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## Status of the LEGEND Neutrinoless Double Beta Decay Search

The LEGEND collaboration is searching for the ultra-rare process of neutrinoless double beta decay in  $^{76}\text{Ge}$ . The discovery of this decay would establish that the neutrino is its own antiparticle, with far-reaching implications in explaining the matter-antimatter asymmetry in our universe. A ton-scale array of germanium detectors, fabricated with ultra-low background materials and operated in a scintillating liquid argon veto, can make a discovery at a half-life beyond  $10^{28}$  years, more than an order-of-magnitude advance over current-generation experiments. The first stage, LEGEND-200, is under construction at LNGS, with detectors in production and commissioning data being analyzed. R&D for LEGEND-1000 is also underway, with an ultimate goal of reducing radioactive backgrounds at the  $^{76}\text{Ge}$  decay energy (2039 keV) to a world-leading  $< 0.03$  cts/(FWHM-t-yr). In this work, I present the current outlook for LEGEND.

### Mini-abstract

We present the construction status and outlook for our search for lepton-number violation in  $^{76}\text{Ge}$ .

### Experiment/Collaboration

LEGEND

**Primary author:** Dr WISEMAN, Clinton (University of Washington)

**Presenter:** Dr WISEMAN, Clinton (University of Washington)

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