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## **CDEX-300 $\nu$ program for Ge-76 neutrinoless double beta decay search**

*Wednesday 30 August 2023 18:00 (15 minutes)*

Low background germanium detectors with excellent energy resolution are advantageous to search for  $^{76}\text{Ge}$  neutrinoless double beta decay process. We proposed an experimental program, CDEX-300 $\nu$ , using  $^{76}\text{Ge}$  enriched broad energy germanium detectors at China Jinping Underground Laboratory (CJPL). In this talk, I will focus on the preconceptual design and plan of the CDEX-300 $\nu$ . The preliminary R&D progress of detectors, electronics and low background techniques will also be introduced.

### **Submitted on behalf of a Collaboration?**

Yes

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