

**CALL FOR ADMISSION TO PHD COURSE IN TECHNOLOGIES FOR FUNDAMENTAL RESEARCH IN
PHYSICS AND ASTROPHYSICS
FOR THE XXXIX CYCLE**

The deadline for this call is 1 pm (CEST) of September 4th 2023

Art. 1 - SUBJECT OF THE CALL

1.1 The selections for admission to the PhD Program of National Interest in **TECHNOLOGIES FOR FUNDAMENTAL RESEARCH IN PHYSICS AND ASTROPHYSICS** for the academic year 2023/2024 - XXXIX cycle are announced at the University of Padua (hereinafter selections).

The specific course sheet (Appendix 1) indicates the research topics, the methods and criteria for selecting candidates for the purposes of forming the rankings.

The form also indicates the number of study places with SCHOLARSHIP that will be assigned according to the order of the Course rankings.

1.2 The following institutions / universities participate in the doctorate:

- Università degli Studi di Padova (sede amministrativa)
- Gran Sasso Science Institute - Scuola di dottorato internazionale
- Istituto Nazionale di Astrofisica
- Istituto Nazionale di Fisica Nucleare
- Politecnico di Bari
- Politecnico di Torino
- Università degli Studi di Bari Aldo Moro
- Università degli Studi di Cagliari
- Università degli Studi di Genova
- Università degli Studi di Napoli Federico II
- Università degli Studi di Roma "La Sapienza"
- Università degli Studi di Roma "Tor Vergata"
- Università degli Studi Roma Tre

1.3 The enrolled doctoral students, as they are involved in a single, joint and shared didactic-scientific project, can carry out their research and training activities in the different locations of the universities / bodies involved in the national doctorate. These doctoral students are guaranteed effective sharing of the facilities necessary for carrying out the teaching and research activities aimed at the realization of the doctoral project.

1.4 The National Recovery and Resilience Plan (PNRR) in the Action Line of Mission 4 Component 1 and 2 has allocated resources for the financing of doctoral scholarships for courses dedicated to:

- PNRR issues;
- public administration;
- innovative paths that respond to the innovation needs of companies.

The MUR has implemented these measures to support the research doctorate with the initiatives contained in the Ministerial Decrees no. 117 and n. 118 of 2 March 2023 with which the resources allocated by the PNRR for the financing of doctoral scholarships for the 39th cycle are divided and assigned to the universities.

The University of Padua has selected the research projects to be activated within the University's PhD courses accredited for the XXXIX cycle. These projects, pursuant to the aforementioned Ministerial Decrees 117/2023 and 352/2024, are:

- a. consistent with the goals of Regulation (EU) 2021/241, with the overall strategy and the Detail Sheet of the RRP Component;
- b. oriented to achieve the results measured through milestones and targets that may be assigned to the investment within the terms set in the Plan;
- c. in accordance with the principle "Do No Significant Harm" (DNSH) pursuant to art. 17 of Regulation (EU) 2020/852, consistent with the technical guidelines provided by the European Commission (Communication of the European Commission 2021/C58/01);
- d. suitable for addressing and overcoming gender inequalities;
- e. in support of the participation of women and young people, also in accordance with the provisions of Decree Law No. 77 of 31 May 2021 (also known as Simplification Decree), as amended by the Conversion Law No. 108 of 29 July 2021, concerning the management of the National Recovery and Resilience Plan.

The selected projects should also aim at:

- a. focusing on disciplinary and thematic fields consistent with the needs of the country, as well as of the regional territories interested by the programme, in terms of highly qualified human resources oriented to the innovation needs of the companies;

- b. providing for the implementation of the entire doctoral programme, education, research and evaluation, at the administrative and operating headquarters of the university, with the exception of the planned periods of study and research at the company and abroad;
- c. ensuring that the PhD candidate benefits from qualified and specific operational and scientific facilities to perform study and research activities, scientific laboratories, libraries, database, etc.;
- d. providing for the implementation of educational activities for linguistic and IT improvement, for research management and knowledge of the European and international research systems, for the enhancement of research results and intellectual property rights;
- e. promoting the enhancement of research results and the protection of intellectual property rights, ensuring open access to research results and related data to the public within the shortest time and with the least number of possible limitations, in accordance with the "Open Science" and "FAIR Data" principles;
- f. ensuring the respect of the horizontal principles of the RRP (environmental sustainability; sustainable development; equal opportunities and non-discrimination; accessibility for people with disabilities).

