

Results and perspectives from DAMA/LIBRA

Friday 31 March 2023 10:15 (15 minutes)

The DAMA/LIBRA-phase2 experiment at Gran Sasso is presented. The improved experimental configuration with respect to the phase1 allowed a lower software energy threshold. The DAMA/LIBRA-phase2 data confirm a signal that meets all the requirements of the model independent Dark Matter annual modulation signature, at high C.L. The model independent DM annual modulation result is compatible with a wide set of DM candidates. A new configuration of DAMA/LIBRA-phase2 is now running with a further lowered energy threshold. The perspectives are outlined.

Author: BELLI, Pierluigi

Presenter: BELLI, Pierluigi

Session Classification: SESSION 11: Direct Detection: status of crystalline WIMP detectors (CHAIR: Bernard Sadoulet - Berkeley)