

Status of CRESST

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CRESST-III (Cryogenic Rare Event Search with Superconducting Thermometers) installed at Laboratori Nazionali del Gran Sasso, is looking to directly detect dark matter particles scattering off CaWO₄ target nuclei in cryogenic detectors. Thanks to its energy threshold $O(30 \text{ eV})$, CRESST-III is particularly suitable in probing sub-GeV DM masses. This contribution presents an overview of CRESST-III, reporting the latest DM results and plans for the future. Recent achievements are discussed on the Low Energy Excess (LEE), an unexplained rise of events at low energies ($<200 \text{ eV}$). The most recent experimental campaign, using the Double TES approach to identify the origin of LEE and reject this background, is also discussed.

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