



The Abdus Salam
**International Centre
for Theoretical Physics**



Joint International ICTP/SISSA Ph.D (JIISP) Programme in Physics and Mathematics Academic Year 2024/25

The Abdus Salam International Centre for Theoretical Physics (ICTP) and the International School for Advanced Studies (SISSA) offer the opportunity for carrying out Ph.D. studies in the following fields:

Ph.D. course	Available Fellowships
Mathematical Analysis, Modelling and Applications Geometry and Mathematical Physics	1
Astroparticle Physics Astrophysics and Cosmology Theoretical Particle Physics	1
Physics and Chemistry of Biological Systems Theoretical and Scientific Data Science	1
Statistical Physics Theory and Numerical Simulation of the Condensed Matter	1

Applicants interested in participating in this selection must hold an "ICTP Diploma" in Condensed Matter Physics, High Energy Physics, Mathematics or Quantitative Life Sciences or be enrolled in the last year of the above programmes. Candidates from developing countries (with particular emphasis on students from the least developed regions of the world) are also welcome to apply if supported by a presentation letter from a member of the ICTP scientific staff.

All the admitted candidates must possess the "ICTP Diploma" or a Master of Science in Mathematics, Physics, Data Science, or related subject by 31st October 2024.

The activity of the PhD courses will start on 1st October 2024.

Admitted candidates will have to pass a qualifying examination within the first year of study.

At the end of the four-year Ph.D. course, successful students will be awarded a SISSA Ph.D. degree and issued with a certificate stating that they participated in the Joint International ICTP/SISSA programme (JIISP Certificate).

Fellowship and other benefits

Admitted candidates will be awarded a fellowship of the amount of € 16.242.96 gross per year for the entire duration of the course.

A contribution towards living expenses of the amount of € 100,00 gross per month will be awarded to those who will provide a copy of their rental contract.

A contribution towards the expenses associated with enrolment in the health insurance system of up to € 700,00 per year.

A contribution (70% of the amount of the fellowship for up to 5 months) may be awarded to students who are forced to suspend their activity due to illness, maternity or other serious documented reasons.

Selection

Candidates will be shortlisted on the basis of their academic and scientific qualifications as well as on letters of reference. Results will be announced by email immediately after the deadline.

Shortlisted candidates will be then admitted to an interview, which can be held by videoconference.

A minimum mark of 7/10 (seven out of ten) must be obtained in the interview to be considered eligible in the Ph.D programmes.

Application

An online application must be filled and sent using the procedure available at the page <https://pica.cineca.it/sissa/> (Dottorati) **by 13.00 hrs of 29th February 2024.**

Candidates should upload the following documents in pdf format:

- curriculum vitae et studiorum;
- a certificate of examinations (with marks) taken in the “ICTP Diploma Programme” or Master of Science course;
- a final “ICTP” or Master of Science Degree (if already obtained);
- a copy of the diploma thesis or draft (if any);
- 2 recommendation letters (at least one from ICTP staff member);
- any further information which the candidate may consider useful.

At the end of the procedure, candidates will have to indicate the names and email addresses of two professors that will receive an email requesting to send a recommendation letter through the same online procedure **within three days of the announcement expiry date.**

The candidate will then have to print out the admission request form, sign it and send it (upload it) through the same online procedure.

Late arrival of the application, for whatever reason, will not be accepted.

The interviews will take place on a date to be defined.

For further information, you can contact the SISSA Students' Secretariat: phd@sisssa.it

ICTP Director
(Prof. Atish Dabholkar)
(digitally signed)

SISSA Director
(Prof. Andrea Romanino)
(digitally signed)