

# Results of DM-Ice17 and the First Data from COSINE-100

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DM-Ice is a phased experimental program using low-background NaI(Tl) crystals with the aim to unambiguously test the claim of dark matter detection by the DAMA experiment. DM-Ice17, consisting of 17 kg of NaI(Tl), has been continuously operating at a depth of 2457 m in the South Pole ice since December 2010. COSINE-100 is a joint collaboration between the DM-Ice and KIMS groups to search for dark matter annual modulation with NaI(Tl) crystal array. The first phase of the experiment consists of 8 NaI(Tl) crystals with total mass of ~106 kg and ~2000 liters of liquid scintillator as an active veto, situated at Yangyang underground laboratory in South Korea, and the physics run started in September 2016. The recent results of an annual modulation analysis with DM-Ice17 will be presented, along with the first data from COSINE-100.

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