

CUORE

Thursday, 7 May 2015 11:50 (15 minutes)

The Cryogenic Underground Observatory for Rare Events (CUORE) is a large-scale double beta decay experiment based on cryogenic bolometers. Its primary goal is to observe neutrino-less double beta decay and measure Majorana neutrino masses with a projected sensitivity reaching the so-called inverted mass hierarchy region. A single CUORE-like tower, CUORE-0, assembled with 52 CUORE-like bolometers has started taking data in spring 2013.

In the talk, the results from CUORE-0 will be discussed and the status and the physics potential of CUORE will be presented.

Presenter: CANONICA, Lucia (LNGS)