## Low background stainless steel for PandaX-4T dark matter experiment

The PandaX-4T dark matter experiment includes a cryostat which contains 6T xenon at -100°C. The cryostat is the major component of the detector, which is made of low background stainless steel (SS). The SS contributes about 1/3 intrinsic background of the detector. In this talk, low background SS production process, cryostat fabrication process and possibility of suppressing SS radioactivity will be presented.

Author:ZHANG, Tao (Shanghai Jiao Tong University)Presenter:ZHANG, Tao (Shanghai Jiao Tong University)