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## Sterile neutrino search with the SOX project

*Friday, 7 July 2017 10:30 (15 minutes)*

The SOX project aims at searching eV scale sterile neutrinos by means of a powerful anti-neutrino source located very close to the Borexino detector at the Gran Sasso Laboratory in Italy

The source will be made with a sample of Ce-144 completely shielded by a thick tungsten container and will be located at 8.25 m from the center of the Borexino detector. The total activity will be around 150 KCi and it will be precisely determined by calorimetric measurements.

The talk will describe the details of the experiment and the expected sensitivity.

### Experimental Collaboration

SOX

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