



Contribution ID: 288

Type: **Poster presentation**

The COSINUS experimental facility at Gran Sasso

Tuesday 19 July 2022 19:00 (1 hour)

Construction of the COSINUS experiment is quickly progressing at the LNGS underground laboratory. In this contribution, we will present the experimental setup of the COSINUS rare event search, which aims at providing a crosscheck of the signal reported by the DAMA/LIBRA collaboration using NaI as a cryogenic absorber material. The scintillating bolometers of COSINUS will be operated in a dry dilution cryostat, surrounded by a water Cherenkov muon veto, and operated in a low-background environment at LNGS. We will illustrate key elements of the facility currently being built, and give an overview on the current status of construction, which is already mostly complete.

Author: Dr STAHLBERG, Martin (Max Planck Institute for Physics)

Presenter: Dr STAHLBERG, Martin (Max Planck Institute for Physics)

Session Classification: Poster session