

One page executive summary

What is this contribution about?

We present a new instrument (ICaRO) to monitor cosmic ray flux at ground level.

Why is it relevant / interesting?

Its location: Tenerife Island at 28° 18' N, 16° 29' W , 2373 m a.s.l. and cutoff rigidity = 11.5 GV.

Its capabilities: neutron and muon fluxes, muon incoming directions, some real time products.

Its observational contributions: covering a gap into the Neutron Monitor Data Base and the possibility of observe solar neutrons.

What have we done?

ICaRO is building currently. It is based on ORCA, which is in operation at Livingston Island (Antarctica).

What is the result?

ICaRO will be in commissioning phase at the end of 2021, hopefully.