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## The search for neutrinoless double beta decay with LEGEND: status and outlook

*Wednesday, July 5, 2023 5:00 PM (25 minutes)*

LEGEND-200, the first phase of the Large Enriched Germanium Experiment for Neutrinoless double beta Decay, has recently started physics operations at the Gran Sasso National Laboratory. LEGEND will have unmatched discovery power in the field, potentially enabling the discovery that lepton number is not a fundamental symmetry in nature and that neutrinos are their own antiparticles. This talk will present initial performance results from LEGEND-200, with the focus on the Germanium detectors. The progress towards the realisation of the next phase of the project, LEGEND-1000, will also be discussed.

**Primary author:** MARSHALL, George (University College London)

**Presenter:** MARSHALL, George (University College London)

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