The PhD projects include mandatory periods of study and research at the company from a minimum of six (6) months to a maximum of eighteen (18) months, and mandatory periods of study and research abroad from a minimum of six (6) months to a maximum of twelve (12) months according to the following table:

| | | | Periods abroad | Periods at the company/in centers |
|--------|-------------|---|----------------|--|
| DM 117 | M4C2 I. 3.3 | Scholarships co-funded by companies | mandatory | mandatory in companies |
| MD 118 | M4C1 I. 3.4 | Research on digital and environmental transitions | mandatory | mandatory in companies or research centers |
| | M4C1 I. 4.1 | Research on PNRR topics | mandatory | elective |
| | | Research in the frame of Public Administration | mandatory | mandatory in companies, research centres or Public Administration |
| | | Research in the frame of the cultural heritage | mandatory | mandatory in companies, research centres or Public Administration including museums, institutes of the Ministry of Culture, archives and libraries |

Further to the enrolment, the Italian Ministry for University and Research (MUR) will verify the eligibility of the projects and the Italian National Agency for the Evaluation of Universities and Research Institutes (ANVUR) will verify the compliance with the requirements of Ministerial Decrees no. 117/2023 and 118/2023. Whether these checks are positively completed, MUR allocates the funding to the University. The assignment of scholarships referred to in this call is therefore to be considered conditionally subject to the positive evaluation of both consistency and eligibility and the allocation of ministerial funds.

Art. 2 – ADMISSION REQUIREMENTS

2.1 Anyone in possession of the following, regardless of nationality, may apply to take part in the selection process:

- diploma di laurea (pre-reform regime);
- laurea specialistica/magistrale (post-reform regime);
- Second-level academic qualifications awarded by AFAM (Higher Education in Art and Music) institutions.

2.2 Admission to the selection process for candidates who have not yet been awarded their academic qualification

Anyone yet to be awarded the required academic qualification, but who will have received it by and no later than October 31st 2023, may also apply to take part in the entry examinations. Otherwise, admission to the course will be denied. During the application phase, these candidates must attach:

- certificate or self-certification (in the cases provided for by Italian law) attesting the enrolment in a second cycle degree (Master's);

- certificate or self-certification (in the cases provided for by Italian law) of the first cycle degree (Bachelor's) with grade;
- certificate or self-certification (in the cases provided for by Italian law) of the list of exams/transcript of records of both first (Bachelor's) and second-cycle degree (Master's), with grade;
- any other document deemed useful for the assessment of the suitability of the qualification held (e.g. Diploma Supplement, Declaration of Value, Statements of Comparability and Verification issued by ENIC-NARIC centres).

Admission will be conditionally granted to these candidates, who will have to provide self-certification regarding the qualification awarded (or the certificate itself if the qualification was awarded in a non-EU country), together with an identity document by November 7th 2023. Said certification must be sent via email to phd.application@unipd.it. The self-certification (or the certificate itself if the qualification was awarded in a non-EU Country), must indicate the name of the university that awarded the qualification, the date it was awarded, the kind of degree (second-cycle Italian - degree, Master's Degree or equivalent qualification), and the grade achieved, together with a copy of a valid identity document.

2.3 Admission to the selection process for candidates with an academic qualification awarded abroad

Applicants with an academic qualification awarded abroad can be admitted to a PhD course only if the above-mentioned qualification is equivalent to a second-cycle Italian degree ("Laurea magistrale a ciclo unico"/"Laurea specialistica"/"Laurea magistrale") awarded at an officially recognized foreign academic institution, which grants admission to a PhD course in the education system/Country in which it was awarded (except for significant differences). Said qualification must be comparable to the Italian degree required for the admission to a PhD course (i.e. Master's Degree or another equivalent second-cycle degree).

Admission to the selection process will be conditionally granted to those candidates in possession of an academic qualification awarded abroad that has not yet been officially recognised as equivalent to a second-cycle Italian qualification by the competent academic bodies of Italian universities.

To this end, when completing the online application process, the candidate must request that their qualifications be verified and attach the following documents:

A. For candidates in possession of an academic qualification:

- certificate or self-certification (in the cases provided for by Italian law) of both first (Bachelor's) and second-cycle degree (Master's), with grade;
- certificate or self-certification (in the cases provided for by Italian law) of the list of exams/transcript of records of both first (Bachelor's) and second-cycle degree (Master's), with grade;
- any other documentation deemed useful for the assessment of the suitability of the qualification held (e.g. Diploma Supplement, Declaration of Value, Statements of Comparability and Verification issued by ENIC-NARIC centres).

