Contribution ID: **205** Type: **Poster solar**

Solar boron-8 neutrino detection with the LZ dark matter experiment

We present the projected sensitivity of the LUX-ZEPLIN (LZ) dark matter experiment to solar boron-8 neutrinos detected via coherent elastic neutrino-nucleus scattering, and the physics prospects opened by such a measurement with the LZ detector.

Authorship annotation

for the LZ collaboration

Session and Location

Wednesday Session, Poster Wall #34 (Auditorium Gallery Right)

Poster included in proceedings:

yes

Primary author: Dr LOPEZ PAREDES, Brais (Imperial College London)

Co-authors: Mr OLCINA, Ibles (Imperial College London); Ms MARANGOU, Nellie (Imperial College London)

Presenter: Dr LOPEZ PAREDES, Brais (Imperial College London)

Track Classification: Poster (not participating in poster prize competition)