

Development of the database for low-background studies in Kamioka

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Content

Needless to say, it is important to select ultra-low background materials for dark matter and $0\nu\beta\beta$ detectors. All materials and components must be evaluated before the detector construction.

This presentation will focus on developing a database for such purpose based on the open source database, Persephone (radiopurity.org). The aim of this project is to share information on low-radioactivity materials measured by several techniques in Kamioka observatory among Japanese community. Improvements of the functions of the database and the typical contents will be shown. In addition, several running programs for screening low-radioactive materials at Kamioka will be discussed.

Summary

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