



**UNIVERSITÀ
DI TRENTO**

Call for Doctoral positions on the

PhD Programme in

Physics

37th Cycle

Academic Year 2021/2022

N.B. Please note that only the Italian version of the present call issued with Rector's Decree no. 361 of 23.04.2021 is legally binding; the English version is provided for information only

Art. 1 – SUBJECT OF THE CALL

The University of Trento opens the call for positions for the 37th Cycle (Academic Year 2021/2022) of the PhD Programme in Physics jointly run with the National Institute for Nuclear Physics (INFN - Italy):

Positions: no. 24

Scholarships: no. 21 (of which 18 on reserved topics)

Positions without scholarship: no. 3

Supernumerary positions: no. 2 (see art. 7)

Scholarships are funded as follows:

Financer of scholarships	No. of scholarships	Topics of reserved scholarships
University of Trento	3	
University of Trento and Department of Physics	2	A – Neural network model of memory engram consolidation via astrocyte-neuron interaction B - Superconductivity and charge density waves in two dimensional crystals ¹
University of Trento and CNR-INO	1	C - Quantum many-body systems and ultracold gases
University of Trento and ECT*	2	D- Gluon Saturation at the Electron-Ion Collider E- Optimizing Quantum Simulations for Trapped-Ion qubits
University of Trento and INAF	1	F- Study of the Magnetosphere-atmosphere-lithosphere coupling during active seismic conditions
Department of Physics	4	G - Kinetics of soft matter systems: from statistical mechanics to machine Learning H - Integrated quantum photonics I - Photonic neural networks J- Out-of-equilibrium dynamics of cold atoms in cavities
Department of Physics (Q@TN)	4	K –Cuboga (Coherently coupled Ultra-cold Bose gases: a toolbox for magnetic phenomena) L – FLOAT (Fluctuating Levitated nonlinear Oscillators Approaching The quantum regime) M – HyClassQSampling (Hybrid classical-quantum algorithms for Sampling Problems) N – SOCCEr (Superconducting Circuits for the Casimir Effect)
INFN	3	O-P - Particle, astroparticle, nuclear, theoretical physics, related technologies and applications, including medical Physics Q - R&D of an Advanced flexible interconnection solution suitable for high energy physics experiment and space applications
FBK	1	R - Deep Learning for time-transient phenomena in the ionosphere and correlation with seismo-induced events
Positions without scholarship	3	
Positions	24	
Supernumerary positions:	2	

¹ This is a reserved scholarship in collaboration with the Sorbonne Université and entails specific additional PhD student's obligations. In particular, the doctoral student is required to spend a period of up to 18 months at the Sorbonne Université in Paris, where he/she will carry out part of the training and research activities envisaged by the doctoral project; while in Paris he/she will receive a salary according to the French contractual framework. For further details, please see the scholarship summary file posted at the call webpage.



The scholarships dedicated to specific research topics (reserved scholarships) may be assigned only to those candidates who specifically apply for them; during the oral examination the specific eligibility of the applicants will be evaluated. For these scholarships specific skills may be required. Applicants interested in one or more reserved scholarships must therefore carefully check the topic and the required skills indicated on the [selection website](#).

The positions with scholarships or other financial support may be increased after the publication of this call till the day before the assessment of qualifications. All the new available positions will be posted solely on the [selection website](#).

Any candidates selected by special committees for admission related to specific international mobility programmes in which the University of Trento participates, may also be admitted to the 37th Cycle in additional positions.

Deadline for application: May 24th, 2021, hrs. 04.00 PM (Italian time, GMT +2)

Duration: three years

Start of the Academic Year: November 1st, 2021

Official languages: English, Italian

Selection website: [PhD Programme in Physics](#)

Programme website: [Doctoral Programme in Physics](#) (information on the programme, admission to final examination and award of the degree)

[Rights and duties of doctoral students](#)

[Doctoral scholarships](#)

Scientific Areas (with reference to the Italian Ministerial classification):

FIS/01 Experimental Physics

FIS/02 Theoretical Physics, mathematical methods and models

FIS/03 Physics of Matter

FIS/04 Nuclear and Sub nuclear Physics

FIS/07 Applied Physics (for the environment, biology, medicine and cultural heritage)

FIS/08 Teaching and History of Physics

CHIM/03 General and inorganic Chemistry

N.B.

