

DarkSide-50 experiment status

DarkSide-50 is the dual phase argon time projection chamber detector with an active mass of 50 kg of underground argon. It is a unique detector, featuring powerful active neutron veto, capable of achieving background-free conditions. It is designed to reach a sensitivity of 10^{-45} cm^2 and is currently under construction at Laboratori Nazionali del Gran Sasso in Italy. Status of the experiment will be presented.

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Track Classification: Dark Matter