



POST-DOCTORAL FELLOWSHIPS IN THEORETICAL PHYSICS

The INFN Fellowship Programme 2012/2013 offers 12 (twelve) positions for research activity in Theoretical Physics.

Eligible candidates may be non-Italian citizens, or Italian citizens who, at the time of the applications, are abroad for at least three years.

Applicants must have a Ph.D degree or an equivalent qualification. Candidates who are preparing their doctoral thesis are eligible to apply; however they must have obtained their Ph.D degree before taking up their appointment with INFN.

Applicants with eight or more years of post-doctoral experience are not eligible.

The research topics of the twelve fellowships and the corresponding INFN sites are listed in Annex 1. Each candidate may apply up to a maximum of three fellowships.

The annual gross salary is € 40.000,00. Each fellowship is initially granted for one year and may be extended for a second year. Travel tickets to and from INFN sites will be reimbursed at the beginning and at the end of the fellowship; also lunch tickets will be provided for working days.

Applications, in electronic form, must be sent to INFN no later than **November 20, 2012** through the website http://www.ac.infn.it/personale/theo_fellowships/. The applications must specify the research topic(s) and the corresponding INFN site(s) (up to a maximum of three) among those listed in Annex 1, and must include:

- a curriculum vitae;
- a publication list;
- at least three reference letters (specifying name, surname and e-mail of each referee).

For each fellowship primary consideration will be given to candidates working in the corresponding specific research topic; however candidates working in other subjects may be also considered.

At the end of the selection process the candidates will be informed by e-mail about the result of their application. Successful candidates will then receive an official communication from the INFN Administration Offices. The appointed fellows should start their fellowships no later than November 1, 2013; special requests to defer the starting date can be considered.

ISTITUTO NAZIONALE DI FISICA NUCLEARE
IL PRESIDENTE
(Prof. Fernando Ferroni)

Annex 1
Research field INFN site (Section, Laboratory, Gruppo Collegato)

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| BARI | Foundations of quantum mechanics, entanglement and complexity |
| CATANIA | Nuclear astrophysics and compact stellar matter |
| LABORATORI NAZIONALI DI FRASCATI | Phenomenology of elementary particle interactions at colliders |
| LABORATORI NAZIONALI DI FRASCATI | Strongly correlated electron systems and nanostructures |
| MILANO | Nuclear physics and finite many body systems |
| PADOVA | Phenomenology of fundamental interactions |
| PISA | Non-perturbative dynamics in gauge and string theories |
| ROMA | Phenomenology of fundamental interactions and lattice gauge theories |
| ROMA | Astroparticle physics and cosmological applications |
| TORINO | String theory, supergravity and applications |
| GRUPPO COLLEGATO DI TRENTO | Nuclear physics and strongly interacting many-body systems |
| TRIESTE | String theory and applications |