- a. The dates of the selection and all selection results (interim and final), the possible exclusion from the selection due to an incomplete application (art. 3), the exclusion for foreign qualification not recognized as suitable (art. 2), and any notices related to the call will be published only on the [call webpage](#); the candidates **will be identified through the application ID therefore it is recommended to keep it safe**. The publication on the website is to all intents and purposes valid as official notification.
- b. Without exception, all possible communication from the University of Trento to applicants will be managed via e-mail to the email address specified in the online application (section "email address for notification). Candidates are advised to check their mail box regularly and keep the Doctorate Office S&T (phd.office-st@unitn.it) promptly informed of any changes in their email address.
- c. Due to the unpredictable Covid-19 health emergency situation, during the first semester of the academic year 2021/22 in order not to stop teaching and research doctoral activities, the same could be given both in person and remotely.



Art. 2 – ADMISSION REQUIREMENTS

1. Applications for doctoral positions are accepted from applicants, regardless of gender, age and nationality, who hold:
 - a. an Italian “Laurea Magistrale” or “Laurea Specialistica”, according to the Ministerial Decree no. 509 of 03.11.1999, subsequently amended by Ministerial Decree no. 270 of 22.10.2004;
 - or
 - b. a university degree obtained at an Italian Institution belonging to the AFAM system (Alta Formazione Artistica e Musicale);
 - or
 - c. an equivalent foreign degree (*Master’s degree*) obtained at an officially recognized academic institution, valid for admission to PhD studies in the Country it has been issued (except for substantial differences) and similar (duration and level) to the Italian degree, recognized as eligible² by the Selection Committee for the sole purpose of accessing this specific PhD Programme³.
2. Applications are also accepted from students expected to obtain the necessary degree **by October 31st, 2021**. Admission to the Doctoral Programme for successful applicants who have not yet graduated will be “conditional” and the applicant will have to submit to the Doctorate Office S&T (via email to: phd.office-st@unitn.it) **by November 8th, 2021**, on penalty of exclusion, the certificate awarded or a self-declaration (using Annex A).
3. Applicants with a foreign qualification that has not been officially recognised as equivalent to an Italian degree (*Laurea Magistrale/Specialistica/vecchio ordinamento*) will be considered as requesting equivalence in their application, by attaching the necessary supporting documents.
It is in the applicant’s interest to provide all the elements useful for the assessment, especially if the education system of the country where the qualification was obtained is not comparable to the Italian one. The Selection Committee may require the applicant to provide additional documentation if deemed necessary for the purpose of assessing the eligibility.
4. Applicants who have already obtained the PhD degree will be admitted to attend a second PhD Programme, after passing the selection procedure, provided that the prevailing subjects and scientific areas are different from those relating to the previous Doctorate degree. Applicants who have already benefited from a scholarship, even partially, cannot be assigned any scholarships in the new PhD Programme.

Art. 3 – APPLICATION PROCEDURE

1. The application must be **completed and submitted by hrs. 04.00 p.m. Italian time (GMT +2) of May 24th, 2021, exclusively through the online system:** <https://www.unitn.it/en/apply/dott>. Authentication to the service is possible through: a University of Trento account as @unitn.it (if already released), or a “guest” temporary account (@guest.unitn.it, procedure to register an account is available on: <https://webapps.unitn.it/Registration/en/Home>⁴) or through the SPID⁵.
2. To finalize the application a non-refundable **application fee of € 15** (fifteen) is required to be paid by credit card⁶ according to the instructions given in the appropriate section of the online application.
The application online can be saved and modified several times until the final submission. Thereafter it can no longer be changed.
3. **The online application is considered to be a self-declaration of personal data and qualifications with full legal effect.** It is the sole responsibility of the applicant to make sure that the online application has been successfully submitted and an email notification has been received. There will be no liability with the University in the event that an application is not submitted correctly.
4. When filling in the application online, candidates may choose no more than **n. 3 reserved scholarships** they want to be evaluated for, specifying the order of preference. The order of preference is not binding for

² The eligibility of foreign academic degrees is assessed by the Selection Committee, following the rules in force or the international treaties or recognition of academic qualifications.

