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## Status of the GERDA Phase II experiment.

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The GERDA (GERmanium Detector Array) experiment, located at the Laboratori Nazionali del Gran Sasso (LNGS) in Italy, is one of the leading experiments searching for neutrinoless double beta decay ( $0\nu\beta\beta$ ). Bare semiconductor detectors made of germanium enriched in Ge-76 isotope are operated in a cryostat filled with liquid argon. In Phase II of the experiment 35.6 kg of enriched germanium detectors are deployed. Application of active background rejection methods, such as a liquid argon scintillation light read-out and pulse shape discrimination of detector signals, allowed to reduce the background index to less than  $10^{-3}$  cts/(keV·kg·yr). The half-life sensitivity for  $0\nu\beta\beta$  decay achieved by GERDA Phase II overpassed  $10^{26}$  years first time ever. Recently the hardware upgrade of the experiment has been performed. At the conference the status of GERDA Phase II after the upgrade will be presented.

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