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Status and future prospect of the Kamioka ultra-low BG facility

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At the Kamioka Underground Laboratory, an inter-university facility named KERNEL has been organized to search for extremely rare phenomena.

This facility is necessary for the successful construction of the ultra-low BG KamLAND2 detector.

The facility will include the super-clean facility, the clean air system, the pure water system, and the experimental space for developing low radioactivity techniques.

In this presentation, I will present a status and the future prospects of the facility.

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