

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.

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Session Classification: Plenary Session 6