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## Status of the NEXT experiment

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Neutrinos may be Majorana particles. If so, neutrinoless double beta decay processes could be observed by the next-generation  $0\nu\beta\beta$  experiments. I will briefly discuss one of the most promising ideas in the field, the use of a High Pressure Gas Xenon TPC (HPGXe) with electroluminescence gain and optical readout. A 100 kg incarnation of such a device will start operations at the Canfranc Underground Lab in Spain in 2015. The technology can be extrapolated to 1 ton, and thus lead the exploration of the inverse hierarchy in Majorana landscape.

### Summary

**Primary author(s)** : GOMEZ CADENAS, juan jose (IFIC)

**Co-author(s)** : Dr. FERRARIO, Paola (IFIC)

**Presenter(s)** : GOMEZ CADENAS, juan jose (IFIC)

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