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## Direct Dark Matter Search with the DarkSide Liquid Argon TPC

*Thursday 26 September 2019 14:40 (20 minutes)*

The DarkSide experiment is designed for the direct detection of WIMPs by means of a double phase liquid argon TPC, inserted inside a double system of active vetoes. The current detector, DarkSide-50, is running with a 50 kg fiducial mass underground argon fill.

The results of DarkSide-50 will be discussed before presenting the larger 20 tonnes project, DarkSide-20k.

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**Session Classification:** Thursday evening talks