Contribution ID: **6**   Type: **Invited Talk**

Annual modulation with DAMA/LIBRA-phase2

Tuesday, 25 February 2020 12:00 (30 minutes)

Abstract: The new results obtained by the first 6 independent annual cycles of DAMA/LIBRA–phase2 experiment deep underground at Gran Sasso are presented; they correspond to a total exposure of 1.13 ton × yr. The improved experimental configuration with respect to the phase1 allowed a lower 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. The model independent DM annual modulation result is compatible with a wide set of DM candidates. In this talk we summarize some of them and perspectives for the future will be outlined.

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