B. For candidates yet to be awarded the required academic qualification:

- certificate or self-certification (in the cases provided for by Italian law) of first (Bachelor's) cycle degree, with grade;
- certificate or self-certification (in the cases provided for by Italian law) of the list of exams/transcript of records of both first (Bachelor's) and second-cycle degree (Master's), with grade;
- certificate or self-certification (in the cases provided for by Italian law) attesting the enrolment in a second cycle degree (Master's);
- any other documentation deemed useful for the assessment of the suitability of the qualification held (e.g. Diploma Supplement, Declaration of Value, Statements of Comparability and Verification issued by ENIC-NARIC centres).

The above-mentioned documents must be drawn up in Italian or English, under penalty of exclusion from the selection. In cases where self-certification is not allowed (e.g. non-EU candidate with a qualification awarded abroad), if the official documentation issued by the university where the qualification was obtained is not already in English, the candidate must attach also a certified translation in Italian or English. The Selection Committee evaluates the suitability of the foreign degree according to the documentation attached to the application, and can therefore exclude the candidate if such documentation does not provide sufficient information for the assessment.

Art. 3 - APPLICATION FORM

3.1 The application form to participate in the selection process may only be submitted using the dedicated online procedure, available at: <https://pica.cineca.it/unipd/dottorato-fis2023/>

Application forms must be submitted no later than 1 pm (CEST) on the announcement deadline date (September 4th 2023).

Scholarships with a specific topic are linked to specific curricula as indicated in the course information sheet. Only candidates who have expressly requested it in the application will be able to compete for the priority research grants, selecting the related topics. This will be a binding priority choice. Candidates may apply for admission to more than one priority research grants, with a maximum limit of 3 specific topics, in addition to the free research topic scholarship. These choices are irrevocable.

3.2 All required documents to be submitted listed in the information sheet of the PhD course must be attached to the application form, together with a copy of a valid identity document. All documentation must be attached in pdf format.

For all legal purposes, the application is to be considered as a self-certification of the data included therein and of the attached documents, in accordance with articles 46 and 47 of Italian Presidential Decree no. 445/2000 and subsequent amendments.

Once the application form has been completed, it must be printed, signed and re-uploaded following the instructions described in the online procedure, and copy of a valid identity document must be attached. A missing signature and/or missing identity document could lead to exclusion from the selection process.

The online procedure for submitting the application form can be also accessed through SPID (Public Digital Identity System), by choosing the University of Padova from the list of providers available: in case of access via SPID, no signature will be required when submitting the application.

3.3 After closing the application, the candidate can, where applicable, request reference letters by completing the appropriate section on the application form. The candidate can request reference letters before the same closing date for applications, i.e. September 4th 2022 at 1 pm (CEST). A notification for completion of the letter will be sent to the referee only after the application has been fully submitted.

The referee will be automatically notified by the system and will have to personally complete the reference letter section in the online procedure and submit it by the deadline of **September 6th 2023 at 1 pm (CEST)**. Reference letters attached by the candidate will not be taken into consideration.

3.4 The application is automatically sent to the University when the online procedure has finally been completed. Therefore, no paperwork needs to be delivered or sent to the University's offices.

3.5 Candidates are invited to complete applications for the selection process well in advance of the closing date specified in this competition notice.

Candidates are responsible for verifying that the procedure is completed correctly. No complaints will be accepted for any malfunctioning of the IT system due to overload experienced by candidates near the closing date.

3.6 Candidates with disabilities or specific learning disabilities (SLD) may support the admission tests with reasonable adjustments, making an explicit request to the Student Services Office - Inclusion. To this end it is necessary to:

- 1) request the individualized test through the dedicated online application;
- 2) send an email to inclusionestudenti@unipd.it specifying the supports, aids or compensatory measures needed (additional time assigned cannot exceed 30% for candidates with SLD and 50% for candidates with disability):

3) send the relevant documentation to the Student Services Office – Inclusion (inclusionestudenti@unipd.it), together with a copy of a valid identity document by 1 pm of September 4th 2023.

