

The INFN Italian Institute of Nuclear Physics has opened

20 post-doctoral senior research grants in experimental physics, reserved for non-Italian citizens.

Each research grant is issued for two years.

The deadline is November 15th, 2024.

Please see the official announcement on the page below

A position is available at the LNF National Laboratories of Frascati.

LNF is involved in several high energy physics experiments based at CERN.

One of the most challenging projects is the construction of the new Inner Tracker for the ATLAS experiment for the High Luminosity Phase, where the ATLAS LNF group is responsible for the assembly and commissioning of one pixel outer endcap.

There is a wide range of activities where the candidate could have a strong impact:

testing silicon modules, developing the data acquisition, the detector control system and managing large detector systems.

A fraction of time dedicated to physics analysis and/or reconstruction is welcome.

We search for a motivated researcher, able to work in team and in large international collaborations.

Applicants who are potentially interested in a research project at LNF on the ITk project are encouraged to contact Marianna Testa (marianna.testa@lnf.infn.it).

Announcement n. 27077

POST-DOCTORAL SENIOR LEVEL 3 RESEARCH GRANT IN EXPERIMENTAL PHYSICS

The 2025/2026 INFN Research Grant Program offers **20 (twenty) positions** for research activity in Experimental Physics.

Eligible candidates are non-Italian citizens.

The Research Grant cannot be awarded to those who have already benefited from “Assegni di Ricerca” in Italy for a total duration of six years.

If the winners of this competition have already benefited from INFN Research Grant for a period of less than six years, the new Research Grant may be awarded up to the aforementioned limit.

Those who have already won a Research Fellowship in Italy of the same type 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 November 15th, 2016. 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 Ph.D. 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, 2025** or in any case before taking up their appointment with INFN.

The annual gross salary is €31.308,00, (the net salary according to the regulations in force on 27-06-2023 is €27.600,00. This number might be subject to change).

In order to promote the mobility of researchers, the winners of the scientific research grants who have obtained the Ph.D. in a Province or Metropolitan City other than that where their research grant is seated, will receive an additional economic incentive of €5.000,00 gross year for each year the contract is in force, provided that they are not resident or have not had the residence or scholarships or other research grants paid by the INFN or other scientific institutions in the three years prior to the signing of the contract in the Province or Metropolitan City of the destination.

This condition is verified at the starting of the activity.

Each Research Grant is issued for two years.

Applications, in electronic form, must be submitted to INFN not later than **November 15th, 2024 (11:59 a.m. CET)** through the website <https://reclutamento.dsi.infn.it/>.

The applications should include the research topic(s) of interest, the preferred INFN site(s) – **two at the most**, chosen among those listed in Annex 1 – and:

- a statement of research interests (a summary of research accomplishments and future direction and potential of the work of the candidate at the selected INFN sites);
- a curriculum vitae;



- a publication list;
- the names and e-mail address of at least three referees: each of them may upload a reference letter not later than **November 20th, 2024 (11:59 a.m. CET)**.

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 quality, 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) the candidate's scientific experience and qualifications with respect to the chosen research topic.

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 should start their Research Grant **not later than November 1st, 2025**; 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: presidenza@presid.infn.it.

Data Protection Officer: email: dpo@infn.it

In accordance with the provisions of Art. 13 of the EU Regulation 2016/679, the requested personal data 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.

The provision of data is necessary to evaluate the participation requirements and qualifications and their non-indication may preclude such an assessment. The data shall be kept just for the selection period and subsequently retained for storage purposes only.

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

For all other aspects not provided in this call, please refer to INFN Regulation for research grants of June 27th, 2023, which form an integral part of the present call and is available at the website: <https://jobs.dsi.infn.it>

Roma, 11th September 2024

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 1

INFN SITES

INFN Laboratories:

Laboratori Nazionali di Frascati (Roma), Laboratori Nazionali del Gran Sasso (L'Aquila), Laboratori Nazionali di Legnaro (Padova), Laboratori Nazionali del Sud (Catania);

INFN Sections in the Universities of:

Bari, Bologna, Cagliari, Catania, Ferrara, Firenze, Genova, Lecce, Milano, Milano Bicocca, Napoli, Padova, Pavia, Perugia, Pisa, Roma La Sapienza, Roma Tor Vergata, Roma Tre, Torino, Trieste, TIFPA.

RESEARCH PROGRAMS

The research programs of the candidates must be focused on the research fields of the INFN Sections and Laboratories selected. The INFN research fields are listed below:

- PARTICLE PHYSICS
- ASTROPARTICLE PHYSICS
- NUCLEAR PHYSICS
- TECHNOLOGY RESEARCH