



Contribution ID: 140

Type: oral

DAMA/LIBRA-phase1 results and perspectives of the phase2

Tuesday, 30 September 2014 14:00 (20 minutes)

The DAMA/LIBRA set-up (about 250 kg highly radiopure NaI(Tl)) is running at the Gran Sasso National Laboratory of INFN. The cumulative DAMA/LIBRA-phase1 data (1.04 ton x year) have been released; the data of the former DAMA/NaI and of the DAMA/LIBRA-phase1 (cumulative exposure 1.33 ton x yr) satisfy all the many requirements of the Dark Matter annual modulation signature at 9.3 sigma confidence level.

DAMA/LIBRA is now in data taking in the new configuration DAMA/LIBRA-phase2, using new higher quantum efficiency PMTs. Results, implications and experimental perspectives of the experiment will be addressed.

Primary author: Dr CERULLI, Riccardo (INFN)

Presenter: Dr CERULLI, Riccardo (INFN)

Session Classification: Parallel Session B