Useful documentation for reasonable adjustments includes:

certification pursuant to Law 104/1992;

civil disability certification;

SLD diagnosis certification (issued for no more than 3 years, or renewed as an adult, by facilities of the National Health Service or by specialists and accredited facilities).

Candidates with disabilities or specific learning disabilities (SLD) residing in foreign Countries must submit the certification about disability or SLD issued in the Country of residence, together with a sworn translation in Italian or English. On the basis of the documentation presented, and after possible interview with dedicated personnel (way to be agreed), supports for the test will be considered.

It is therefore recommended to contact the Student Services Office – Inclusion well in advance of the date of the test, by sending an email to inclusionestudenti@unipd.it.

Further information can be found at the following link: <https://www.unipd.it/en/inclusion-reception-and-admissions-tests>.

3.7 All places are priority research grants, which means that the activity on a specific research topic must be carried out at a specific location, as reported in the Appendix. Scholarships can only be awarded to candidates deemed suitable by the Commission for the execution of the specific Topic.

Art. 4 – ADMISSION PROCEDURES AND EVALUATION CRITERIA

4.1 The selection procedures and the dates of the examinations are indicated in the Course information sheet. **The dates of the examinations indicated in the Course information sheet are to all intents and purposes an official invitation, therefore candidates will not receive any notice or communication regarding the examination tests.**

To take the examinations, candidates must connect on the day and at the time indicated in the aforementioned information sheet, providing a valid identity document (e.g. a national identity card, passport or driving licence). Absence from the interview, whether in person or remotely, will result in exclusion from the selection.

4.2 The Committee will carry out a pre-selection on the basis of the academic qualifications presented by the candidate. Candidates who pass the pre-selection phase, obtaining a minimum score of 7/10, will be admitted to the oral examination.

Oral examinations will be considered passed if the candidate obtains a mark equivalent to at least 7/10.

4.3 Candidate will take the oral examination remotely; in this case the oral examination will take place via Zoom or, if not available in their country, another equipment agreed with the Selection Committee. Candidates must guarantee that they will use a webcam in order for them to be correctly identified by the Selection Committee and that they will connect on the day of the oral examination.

For identification purposes, and under penalty of exclusion from the selection process, candidates are required to identify themselves showing the same identity document already sent as an attachment to the application before the start of their oral exam.

Failure to connect or be reachable on the day and at the time agreed, or failure to show a valid identity document pursuant to the previous paragraph, may result in exclusion from the selection process.

The University of Padova shall accept no responsibility for any technical issues that may prevent the oral examination from being correctly carried out.

4.4 Oral examinations are public.

Art. 5 – SELECTION COMMITTEE

The Selection Committees are appointed by the Rector according to the proposal put forward by the PhD Board, in accordance with the University Regulations governing PhD Programmes.

Art. 6 – RANKINGS AND ADMISSION TO COURSES

6.1 The results of the evaluation will be published on the webpage <https://www.unipd.it/en/national-phd-programme-technologies-fundamental-research-physics-astrophysics> in the section dedicated to the Call.

The publication on the website has the value of notification. No communication will be sent to candidates by e-mail.

6.2 After the publication of the results of the evaluation of candidates, a final ranking list will be published through a Rector's Decree on the webpage <https://www.unipd.it/en/national-phd-programme-technologies-fundamental-research-physics-astrophysics> in the section dedicated to the Call. The scholarships will be awarded on the basis of the sub-rankings formulated in relation to each position on research topics.

The rankings will be made public from September 28th 2023 through:

- Publication on the University's official register;
- Publication on the University of Padova website: <https://www.unipd.it/en/national-phd-programme-technologies-fundamental-research-physics-astrophysics>

Publication of enrolment deadlines are to be considered as official notification for all intents and purposes.

No personal communication will be sent to the candidates. Candidates granted admission to the Courses are responsible for checking enrolment dates and procedures.

6.3 Specific topic scholarship assignment

In the final ranking list, each candidate's potential eligibility to the specific topic scholarships they applied for and the related curriculum will be stated.

The scholarships will be assigned based on the performance ranking.

In case the winner is eligible for a specific topic scholarship, this, as stated in art. 3, will be assigned as a priority.

If more than one candidate is eligible for the same specific topic scholarship, the Committee will assign the scholarship according to the ranking.

If one candidate is eligible for more than one specific topic scholarship, the Committee will decide which one to confer.

