

## Neutrinoless double beta decay with EXO-200 and nEXO

*Monday, 2 July 2018 11:30 (30 minutes)*

Large and homogeneous TPCs using enriched liquid xenon have proven to be excellent tools in the search for neutrinoless double beta decay with ultra-low background and state of the art sensitivity. I will report on the physics results obtained with EXO-200, a 200kg detector currently taking data, and on the plans for nEXO, a 5-tonne detector with sufficient sensitivity to entirely cover the inverted hierarchy region.

**Primary author:** Prof. GRATTA, Giorgio (Stanford University)

**Presenter:** Prof. GRATTA, Giorgio (Stanford University)

**Session Classification:** Plenary Session 6