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PandaX-III Prototype detector

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The PandaX-III experiment is a high pressure TPC to search for neutrinoless double-beta decay of Xe-136 with high energy resolution and sensitivity at the China Jin Ping underground Laboratory II (CJPL-II). A prototype was built to demonstrate this concept. Microbulk Micromegas are used as a charge amplification and readout system of the prototype in order to reconstruct both the energy and track of the neutrinoless double-beta decay event. It was recently tested with gamma source at SJTU to calibrate the PandaX-III TPC and Micromegas performance.

Summary

Primary author: Mr LIN, Heng (Shanghai Jiao Tong University)

Presenter: Mr LIN, Heng (Shanghai Jiao Tong University)

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