

## The LEGEND program - search for neutrinoless double beta decay in Ge-76

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The Large Enriched Germanium Experiment for Neutrinoless  $\beta\beta$  Decay (LEGEND) is a phased experimental effort to search for neutrinoless double-beta decay in  $^{76}\text{Ge}$ . The first phase uses existing resources building off the experiences of the Majorana and GERDA experiments, as well as new techniques like larger inverted coaxial detectors and an improved Argon detector system. It consists of 200 kg of  $^{76}\text{Ge}$  enriched germanium, and assembly and testing of components has begun. The collaboration is planning to start commissioning in the second half of this year. I will give an overview on the status of the effort and also on its proposed successor, LEGEND-1000. My presentation will also cover LEGENDs physics reach, its design, its ongoing R\&D, and further efforts that are necessary to deploy an experiment with an half-life discovery potential of beyond  $10^{28}$  years half-life for neutrinoless double beta decay.

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**Primary author(s)** : MASSARCZYK, Ralph (Los Alamos National Laboratory)

**Presenter(s)** : MASSARCZYK, Ralph (Los Alamos National Laboratory)

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