

## Liquid Scintillator Counter at Yemilab

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In September 2022, a new underground laboratory, Yemilab, was finally completed in Jeongseon, Gangwon Province, with a depth of 1,000 m and an exclusive experimental area spanning 3,000 m<sup>2</sup>. The tunnel is encased in limestone and accommodates 17 independent experimental spaces. Among them, Yemilab includes a cylindrical pit with a volume of approximately 6,300 m<sup>3</sup>, designed as a multipurpose laboratory for next-generation experiments involving neutrinos, dark matter, and related research. We discuss physical potential and R&D strategy for a future program at this site.

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