³ Details at: <http://www.cimea.it/en/servizi/il-sistema-italiano-di-istruzione-superiore/qualifiche-del-sistema-universitario.aspx>.

⁴ Applicants are advised to register well in advance of the deadline. The issue of credentials (username and password) may require up to three working days.

Those who already hold a Unitn account but forgot the password can request a new one at: <https://icts.unitn.it/en/password>.

⁵ <https://www.spid.gov.it/riciedi-spid?lang=en-001>.

⁶ The accepted payment circuits are: Visa (e.g. Nexi/Cartasi, Postepay), V-pay, Maestro, MasterCard, NexiPay, MasterPass Wallet.



the committee but the candidates' choice to compete also for the reserved scholarships implies a preference on their part for the allocation of that specific scholarship with respect to the others.

5. **MANDATORY ATTACHMENTS** (failure to upload one or more mandatory attachments will result in automatic exclusion from the selection)

A. **Identifying document (ID):**

A copy of the applicant's valid **identity card** (only EU citizens) or **passport** (non-EU citizens), in particular of the pages reporting his/her photograph, personal data, number, place and date of issue, expiry date and signature;

B. **Academic degree for admission to PhD:**

i. **Italian qualification:**

already obtained/to be obtained: a self-declaration, in accordance with Presidential Decree art. 46 no. 445 of 28.12.2000 and subsequent amendments, declaring the possession of a degree (art. 2 of this Call), "**Classe di Laurea**", **award date and final grade / possible award date, issuing University, examinations taken, grades and credits** obtained (by **using Annex A** you can find at the end of this call and on the call website); graduates from the University of Trento may only declare the place and the date of award / foreseen date of award as the other information can be collected ex officio;

ii. **foreign qualification⁷:**

already obtained:

- a **certificate attesting to the possession of a second level university qualification** (see art. 2 paragraph 1 letter c), issued by the institution that awarded it. The certificate must indicate the type of diploma, the date it was awarded and the relative grade;
- a **list of exams** taken to obtain the qualification to access the Doctorate programme (*academic transcript of records of the Master's degree*) with relative credits (if provided for in the university system of the country that awarded the qualification), marks, and rating scale.
If the university studies carried out abroad are divided into first and second level, the Bachelor's degree and the list of examinations taken to obtain that degree (*academic transcript of records of the Bachelor's degree*) should also be attached.

to be obtained:

- a **certificate of enrolment in a course of study that allows admission to Doctorate programmes** (see art. 2 paragraph 1 letter c), with a **list of the examinations** successfully passed, **marks, credits** obtained in each examination (if provided for in the university system of the country that awarded the qualification), **rating scale** and the **possible award date**.
If the university studies carried out abroad are divided into first and second level, the Bachelor's degree and the list of examinations taken to obtain that degree (*academic transcript of records of the Bachelor's degree*) should also be attached.

If the aforementioned **documents** are **not in English**, they must be accompanied by a **translation** in Italian or in English **made provisionally by the applicant** who takes responsibility for the accuracy of the translation and its compliance with the original text.

C. **curriculum vitae et studiorum** in Italian or English, preferably according to the [Europass model](#); all research experiences previous and planned for the future (academic degrees held and any university enrolments in progress must be specified in detail; please specify also the High School diploma details.

D. **provisional or definitive Title of the Master's degree thesis** and the name of the supervisor;

E. **statement of purpose** (In Italian or in English, max 2 pages): it is required to clearly specify: 1. your scientific motivations avoiding generic statements 2. your personal motivations and your interest towards research in general; 3. the reason why you have chosen the Doctoral Programme in Physics at the University of Trento with reference to the research activities which are carried on there;

6. **OPTIONAL ATTACHMENTS:**

A. **summary of the Master's thesis** (in Italian or in English) explaining - if possible- the reasons for the choice of the subject, the research methodology and the results obtained (max. 4 pages);

⁷ It is in the interest of the applicant to provide all information relevant for the assessment, especially if the country where the qualification was obtained has an education system not comparable to the Italian one.



