

Recent results from XMASS

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XMASS is a multi-purpose experiment using a single-phase liquid-xenon scintillator detector located underground at Kamioka Observatory in Japan. We started the first data taking in December 2010 and conducted various dark matter searches such as light WIMPs, WIMP-129Xe inelastic scattering, and bosonic super-WIMPs. We are continuously taking data since November 2013. With these long-term data, we are conducting a search for annual modulation caused by dark matter. The XMASS detector is also capable of pursuing various researches in particle and astroparticle physics such as supernova neutrino observation, solar axion search, and double electron capture search. In this talk, we will present recent physics results from the XMASS data.

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