INFN
Istituto Nazionale
di Fisica Nucleare

16726

POST-DOCTORAL FELLOWSHIPS IN THEORETICAL PHYSICS

The 2015/2016 INFN Fellowship Program 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 application, hold a position in a foreign institution and have been continuously abroad for at least three years.

Applicants must have a Ph.D. degree (or an equivalent qualification), obtained no more than eight years prior to the call deadline, *i.e.* on or after November 15, 2006. This time limit may be extended in case of:

- Maternity (18 months per each child born before or after the Ph.D. award, up to a maximum of 4.5 years);
- Paternity (effective time of leave taken for each child born before or after the Ph.D. award, up to a maximum of 4.5 years);
- National Service (effective time of leave taken after the Ph.D. award);
- Long-term, *i.e.* over 90 days, illness (effective time of leave taken for each incident occurred after the Ph.D. award).

The total elapsed time since the award of the PhD should not in any case surpass twelve years and six months. The reasons for an extension of the time limit must be duly documented only in case of a successful application. Failure in providing the appropriate documentation will result in the ineligibility for the appointment.
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.

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 two 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 not later than **November 15, 2014** through the website http://www.ac.infn.it/personale/theo_fellowships/. In the application the candidates must specify the date of their Ph.D., the selected research topic(s) and the corresponding INFN site(s) (up to a maximum of two) among those listed in Annex 1, and must include:

- a curriculum vitae;
- a publication list;
- the names and e-mail addresses of three referees who can provide reference letters.

Italian applicants must also specify the foreign institution where they hold a position and must certify that they have been continuously abroad at least since November 15, 2011.

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 **not later than November 1, 2015**; however, special requests to defer the starting date can be considered.

25 SET. 2014

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

ANNEX 1

INFN Section or Laboratory	Research Topic
BOLOGNA	Quantum Fields for Gravity, Cosmology and Black Holes
FIRENZE	Phenomenology of Strongly Interacting Matter at High Temperature and Density
GENOVA	Phenomenology of Weak and Strong Interactions
GENOVA	Phenomenology of Hadron Physics
LABORATORI NAZIONALI DEL GRAN SASSO	Nuclear Matter and Compact Stellar Objects
MILANO BICOCCA	Gauge Theories, Supergravity and String Theory
NAPOLI	Phenomenology of Elementary Particle Interactions
NAPOLI	Astroparticle Physics
PAVIA	Quantum Field Theory at Colliders
PAVIA	Geometrical Methods in Quantum Field Theories and Applications
PERUGIA	Non-Perturbative Dynamics in Gauge and String Theory
TORINO	String Theory and its Applications