

Vulcano Workshop 2014 - Frontier Objects in Astrophysics and Particle Physics



Contribution ID: 75

Type: **not specified**

Future in Astroparticle at INFN

Saturday, 24 May 2014 09:25 (25 minutes)

INFN has an outstanding tradition of research in the field of astroparticle physics. The bulk of the experiments are performed at LNGS but the presence of INFN is visible also in space, underwater and remote lands. The most important question we ask ourselves is : what next. A new generation of underground experiments is needed for double beta decay and the mostly elusive dark matter. But we should not ignore that important answers comes from the observation of the cosmos. We need also to properly address the long standing issue of the sterile neutrinos of for which we have the right technology at hand and we should also start to give a closer look at experiments able to look for axions. A great challenge to be carried on in the frame of an enhanced international cooperation.

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Session Classification: Future Prospects