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## Search for Dark Matter with the PICO Experiment

*Wednesday, 10 August 2022 16:10 (20 minutes)*

The PICO collaboration searches for WIMPs using large superheated liquid detectors, or bubble chambers. Recent results from the complete exposure of the PICO-60  $C_3F_8$  detector at SNOLAB set the world's most stringent limits on WIMP-proton spin-dependent interactions. I will present the current status of the construction and physics potential of the next generation, tonne-scale experiment at SNOLAB: PICO-500.

### Collaboration name

PICO

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**Session Classification:** Dark Matter

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