



Contribution ID: 26

Type: Oral

## Neutrinoless double beta decay: the CUPID-0 experiment.

*Thursday, 19 October 2017 15:50 (20 minutes)*

CUPID-0 is the first step of a next generation project based on cryogenic calorimeters equipped with light detectors for particle identification. The  $Zn^{82}Se$  crystal array of CUPID0 (~2x10<sup>25</sup> 0nDBD emitters) is in operation at Laboratori Nazionali del Gran Sasso since the beginning of 2017.

In this contribution we present the status and the preliminary results of the experiment as well as the perspectives of a next generation project based on this technology.

**Primary author:** Dr PAVAN, Maura (MIB)

**Presenter:** Dr PAVAN, Maura (MIB)

**Session Classification:** Parallel