

Curriculum Vitae of Francesco Terranova

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I have been working in experimental neutrino physics since about 20 years giving significant contributions to the construction, running and data analysis of OPERA (observation of tau neutrino appearance in a long baseline experiment), CUORE (search for neutrinoless double beta decay with bolometers) and inventing the concept of "monitored neutrino beam" (NP06/ENUBET). My contributions to the field also include studies on novel neutrino sources (beta beams, neutrino factory and tagged neutrino beams) and R&D on single phase liquid argon TPC. I am a member of the DUNE Collaboration working on the development of the Photon Detection System and the Run-II of ProtoDUNE at CERN.

Main areas of research

Electroweak physics at e^+e^- colliders: **DELPHI** at LEP [1994-2001]
Hadro-production experiments: **NA56/SPY** at SPS [1995-1997]
Neutrino Oscillation Experiments: **OPERA** [2001-2011], **DUNE** [2018-present]
Neutrino-less double beta decay: **CUORE** [2012-present]
R&D's: **Liquid Argon TPC** [1997-1999]) Beta Beams, Neutrino Factories (**BENE** [2004-2008], **EUROnu** [2008-2012]), Monitored Neutrino Beams (**SCENTT** and **NP06/ENUBET** [2016-present])

Coordination of Research Projects (selection)

2000-2001 **Physics Convener** of the Trilinear Gauge Coupling working group at DELPHI
2004-2011 INFN Group Leader at LNF (Frascati) for BENE-INFN
2005-2008 **Project Leader** of the magnets for the OPERA experiments
2006-2011 INFN Group Leader at LNF (Frascati) for OPERA
2006-2007 **Run Coordinator** of OPERA during the start-up of the CNGS
2007-2008 **Technical Coordinator** of the electronic detectors for the OPERA experiment
2007-2011 Member of the **Executive Board** of the OPERA Experiment
2009-2011 **Deputy Spokesperson** of the OPERA experiment
2011-2014 Member of the **Technical Board** of the CUORE experiment and coordinator of the cryostat construction during the Phase I
2014-2018 Member of the **Executive Board** of the CUORE experiment
2016-present **Principal Investigator** of the INFN SCENTT and ENUBET_2 Project
2019-present **National Representative** in the DUNE PDS Management Board
2019-present **Spokesperson** of the CERN NP06/ENUBET experiment

Boards (selection)

2008-2011 Member of the INFN **Funding Committee** for Astroparticle Physics (Commissione Scientifica Nazionale II).

2009-2011 Ex-officio member of the **Collaboration Board** of OPERA.

2010-2012 Member of the MICE Trans-National Access (TNA) board

2014-2018 Ex-officio member of the **Institutional Board** of CUORE.

2013-2016 Member of the Ionisation Cooling Test Facility Applications Panel for EuCARD-2

2016-present member of the **Management Committee** of the COST Action EuroNuNet

2016-2019 Member of the CERN Proto-Synchrotron (PS) and Super-Proton-Synchrotron (SPS)

Scientific Committee (SPSC)

2018-present National coordinator and member of the **Governing Board** of ESSnuSB (call: H2020-INFRADEV-2017-1)

2019-present member of the DUNE **Institutional Board**

2020-present member of the **Editorial Board** of Universe

Summary of scientific publications

Author of 355 papers in the InSPIRE database (230 published in peer reviewed journals)

Total number of citations (citeable papers): 14123

Average citations per paper: 39.8

H-index: InSPIRE 61