

The COBRA double beta decay experiment

The COBRA experiment is searching for double beta decay using CdZnTe semiconductor detectors. The main focus is on the isotope Cd-116. In addition to pure energy measurements pixelisation allows also for tracking capabilities, this kind of semiconductor tracker is quite unique in the field. The current status of the experiment is shown including the latest half-life limits. Background measurements from both types of detectors are presented and an outlook for planned upgrades is presented.

Author: Prof. ZUBER, Kai (Technische Universitaet Dresden)

Presenter: Prof. ZUBER, Kai (Technische Universitaet Dresden)