```
Name = Pierluigi
Surname = BELLI
Nationality = Italian
Institution = INFN - Roma Tor Vergata
Address = Via della Ricerca Scientifica, 1
Town = 00133 Rome
Country = Italy
e-mail = <u>pierluigi.belli@roma2.infn.it</u>
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This paper has already been discussed with the Organizer of the Session.

Title: Direct detection of Dark Matter particles

Arguments on the investigation of the Dark Matter particles in the galactic halo will be addressed. Recent results obtained by the DAMA/LIBRA set-up -- exploiting the model independent annual modulation signature for Dark Matter (DM) particles -- will be summarized. In fact, the DAMA project, operative at the Gran Sasso National Laboratory of the INFN, is an observatory for rare processes; its main apparatus is DAMA/LIBRA, whose sensitive volume is made of about 250 kg highly radiopure NaI(TI) detectors. The first DAMA/LIBRA results confirm the evidence for the presence of DM particles in the galactic halo as pointed out by the former DAMA/NaI set-up; cumulatively the data support such evidence at 8.2 \$\sigma\$ C.L. and satisfy all the many peculiarities of the DM annual modulation signature. Future perspectives will be briefly addressed.