Art. 7 – PHD COURSES AND MEDICAL SPECIALISATION SCHOOLS

7.1 If successful in the selection process for a PhD, students enrolled at medical Specialisation Schools will be allowed to enrol in a PhD Course in compliance with the following conditions:

- compatibility, also in consideration of the distance between the seats, of the activities and commitment envisaged by the Specialization School and the PhD Course, certified by the Board of the Specialisation School and by the Academic Board of the PhD Course;
- incompatibility between the PhD grant and the emoluments, however denominated, received in relation to the activities of the specialization school.

7.2 In cases of joint attendance, the request for a reduction in doctoral activities is approved by the Academic Board of the PhD Course, after a positive assessment of the consistency of the research activities already carried out in the medical Specialization course with the doctoral project. In order to accept the application referred to in this paragraph, the opinion of compatibility, expressed by the Board of the Specialization School, of the doctoral project with the didactic purposes of the Specialization School is also required. If the application referred to in this paragraph is accepted, the PhD Course will have in any case a duration of no less than two years.

Art. 8 – ENROLMENT

8.1 Successful candidates must enrol by **October 06th 2023**, following the procedures published together with the rankings.

Failure to enrol by the deadlines set for each Course will be considered as renunciation of the place, which will subsequently be assigned to the next candidate according to the ranking.

8.2 The enrolment form must contain all the attachments indicated in the instructions, including a copy of a valid identity document and a passport-size photograph; after concluding the enrolment procedure, the regional fee (art. 11) must be paid as indicated.

The simultaneous enrolment of students in two courses of study is allowed in accordance with the provisions of Law no. 33 of 12 April 2022 and the related implementing decrees.

When completing the enrolment form, the successful candidate declares, inter alia, that:

- They shall undertake to ask the competent body of the Course for authorisation to carry out work outside of the course;
- They have not already benefited from another PhD Course grant in the past;
- They will not accumulate the grant with another grant, awarded for whatever reason, except for those assigned by national or international institutions for the purposes of integrating the research activities of the PhD student with time spent abroad;
- They are aware that the grant is only awarded to those who have a yearly income (gross sum) that is below the equivalent of a year's grant amount for the tax years when the grant will mainly be used, and shall provide prompt notification should their income exceed this limit;
- They shall undertake to pay back the monthly grant instalments received in the academic year in which their income exceeded the limit.

8.3 Candidates with a foreign qualification must also attach to their application:

- in case of academic qualifications awarded in non-EU Countries: a copy, in Italian or English, of the second-cycle degree as well as a copy of the certificate indicating the examinations taken and the relative grades, together with the translation, legalisation and Declaration of Value issued by Italian diplomatic or consular authorities or, alternatively, Statements of Comparability and Verification issued by ENIC-NARIC;
- in case of academic qualifications awarded in European Union Countries: Diploma and Diploma Supplement in English for the second-cycle qualification or, alternatively, Statements of Comparability and Verification issued by ENIC-NARIC centres;
- a valid stay permit if already issued, or a copy of the request made to the competent authorities within 8 working days of arriving in Italy (only for non-EU citizens).

Should there be any doubts regarding the nature or validity of academic qualifications awarded in EU countries, the University reserves the right to request the certificate or a Declaration of Value. For further information on the Declaration of Value, visit the web page <http://www.studiare-in-italia.it/studying/info-07.html>.

Candidates in possession of a foreign academic qualification who have not provided the required documentation requested at the time of enrolment will be enrolled conditionally and will be excluded from the PhD course, with the obligation of refunding grant instalments unduly received, if:

- They do not submit such documentation within 12 months of the start of the course;
- Following verification, the academic qualification does not meet the requirements of the present competition notice and does not permit enrolment on the PhD course.

Art. 9 – VACANT PLACES

Following explicit or tacit withdrawal by successful candidates before the start of the course, the PhD Office will contact directly the other eligible candidates according to the ranking drawn up for that specific research topic, in order to assign them vacant places available (if any).

Art. 10 - GRANTS

10.1 Grants are only awarded to those who have a yearly income (gross sum) that is below the equivalent of a year's grant amount for the tax years when the grant will mainly be used. Should the grant holder's income exceed this limit, they will lose their right to the grant for the academic year in which the limit was exceeded. In this case, the PhD student concerned will be obliged to pay back any monthly grant instalments already received.

