

Announcement n. 28201

POST-DOCTORAL FELLOWSHIPS IN THEORETICAL PHYSICS

In accordance with Resolution no. 17548 of October 31st 2025,

the 2026/2027 INFN Fellowship Program offers **16 (sixteen) 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.

The Fellowship cannot be awarded to those who have already benefited from the INFN Fellowship for a total duration of twenty-four months.

Those who have already received a Post-Doctoral Fellowship or a fixed-term contract ("contratto a tempo determinato") with the INFN cannot participate in the call.

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 **December 15th, 2017**. This time limit may be extended in case of:

- Maternity (18 months for 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 illness, *i.e.* over 90 days, (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 **by November 1st, 2026 or in any case before** taking up their appointment with INFN.

The research topics of the **16** 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 36.000,00 €. 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 submitted to INFN not later than **December 15th, 2025 (11:59 p.m. CET)** through the website <https://reclutamento.dsi.infn.it>. 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, each of them may upload a reference letter not later than **December 18th, 2025 (11:59 p.m. CET)**.

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 **December 15th, 2022**.

Candidates will be excluded from participation in this call if they submit their application later than the deadline indicated.

Incomplete applications (lack of information or missing files) will not be considered.

The selection of the candidates will be based on:

- 1) the candidate's scientific qualities, as shown by his/her CV and his/her track record of results achieved;
- 2) quality and relevance of the submitted scientific publications to be evaluated taking into account the specific research area and the candidate's career stage;
- 3) qualification of the candidate as attested in the submitted reference letters;
- 4) matching of the candidate's scientific experience and qualifications with the research topic of the Fellowship.

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 results of the selection will be published at INFN website (Job Opportunities – Details of the announcement). Successful candidates will then receive an official communication from the INFN administration offices. The appointed fellows should start their fellowships **not later than November 1st, 2026**; however, special requests to defer the starting date can be considered.

The INFN guarantees equal work access opportunities to men and women in accordance with Law No. 125 of 10 April 1991, Legislative Decree 57/165/2001 and Articles 42 and 48 of Legislative Decree 198/2006.

This public selection procedure is funded by INFN ordinary funds.

Data Controller: National Institute of Nuclear Physics: email address: presidenza@presid.infn.it.

Data Protection Officer email address: dpo@infn.it.

In accordance with the provisions of Art. 13 of the EU Regulation 2016/679, the personal data requested will be collected and processed, also with the use of multiple IT tools, exclusively within the call and in compliance with the legal regulation for these activities. All information candidates provide will be treated confidentially to establish their eligibility and qualifications; if not provided, candidates will be excluded from the selection process. Data shall be kept just for the selection period and subsequently retained for storage purposes only.

INFN guarantees that candidates can access to their personal data concerning, as well as their rectification, deletion and limitation and the right to object to the personal data processing; it also guarantees the right to file a complaint with the Data Processing Authority regarding the processing carried out.

For other issues not covered by this announcement, reference is made to the Disciplinary of July 1st, 2025 which is an integral part of this announcement and is available on the website:

<https://jobs.dsi.infn.it>

For information please send an e-mail to ac.dru.assegni.borse@lists.infn.it

Roma, 17th November 2025

RC/ADV

ISTITUTO NAZIONALE DI FISICA NUCLEARE
II PRESIDENTE
(Prof. Antonio Zoccoli)¹

¹ Documento informatico firmato digitalmente ai sensi della legge 241/90 art. 15 c 2, del testo unico D.P.R. 28 dicembre 2000, n. 445, del D.Lgs. 7 marzo 2005, n. 82, e norme collegate, il quale sostituisce il testo cartaceo e la firma autografa

ANNEX I

	INFN Section or Laboratory	Research Topic
1.	Cagliari	Combining Gravitational Wave Observations and Black Hole Studies for Cosmological Insights
2.	Genova	Modeling and Simulation of Complex Multiphase Systems
3.	Genova	Precision Machine Learning for Particle Phenomenology
4.	National Laboratories of Frascati	Phenomenology of fundamental interactions at present and future colliders
5.	National Laboratories of Gran Sasso	Emulating neutron star evolution with ultracold supersolid atoms
6.	Milano Bicocca	Non perturbative effects in gauge and string theories
7.	Milano	Gauge Theories, Supergravity and Strings
8.	Padova	Hunting for new physics at the interface of particle physics, astrophysics and cosmology
9.	Padova	Primordial Gravitational Waves from Inflation and Non-Gaussianity in the Era of Next-Generation Cosmological Missions
10.	Pavia	QCD phenomenology and modeling of hadronic structure, with emphasis on the study of multidimensional parton distributions
11.	Perugia	Relativistic Entanglement
12.	Pisa	First-principles computations in nonperturbative QCD
13.	Roma Tor Vergata	Hadron phenomenology from QFT lattice simulations
14.	Torino	Advanced theoretical methods for the modeling of hot and dense QCD matter and heavy-ion collisions
15.	Trieste	Dark matter phenomenology in multistate dark sectors
16.	Trieste	Quantum Fields, Strings and Geometry