



Contribution ID: 317

Type: **Oral presentation**

## Highlights from GERDA project

*Saturday, July 7, 2018 12:30 PM (30 minutes)*

GERDA (Germanium Detector Array) is an experimental project searching for Neutrinoless Double Beta Decay of Ge-76. It is operational at Laboratori Nazionali Del Gran Sasso of INFN, since 2009, it underwent a couple of upgrades with the aim of increasing the Exposed mass, while improving the Signal to Background Discrimination, the Background Index, while keeping the excellent stability and resolution performances that since the first steps characterize the setup.

At present GERDA is the DBD project with the lowest background and the best energy resolution at the region of interest, i.e. at  $Q_{\beta\beta}$ , that for Ge-76 is 2039.0 keV.

In the last weeks GERDA updated for the 4th time its physics results.

In this talk the main experimental facts, performances and the updated physics results will be reviewed as well as the future outlooks.

**Primary author:** Dr CATTADORI, Carla Maria (INFN Milano Bicocca)

**Presenter:** Dr CATTADORI, Carla Maria (INFN Milano Bicocca)

**Session Classification:** Special session on Astro-Cosmo-Gravity