Should applications have equal merit, the assessment of the applicant's economic situation is the deciding factor in awarding a grant. This is calculated pursuant to ISEE (Equivalent Economic Situation Indicator) values. Unfunded places will be awarded to the younger applicants.

10.2 In accordance with Italian Ministerial Decree 247 dated 23 February 2022, published on the Official Gazette no. 80 of 5/4/2022, the annual amount of the grant is € 16.243, gross sum, less national insurance and pension contributions payable by the recipient to INPS (Italian National Institute for Social Security), pursuant to art. 2, paragraph 26 et. seq. of (Italian) Law no. 335 dated 8 August 1995, and subsequent amendments and integrations.

10.3 PhD grants cannot be used together with other grants, awarded for whatever reason, except for those assigned by national or international institutions for the purpose of integrating the research activities of the PhD student with time spent abroad.

10.4 The amount of the grant is increased by 50% for any time spent abroad.

10.5 The grant takes effect when the holder effectively begins to attend the course.

The grant is paid in deferred monthly instalments.

Anyone who has already benefited from a PhD grant, cannot do so for a second time.

10.6 With regard to scholarships funded by the PNRR, including scholarships pursuant to MD 118/2023 and MD 117/2023, all positions must be covered with a scholarship (non-waivable), as required by MD 301/2022 in par. 3.3 lett. e).

Art. 11 – ENROLMENT AND TUITION FEES

11.1 PhD students are exempt from university tuition fees and must only pay an amount corresponding to the regional fee for the right to education and stamp duty.

11.2 PhD students may request exemption from payment of the regional contribution, quantified as per the ISEE presented. For PhD students with a grant, the quota for the aforementioned contribution, quantified as per the ISEE, will be withheld from the grant payment.

11.3 The amounts referred to in point 1 can be consulted in the Fees and contributions table for those enrolled in PhD courses for the 2022/2023 academic year. This table will be published on the University of Padova website at the address: <http://www.unipd.it/ricerca/dottorati-ricerca/tasse-borse-studio-opportunita-dottorati>

Art. 12 – COURSE START DATES AND OBLIGATIONS OF PHD STUDENTS

12.1 Courses will begin on **November 1st 2023**. Admission to a PhD Course is a full time, exclusive commitment.

In compliance with the rules of Ministerial Decree no. 117/2023 and 118/2023, PhD candidates who receive a scholarship in the framework of the present Call must also undertake to:

- submit a report according to ministerial deadlines with the timesheet of their activities (organized by month spent at the university, abroad or at a private company) and a summary of the most important tasks. The reporting will be performed through an online platform using the template provided by MUR;
- complete the required mandatory periods of study and research at the company (minimum 6 months and maximum 12 months) and abroad (minimum 6 and maximum 18 months). Failure to comply with the required period at the company entails the revocation of the scholarship;
- guarantee the respect of the obligations in terms of communication and information as provided by the art. 34 of Regulation (EU) 2021/241, indicating in all the documents that the Programme is funded in the frame of the RRP, with explicit reference to the funding by the European Union and the NextGenerationEU initiative, including in the papers the EU logo;
- respect the principle of not doing significant harm (DNSH) to environment, in accordance with Article 17 of Regulation (EU) 2020/852.

12.2 The revocation of the scholarship applies in the following cases:

- a) the PhD programme is realised in a different way from the project admitted to funding, if the necessary authorisation from the MUR has not been requested beforehand and subsequently granted;
- b) failure to complete the PhD course (three-year duration) with reference to the minimum period of study and research at the company or abroad.

12.3 PhD students are obliged to carry out the activities relating to their approved research plan and to present a report on the activities and research carried out to the competent body of the Course at the end of each year, as well as the PhD thesis, complete with original contributions, at the end of the course. Theses must be submitted in accordance with the procedures established in the University for PhD courses.

After evaluating the activities carried out by the PhD student, the competent body of the Course will deliberate whether to admit the PhD student to the next year of the course. With a substantiated decision, the Doctoral Board may also propose to the Rector that the student be excluded from continuing the Course.

Art. 13 – OBTAINING THE ACADEMIC QUALIFICATION

The PhD is awarded upon successfully passing the final examination. This examination consists of an oral discussion with the candidate on their thesis.

The supervisory committees for the final examination will be formed and appointed in compliance with the Regulations for PhD courses.

