

Recent results from Dark Matter searches with EDELWEISS

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EDELWEISS is a phased direct Dark Matter search program based on cryogenic high purity Ge mono-crystals. The simultaneous measurement of heat via thermal sensors (NTDs) and ionization allows for discrimination of nuclear and electron recoils. Based on electronic recoils, a search for axions and axion-like particles in the keV mass range can be performed. With an optimized setup of phonon readout, first limits for sub-GeV spin-independent Dark Matter searches with Ge targets were achieved. These searches have been extended to Strongly Interacting Massive Particles (SIMPs) down to 45 MeV by exploiting the Migdal effect. Recent results and prospects for the ongoing DM searches will be presented.

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