



ID de Contribution: 4

Type: **Non spécifié**

Particle Dark Matter in the galactic halo: results from DAMA/LIBRA

mercredi 11 mars 2009 18:45 (20 minutes)

The highly radiopure DAMA/LIBRA set-up (about 250 kg highly radiopure NaI(Tl) sensitive mass) is running at the Gran Sasso National Laboratory of the I.N.F.N.. The presented results have been obtained - with an exposure of 0.53 ton x yr - by exploiting the model independent annual modulation signature for Dark Matter particles in the galactic halo. The DAMA/LIBRA data confirm the evidence for the presence of Dark Matter particles in the galactic halo as observed by the former DAMA/NaI experiment. The combined analysis of the data of the two experiments (total exposure 0.82 ton x yr) gives a C.L. at 8.2 sigma. Present works and perspectives will be addressed.

Auteur principal: Dr CERULLI, Riccardo (INFN-LNGS)

Orateur: Dr CERULLI, Riccardo (INFN-LNGS)

Classification de Session: Dark Matter