- B. any additional qualifications useful to demonstrate the attitude of the candidate in the research, such as degree thesis, scientific publications, awards, scholarships, post-graduate research activity, language skills certificates, certificate of scholarships also in according to the article 7 of this call;
- C. copy of the first-level academic degree (Bachelor's degree) and transcript;
- D. the name of one referee, expert in the research fields of the Doctoral Programme, from a University or a National/ International Research Institution. The reference letter must not to be sent by candidates. Once the Referee section has been completed and saved by the candidate, the system automatically sends, within 24 hours, a notification email to the referee containing the instructions and modalities of transmission. Letter has to be issued on the base of a model sent directly to referee, and have to be uploaded on the website by him/her.
It is strongly recommended that applicants verify that the referee has uploaded the Reference Letter **no later than May 25th, 2021**.

E. Applicants with a foreign qualification:

- **academic diploma of the Master degree** (Master of Science/Arts or equivalent), in its original language
- **Diploma Supplement (DS)**⁸ (drafted according to the form developed by the European Commission, the Council of Europe and UNESCO / CEPES);

alternatively

- **Declaration of value**⁹ which certifies that the educational qualification is valid in the country of issuance for admission to a Doctoral programme (third level of higher education according to the Bologna Process - European Higher Education Area; EQF level 8);

alternatively

- **Statement of comparability of foreign university qualification**¹⁰ issued by the ENIC-NARIC Center in Italy (CIMEA) that contains all the information necessary for the assessment of the qualification.

If the foreign academic qualification has already been recognized as equivalent¹¹ to a second cycle Italian qualification **by the competent academic bodies of Italian universities**, the equivalence provision (Rectoral Decree) must be attached in the appropriate section of the online application.

7. The University will accept additional documents to be included in the application submitted if sent by email to ateneo@unitn.it (**Subject:** "Application ID number- candidate's Surname and Name - PhD in Physics – 37th cycle - Supplement to application") **by May 24th, 2021 at 4:00 p.m. Italian time**. Additional documents submitted by other means will be disregarded.
8. Only documents (originals or copies) in English and Italian will be taken into consideration for the selection by the Selection Committee; for all other languages it is compulsory to attach a translation into English or Italian signed by the applicant.
9. All applicants are admitted to the selection procedure **conditionally upon ascertainment that they fulfill the admission requirements**. The University of Trento has the right to verify the documents delivered pursuant to articles 71 et seq. of the Presidential Decree no. 445 of 28.12.2000. **The University can at any time, even after enrolment and upon justified reasons, decide the exclusion of candidates lacking the requirements specified in the present call.**
10. According to Italian Law no. 104/92, Art. 20 and to Italian Law no. 68/99, Art. 16 (1), applicants with special needs or with learning disabilities may explicitly request in their application special assistance or extra time during the examinations, in accordance with their disability. In this case personal data will be processed in compliance with the current law as indicated in the GDPR Privacy notice.

⁸ The Diploma Supplement accompanies a higher education diploma, providing an improvement in international "transparency" and a promotion of the academic and professional qualifications obtained (diploma, degrees, certificates, etc.). The Diploma Supplement must be issued by the same institution that issued the qualification. Further information at www.cimea.it/en/servizi/il-sistema-italiano-di-istruzione-superiore/diploma-supplement.aspx and http://ec.europa.eu/education/resources/diploma-supplement_en.

⁹ Further information about DoV and equivalence: <http://www.cimea.it/en/servizi/procedure-di-riconoscimento-dei-titoli/glossario.aspx>.

¹⁰ Further information about Statements of comparability and qualifications certification: <http://www.cimea.it/en/servizi/attestati-di-comparabilita-e-certificazione-dei-titoli/attestati-comparabilita-certificazione-titoli-overview.aspx>.

