

# Gordon Research Seminar in Particle Physics: Pushing the Frontiers of Particle Physics During the LHC Run II Era

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## 3 Ways of Dark Matter Search at XMASS

The XMASS program at Kamioka Observatory of Japan uses a self-shielding liquid xenon scintillator for the direct detection of dark matter and many other rare processes. The current running XMASS-I features 832kg ultra clean liquid xenon. Combined with low energy threshold of 0.3keV, XMASS-I is sensitive to low mass WIMPs and annual modulation search of dark matter.

**Presenter:** XU, Benda

**Session Classification:** Poster Session