



Contribution ID: 169

Type: Oral presentation

Recent developments and results on double beta decays with crystal scintillators and HPGe spectrometry

Saturday, July 7, 2018 3:30 PM (30 minutes)

Recent developments, results and perspectives in double beta decay experiments at LNGS by using HPGe detectors and crystal scintillators, various approaches and various isotopes, will be presented. The measurements here presented have been performed in experimental set-ups of the DAMA collaboration. These set-ups are optimized for low-background studies and operate deep underground at the National Laboratories of Gran Sasso of INFN. The presented results are of great interest in this field and for some of the considered isotopes the reached sensitivity is one of the best available up to now.

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Session Classification: Special session on Astro-Cosmo-Gravity