¹¹ Details at <http://www.cimea.it/en/servizi/pil-sistema-italiano-di-istruzione-superiore/qualifiche-del-sistema-universitario.aspx>.



Art. 4 – EVALUATION OF APPLICATIONS

1. The evaluation is made by a Selection Committee appointed by the Rector upon advice from the Doctoral Committee, in accordance with the University doctoral regulations. The Selection Committee sets the evaluation criteria during a preliminary meeting.
2. The selection procedure is designed to rank, comparatively, the knowledge and aptitude of the applicants to carry out research in areas related to the PhD Programme.
The selection is made on the basis of the assessment of:
 - All the mandatory applicant's qualifications listed in previous art. 3
 - An oral examination which is designed to assess the candidate's background about the Doctorate scientific areas, to discuss past research – included Master's thesis - and professional experience, and qualifications submitted. The level of knowledge of English will also be assessed. In order to be allowed to oral examination the candidate must provide a valid ID/passport with photo.
3. Applicants interested in applying also for one or more **reserved scholarships** must make an explicit request and specify the order of preference when filling in the online application; they will be also required to confirm their interest during the oral examination. Regarding additional reserved scholarships added after the publication of this Call, candidates will be required to confirm their interest before the oral interview. During the interview, candidate eligibility for the additional reserved scholarship/s will be specifically evaluated.

IMPORTANT NOTICE: the candidate's choice to compete also for the reserved scholarships implies a preference on his/her part for the awarding of that specific scholarship over the others.

4. The Admissions Committee may assign each candidate 100 points as follows:
 - 30 points: assessment of qualifications, optional attachments and reference letters included;
 - 70 points: interview.

Candidates obtaining a minimum score of 15/30 for the assessment of qualifications will be admitted to the oral examination. The interview is successfully passed with a minimum score of 30/70. Applicants obtaining an overall score of 60/100 will be short-listed.

5. The assessment of qualifications will be held in the period **May 27th - 28th, 2021**.
Interviews will be held in the period **June 3rd – 10th, 2021**.
6. The interviews will be held online using audio-video connection tools, that allow:
 - the correct identification of the participants (through a webcam);
 - the conduction of the oral test in a public form.Further details will be posted on the call for selection [web site](#).
The date and time of the oral exam will be published on the selection website at least 20 days in advance. The candidates not showing up at the oral exam will be considered as renouncing their participation to the selection procedure, whatever the reason.
Possible changes in the date of the examinations will be posted on the selection web page.
In order to be admitted to the oral exam the candidate must provide a valid photo ID/passport.
To simplify the identification procedures, the ID should preferably be the same document attached when filling in the online application.

Art. 5– RANKINGS

1. At the end of the selection procedure, the Selection Committee draws up one general ranking.
2. Positions with or without scholarship are assigned to short-listed applicants according to:
 - a) the position in the ranking;
 - b) for reserved scholarships, the applicant's eligibility for that specific scholarship.In case of equal score see following art. 6.
3. Non-allocated scholarships on reserved topics will result in the reduction of the number of positions available.

Art. 6 – ADMISSION TO THE DOCTORAL PROGRAMME AND ACCEPTANCE OF THE POSITION

1. Short-listed applicants are admitted to the PhD Programme based on the final ranking until all available positions have been filled. All applicants compete for the award of the scholarships funded by the University



of Trento; however, applicants who have been awarded a scholarship on a specific reserved topic must accept it. Renunciation of the reserved scholarship implies the applicant's exclusion from the right to enroll in the PhD Programme.

2. Should two candidates obtain the same score, regarding the award of the scholarship, the candidates' economic situations shall be the deciding factor, in accordance with the criteria established by the Italian Prime Minister's Decree of 09.04.2001 and subsequent amendments and integrations. As for positions without scholarship, the younger of the two candidates will be selected.
3. Admitted applicants must send the acceptance of position following the instructions at <https://www.unitn.it/en/node/1928>:
 - **within 8 days** starting from the day following publication of the final ranking lists on the selection website for **positions with scholarships or other form of financial support**;
 - **within 14 days** starting from the day following publication of the final ranking lists on the selection website for **positions without scholarships or other form of financial support**.

