upcoming XENON1T currently place the most stringent limits on the spin-independent WIMP-nucleon cross section for WIMP masses above  $10\text{GeV}/c^2$ . In this talk, strategies to improve the sensitivity to lower WIMP masses such as using only the charge signal or increasing the light collection efficiency will be discussed.

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