Prospects

a possible phase-3 at end of phase2
(or data taking dedicated to other rare processes)

The strong interest in the low energy range suggest the possibility of a new development of high Q.E. PMTs with increased radiopurity to directly couple them to the DAMA/LIBRA crystals, removing the special quartz light guides which act also as optical window obtaining an ultimate number of ph.e./keV.

(many rare processes can be investigated as discussed in CSN2 many times in the past)

a possible multipurpose fully sensitive DAMA/1ton

Proposed by DAMA since 1996
(DAMA/NaI and DAMA/LIBRA intermediate steps, some R&D funded and carried out)

New anisotropic scintillator/nanotube detectors for directionality

at the end of LNGS DAMA/LIBRA underground data taking: New measurements of q.f., channelling, etc. for each detector @ Tor Vergata and neutron beam

MOREOVER: with our international partners developments and use of many low background/new/enriched scintillators/samples to deeply investigate rare processes with the realization of specific high mass set-ups