N.B.! Admitted applicants with a qualification that has not been awarded in Italy must deliver (if they had not already done so during the application phase – "Application procedure") the Doctorate Office S&T (email: phd.office-st@unitn.it) by **November 8th, 2021**, sending them in advance by email:

- **academic diploma of the Master degree** (Master of Science/Arts or equivalent) in the original or certified copy, **together with the academic transcript of records**, possible official translations¹², legalized or with an apostille affixed¹³ (please carefully verify the fulfillment of the requirements set by the issuing country of the title).

In addition to the above-mentioned documents, admitted applicants must show:

- **Diploma Supplement** (if provided for by the university where the title was issued, it is commonly used within the member countries of the European Higher Education Area (EHEA)

alternatively

- **Declaration of Value**¹⁴ issued by the Italian diplomatic or consular representations country of origin of the institution that awarded the title

alternatively

- **Statement of comparability of foreign university qualifications** issued by the ENIC-NARIC Center in Italy (CIMEA) that contains all the information necessary for the assessment of the qualification.

In case the Diploma Supplement, or the Declaration of Value, or the Statement of comparability are not available by **November 8th, 2021**, admitted applicants must deliver a document showing that they asked the University/the Italian diplomatic or consular representations/the ENIC-NARIC center for the documents to be issued.

Admission to the Doctoral Programme for successful candidates who do not provide the required above-mentioned documents by November 8th, 2021 will be "conditional" and the applicants will be excluded from the Doctoral Programme if:

- they do not deliver the documents within 12 months from the starting date of the Programme;
- upon verification, their title is not in compliance with the requirements of this call for selection.

Their non-delivery may result in exclusion from the Doctorate.

4. Note that the acceptance of a position must include the payment of stamp duty and the payment of the "provincial tax for the right to higher education" - TDS¹⁵ (except for exemption cases). At present, no fees are charged to doctoral students to access courses and attend them, with the exception of the aforementioned annual provincial tax for the right to study (TDS).
5. Admitted applicants who do not accept the position by the above-mentioned deadlines will lose their right to registration, and their places will be offered to the next applicants on the ranking.

¹² See: <https://www.esteri.it/mae/en/servizi/italiani-all-estero/traduzione-e-legalizzazione-documenti.html>.

¹³ See: <https://www.studiare-in-italia.it/studying/info-13.html>.

¹⁴ Should the Declaration of Value not be available by the given deadline, the applicant has to produce evidence of the request to the Diplomatic mission. The applicant has to provide the original copy of the Declaration of Value as soon as it is available.

¹⁵ Note that the total amount of the TDS and the stamp duty must be paid only by credit card following the instructions. Page <https://www.unitn.it/en/ateneo/1931/education-tax-tds-and-stamp-duty> provides information on exemption from the TDS.



6. If a successful applicant withdraws **before the beginning of the PhD Programme** (November 1, 2021), the next applicant on the ranking will be offered the position, if entitled to it based on the eligibility assessment for reserved scholarships. The latter must submit his/her acceptance of the position **within 4 days** starting from the day after the day on which the communication from the Doctorate Office S&T is sent.
7. If a successful applicant withdraws or is excluded after the beginning of the PhD Programme and **during the first quarter of the first year**, the Doctoral Committee may decide to fill the vacancy with the next applicant on the ranking, taking into account the acquired eligibility for reserved scholarships.
8. At the end of enrolments, doctoral students must inform by e-mail the PhD secretariat (phd.physics@unitn.it) about the exact date of their arrival in Trento. In the event that, for proven reasons, the student cannot be in Trento for the beginning of the academic year, he/she must provide timely and documented notification, no later than **November 6th, 2021**.
Due to the unpredictable Covid-19 health emergency situation, during the first semester of the academic year 2021/22 in order not to stop teaching and research doctoral activities, the same could be given both in person and remotely.

