

## Status and perspectives of the NEXT program

*Saturday, 30 June 2018 15:30 (30 minutes)*

The NEXT program is developing the technology of high pressure xenon chamber TPCs with electroluminescent readout for neutrinoless double beta decay searches. In this talk I will present the current status of the project, which is operating a 10-kg demonstrator (NEXT-White) in the underground laboratory of Canfranc, in Spain, and starting the construction of a 100 kg detector (NEXT-100). I will also describe the prospects for extending the technology to the ton-scale.

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