

COSINE-100 experiment at Yangyang underground laboratory

Monday 25 July 2016 17:45 (15 minutes)

Based on (arXiv number)

Summary

The DAMA collaboration at Gran Sasso claims that they have discovered dark matter with a significance of 9.3 sigma. However, no other experiment has found conclusive evidence for a WIMP signal in the 17 years since DAMA first announced their discovery. COSINE-100 is a Collaboration Of Sodium Iodine Experiments to prove/disprove the DAMA/LIBRA annual modulation, founded by DM-Ice and KIMS experiments. COSINE-100 will use 107 kg of NaI(Tl) scintillating crystals at Yangyang underground laboratory in South Korea.

In this presentation, we will discuss the current status of COSINE-100 experiment at Yangyang underground laboratory.

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Session Classification: Direct Dark Matter Detection

Track Classification: Direct Dark Matter Detection