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Status of the COSINE-100 Experiment[1] JAY HYUN JO, Yale University, COSINE-100 COLLABORATION — COSINE-100 is a dark matter direct detection experiment using low-background NaI(Tl) crystals to test the DAMA collaborations claimed detection of the dark matter annual modulation. The first phase of the experiment, situated at Yangyang Underground Laboratory in South Korea, consists of 8 NaI(Tl) crystals with a total mass of 106 kg and 2000 L of liquid scintillator as an active veto. The physics run of the experiment began in September 2016. The current status of the COSINE-100 experiment will be presented including the experimental design, detector installation, and the initial performance of the experiment. The most recent development of physics analyses, including the WIMP cross-section measurement and annual modulation analysis, will also be discussed.

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