Art. 7 – SUPERNUMERARY POSITIONS

1. According to art. 20, par. 3 of the University Regulations for Doctoral Programmes, and up to the number of positions indicated in art. 1 (not more than **2**), supernumerary applicants may be admitted without a scholarship paid by the University, after passing the selection procedure, if they fall within one of the following categories:
 - a) shortlisted foreign candidates who are granted scholarships by other entities;
 - b) shortlisted candidates from countries with which a specific inter-governmental agreement has been signed, and with which an ad-hoc agreement with the University is then made, without the University of Trento being required to assume any financial obligations;
 - c) research fellows (*Assegnisti di ricerca*) whose contract lasts for a minimum of 24 months as from the starting date of the Programme and researching a subject relevant to the PhD Programme; such relevance has to be determined by the Doctoral Programme Committee;
 - d) Italian civil servants or under Italian public law regime. Admission is subject to placement on leave under Art. 2 of the Law of 13.08.1984 no. 476 and subsequent amendments.
2. Short-listed applicants who wish to assert their requirements for supernumerary positions shall request for such admission by submitting appropriate documentation proving their status via e-mail to phd.office-st@unitn.it, **within 8 days** from the next day of the publication of ranking lists. Supernumerary admission is determined by the number of supernumerary positions listed in at art. 1 following the order in the ranking.
3. After verification of the documents referred to in paragraph 2 of this article, applicants admitted to supernumerary positions will receive an email notification from the Doctorate Office S&T (phd.office-st@unitn.it) and must deliver their acceptance within the deadline specified in the email text itself.
4. Any candidate selected by special committees for admission related to specific international mobility programmes in which the University of Trento participates, may also be admitted to positions additional with respect to the quota specified at point 1 of this article.

Art. 8 – ENROLMENT ON THE PHD PROGRAMME

1. According to Ministerial Decree no. 45 of 08.02.2013, the PhD programme can only be activated upon accreditation or its confirmation by the Ministry of Education. Therefore, enrolment on the PhD Programme, only for admitted candidates who have accepted the position as mentioned above, will be automatically formalized as soon as the aforementioned accreditation has been received or its confirmation has been approved. If accreditation is not confirmed, candidates who have accepted a place will receive timely notification via email, and the fee for the Right to Education (TDS) will be refunded.

Art. 9– INTELLECTUAL PROPERTY RIGHTS ON RESEARCH RESULTS AND PUBLICATIONS

1. Without prejudice to the Italian legislation on copyright (Legislative Decree no. 633/1941 and subsequent amendments), intellectual and industrial property rights on the results eventually achieved by the student, including, but not limited to, software, patentable industrial inventions, know-how, models, data and data collection, are regulated in accordance with applicable laws and University regulations and, if necessary,



according to the provisions in the individual agreements with universities, companies or other institutions involved.