Art. 14 – PROPERTY OF RESULTS AND CONFIDENTIALITY

14.1 Intellectual and industrial property rights on the results obtained by the PhD student, including but not limited to software, patentable or non-patentable industrial inventions, know-how, models, data and data collections, are regulated in accordance with current legislation, the University Regulations and, if applicable, on the basis of individual agreements with Universities, Enterprises and Bodies involved.

14.2 PhD students who realize that they made an invention must immediately inform their supervisor or the Director of the Department, who, from that moment on, shall maintain the confidentiality and notify without delay the Settore Trasferimento di Tecnologia of the University in order to proceed with the evaluation of the results linked to the invention as well as to the appropriate protection measures.

14.3 Candidates who compete for priority research grants undertake to accept the provisions relating to intellectual property agreed in the Convention between the University and the funding body.

14.4 In any case, the PhD student is guaranteed the opportunity to carry out the usual permitted publishing activities, which should be planned in a manner compatible with the protection of any results.

Art. 15 – PROCESSING OF PERSONAL DATA

The processing of personal data provided by candidates collected for the purposes identified in this notice takes place in compliance with the provisions of EU Regulation 27.04.2016 n. 679 (General Data Protection Regulation, following: GDPR). Further information can be found here: <https://www.unipd.it/en/privacy>

Art. 16 – INDIVIDUAL RESPONSIBLE FOR PROCEEDINGS

Pursuant to art. 5 of Italian Law no. 241 dated 7 August 1990 (New rules regarding administrative procedures and the right of access to administrative documents) and subsequent amendments, the individual responsible for proceedings is Elena Pavan – 'Ufficio Dottorato di ricerca (PhD Office).

Art. 17 – NOTES AND INSTRUCTIONS

Disclaimer: this is a translation of the selection announcement for PhD Courses. Its purpose is to provide information to foreign students. It has no legal value. The only official and legally binding source is the original Italian announcement.

17.1 The present announcement is to be considered as official notification for all intents and purposes. No personal notifications will be sent to the candidates.

Any amendments or integrations to the present announcement shall be notified through:

- a) Publication on the University's official register;
- b) Publication on the University of Padova website: <https://www.unipd.it/en/phd-scholarships-funded-pnrr>

17.2 Candidates can take part in the selection process, subject to verification that they meet the requirements stated in the announcement. Verification will be carried out in accordance with art. 43 of Italian Presidential Decree no. 445 dated 28 December 2000.

The University will check the truthfulness of the declarations which candidates have provided to substitute certificates and, therefore, may exclude candidates from the selection process at any given moment. Anyone making false declarations will be punished in accordance with the penal code and special applicable laws.

The candidate in question will be informed of their exclusion via notification sent to the special digital domicile (email) expressly elected in the application form or, if not indicated, the residence address.

At any given moment, even after Courses have begun, the University may carry out checks into the truthfulness of the declarations provided and may, by a substantiated decision, exclude candidates for failing to meet the requirements set out in the announcement.

17.3 The University shall assume no responsibility for the loss of any notifications resulting from the candidate providing inaccurate indication of their contact and residence details, or caused by failure or delay to communicate any variations of these details. The University shall not be held responsible for any telecommunications or postal errors which are not the fault of the University itself.

17.4 Any matters not covered by the present announcement shall be governed by current applicable rules and legislation and, specifically: Italian Ministerial Decree no. 226 dated 14 December 2021; University Regulations on PhD courses; Agreements with other institutions for the creation of PhD courses and agreements for PhD funding.

PER INFORMAZIONI:

In case of technical issues, please contact the Support Service using the procedure available at the bottom of the webpage <https://pica.cineca.it/unipd>

For assistance with completion of the online application:

- Write to phd.application@unipd.it; we cannot guarantee that emails sent to other addresses will be read;
- Telephone Help Desk service at +39 331 6502029 available Monday to Friday from 10.00 am to 12.30 am (CEST).

For information on the PhD course:

Contact the telephone numbers indicated in the information sheet for the PhD course you are interested in under the section "For further information".

The present selection announcement is available on the website at <https://www.unipd.it/en/national-phd-programme-technologies-fundamental-research-physics-astrophysics> and a copy is available at 'Ufficio Dottorato di ricerca' (PhD Office), in Via Venezia no. 15 Padova.

To find out the days when 'Ufficio Dottorato di ricerca' (PhD Office) may be closed, please check the University website.

Padova, date of registration

The Rector
Prof.ssa Daniela Mapelli