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Dark matter: DAMA/LIBRA and its recent perspectives

Tuesday, 19 July 2022 17:00 (20 minutes)

The DAMA/LIBRA–phase2 experiment deep underground 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 the evidence of a signal that meets all the requirements of the model independent Dark Matter annual modulation signature, at high C.L. Recently additional data have been released. 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 will be outlined.

Primary author: BELLI, Pierluigi

Presenter: BELLI, Pierluigi

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