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Status of the KIMS-NaI experiment

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A number of experiments are operating around the world that search for WIMP, one of the Dark Matter candidates. Among these experiments, DAMA is unique in that it has consistently claimed the observation an annual WIMP modulation signal while others rule out the DAMA signal region in the parameter space. The KIMS-NaI experiment aims to confirm the DAMA observation unambiguously using same type of crystal detectors (NaI(Tl)). We have developed low-background NaI(Tl) crystals and carried out tests in the Yangyang underground laboratory. The result of our NaI detectors and future prospects of the experiment will be presented.

Oral or Poster Presentation

Oral

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Session Classification: AstroParticle, Cosmology, Dark Matter Searches, and CMB

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