



Contribution ID: 35

Type: **not specified**

Background simulation and control schemes in the CDEX-50 experiment

Thursday 25 April 2024 16:50 (20 minutes)

The CDEX program pursues the direct detection of light dark matter with germanium detectors since 2009 at the China Jinping Underground Laboratory (CJPL). Several searches related to WIMP dark matter have been carried out based on the CDEX-1 and CDEX-10 experiments. An upgraded dark matter experiment of the CDEX-50 is proposed and on-going together with the R&D programs on the key low radioactivity technologies, which aims to search for dark matter using a 50-kg germanium detector array. The CDEX-50 background simulation and background control schemes will be described and discussed.

Author: WANG, Junzheng

Presenter: WANG, Junzheng

Session Classification: Workshop