Art. 10 - PROCESSING OF PERSONAL DATA

1. Pursuant to art. 13 of Regulation (EU) 2016/679 (General Data Protection Regulation), applicants, acting as data subjects, are advised that the University will process their personal data in the public interest only for purposes related to the present PhD selection procedure and to comply with law obligations.
2. The data joint controllers are:
 - the University of Trento, via Calepina 14, 38122 Trento (Italy), email: ateneo@pec.unitn.it; ateneo@unitn.it.
 - the National Institute for Nuclear Physics (INFN), Via Enrico Fermi 40, (Rome – Italy).The joint controllers agreed upon an arrangement between them, as provided for in art. 26 of the GDPR.
3. The joint controllers process personal data for reasons of substantial public interest (according to art. 6, comma 1, letter e) and art. 9, paragraph 2, letter g) of the GDPR).
4. The provision of personal data is mandatory to participate in the selection procedures and failure to provide them results in the impossibility to take part in the call.
5. Personal data are processed wholly or partly in paper forms and/or by automated means by the joint controllers' personnel, who is authorized to data treatment according to their tasks and in respect of confidentiality obligations.
6. Personal data can be disclosed, in addition to the inner divisions of the two Universities, to other third parties (public and private, e.g. MIUR, ANVUR) in order to correctly fulfil the above-mentioned purposes, within academic relationships, in performance of law, regulations and contract obligations, or in compliance with a provision of the Authority of Public Security and/or the Judicial Authorities.
Data can be disclosed also to public and private funding bodies, in relation to financed scholarships.
7. Personal data will be stored as long as necessary to fulfil the above- mentioned procedure and anyway for all the time required to comply with legal obligations and/or regulations on the matter.
8. At any time, the data subjects can ask the controller to exercise their rights in accordance with art. 15 and seq. of GDPR, and in particular the right of access to his/her own personal data, right to rectification, right to erasure ('right to be forgotten'), right to restriction of processing and the right to object to processing.
This is without prejudice to the right to lodge a complaint with the Supervisory Authority in accordance with art. 77 of GDPR.
9. The data subjects may contact the Data Protection Officer (DPO or RPD) to have information about processing of their personal data or to exercise their rights writing to:
 - for the University of Trento: via Verdi 8, 38122 Trento (Italy), email: rpd@unitn.it.
 - for INFN: via Enrico Fermi 40, - 00044 Frascati – Roma (Italy), email: dpo@infn.it.

Art. 11 - REFERRAL RULES

1. For matters not explicitly mentioned in the present call, refer to Law no. 398 of 30.11.1989, art. 4 of Law no. 210 of 3.07.1998 as amended by art.19, par. 1, of the Law no. 240 of 30.12.2010, to Ministerial Decree no. 45 of 08.02.2013 and to the University Regulations for Doctoral Programmes issued by Rector's Decree no. 742 of 28.10.2016, to the Code of Ethics of the University of Trento, to the Internal Regulations in force of the PhD Programme in Physics, and to the other relevant provisions contained in the current legislation.
2. This call, accompanied by its translation into English, is published on the University website, on the website of the Italian Ministry of Education and on Euraxess. Any changes or additions to the call will be made available only on the selection website specified in art. 1.

On behalf of
The Rector
The Head of Education and Student Services
dott. Paolo Zanei

ANNEX B

Declaration substituting **DEGREE CERTIFICATE¹**

(Article 46 - letters l, m, n - D.P.R. 28 December 2000, No. 445)

The undersigned _____

place of birth (*city, country*) _____ date of birth _____

official address (*street, number, zip code, city, country*) _____

Mob. _____ e – mail _____

aware of the penal sanctions pursuant to Article 76 of the Italian Presidential Decree no. 445 of 28.12.2000 for falsifying documents and making mendacious declarations

DECLARES

A) TO HAVE GRADUATED (degree for admission to PhD, click the corresponding box):

Type of degree Laurea magistrale/specialistica
 Italian University degree of the previous regulations in force (*vecchio ordinamento*)

in: _____

Specialization (*Classe di laurea* ID code): _____

on __dd__ / __mm__ / __yy__ from University of² _____ (town
_____ - Italy) with mark _____ out of _____

AND TO HAVE PASSED THE FOLLOWING EXAMS (**fill out the following Section C**)

Alternately:

B) TO HAVE NOT YET GRADUATED and to be aware that admission to the Doctoral Programme is conditional upon submission of the degree diploma/certificate by the date cited in the announcement.

Graduating in: _____

Specialization (*Classe di laurea* ID code): _____

University of: _____ in Italy.

Expected graduation date: _____

AND TO HAVE PASSED THE FOLLOWING EXAMS (**fill out the following section C**)

SECTION C: List of exams taken (titles, marks, credits – if available, and dates are mandatory):

¹ **To be noted:** self-declarations can be delivered only if concerning facts and information which can be verified by an Italian public administration.

In case of non-European citizens this is possible only if they are in possession of a valid stay permit, which must be attached to the declaration.

- The self-declaration shall provide all the information required, and data related to the mark, date and place of obtaining of the degree are mandatory;

- The self-declaration shall be duly signed and dated.

² Graduates of the University of Trento may only declare the date of awarding of the degree; other information will be collected automatically.

