

Istituto Nazionale di Fisica Nucleare

CODICE PROGETTO

IR0000004

Einstein Telescope Infrastructure Consortium (ETIC)

18 Technologist* positions in INFN for ET

INFN Unit	Activity/Requirements
Bologna ²	Design, development and testing of systems based on programmable logic. FPGAs and embedded systems.
Cagliari ²	Light and ionising radiation detectors, integrated electronics for detector read-out.
Cagliari ²	Optics, laser technologies, data acquisition systems
Genova ²	Design, simulation, operation and maintenance of optical and opto-electronic equipment.
LNS-Catania ⁴	Experience in the BIM environment and in public construction
Napoli ³	Simulation, fine-tuning, sensing and control of seismic isolation systems for suspended optics
Napoli ³	Ultra high vacuum systems, surface contamination assessment
Padova ³	Skills in vacuum system design; experience in deposition techniques and/or materials science.
Perugia ¹	Project management assistant. Office automation for project management.
Perugia ³	Mechanical and mechatronic design.
Perugia ³	Implementation of seismic filtering and vacuum systems
Pisa ³	Mechanical and FEM design for complex seismic filters in High Vacuum.
Pisa ²	Electronic design, development of low-noise sensors and actuators.
Pisa ¹	Electronics and software development for feedback control systems, machine learning.
Roma1 ³	Design of mechanical, vacuum and cryogenic systems.
Roma2 ²	Design, simulation, deployment and maintenance of advanced adaptive optics systems. 2 positions
Torino ¹	Design, development and testing of hardware and software systems for high-performance scientific computing (HPC, GPU).

6 Technician** positions in INFN for ET

INFN Unit	Activity/Requirements
Bologna ⁶	Installation, testing and use of electronic devices in the laboratory.
Cagliari ⁷	Fabrication of mechanical and micromechanical components in the workshop
LNS-Catania ⁷	Maintenance, assembly and design support of technological, vacuum and cryogenic plants
Perugia ⁷	Production of components in the mechanical workshop. Use of numerical control machines
Roma1 ⁷	CAD drawing and fabrication of mechanical components in the workshop
Torino ⁵	Installation and management of scientific computing and cloud resources in a Linux environment

1) <https://l.infn.it/cmp> 5) <https://l.infn.it/tcm>



2) <https://l.infn.it/ele> 6) <https://l.infn.it/tel>



3) <https://l.infn.it/crio> 7) <https://l.infn.it/tme>



4) <https://l.infn.it/edi>



- *2 years positions. For access to the profile of Technologist, a degree in Physics, Engineering (all classes), Computer Science, Mathematics, Biotechnology (all classes), Materials Science and Engineering, Universe Sciences, Natural Sciences, Statistical Sciences, Computer Security, Biology, Chemical Sciences (see call for details)
- ** High school diploma, 2 years contract (see call for details)