

## 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) and CUORE (search for neutrinoless double beta decay with bolometers). My contributions to the field also include studies on novel neutrino sources (beta beams, neutrino factory and, more recently, tagged neutrino beams) and R&D on single phase liquid argon TPC. I am planning to contribute to DUNE in all phases of the experiment and, in particular, to the design, construction and operation of the near detector.

### 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]  
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]), Tagged Neutrino Beams (**SCENTT** and **ENUBET** [2016-present])

### Coordination of Research Projects

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-present Member of the **Executive Board** of the CUORE experiment  
2016-present **Principal Investigator** of the INFN SCENTT Project  
2016-present INFN Group Leader at Milano-Bicocca for SCENTT and ENUBET

### Boards

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

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

2014-present Member of the **Speakers Board** of the CUORE experiment

2014-present Ex-officio member of the **Collaboration Council** of the CUORE experiment

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

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

**Scientific Committee (SPSC)**

### **Summary of scientific publications**

Author of 301 papers in the InSPIRE database (203 published in peer reviewed journals)

Total number of citations (citeable papers): 8939

Average citations per paper: 32.0

H-index: InSPIRE 42