

PhD Course: PHYSICS in agreement with Istituto Nazionale di Fisica Nucleare – INFN			
Department	FISICA E ASTRONOMIA "GALILEO GALILEI" - DFA		
Duration	3 years		
Number of positions	Scholarships funded by external public or private bodies/Departments	n. 2	1 scholarship funded by Dipartimento di Fisica e Astronomia "Galileo Galilei" - DFA su fondi del progetto ERC: GLAXES - X-ray-induced fluidization: a non-equilibrium pathway to reach glasses at the extremes of their stability range - Topic: Dynamical, thermodynamical and structural properties of glasses irradiated with x-ray radiation; 1 scholarship funded by Dipartimento di Fisica e Astronomia "Galileo Galilei" - DFA su fondi progetto STARS Starting Grant "PolyLL"; responsabile scientifico dott. Peihao Sun - Topic: Physics of polymorphism in liquids and amorphous solids;
	Positions without scholarship	n. 1	
	Total number of positions	n. 3	
Selection criteria	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
Oral examination via remote interview:	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
Evaluation criteria	Qualifications: points max 40 Oral examination: points max 60		
Documents to be submitted	Thesis:	Points: max 5	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31st December 2024 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)
	Curriculum:	Points: max 20	Bachelor degree grade and weighted average of the grades of the exams taken for the master's degree or mean of the grades of the exams taken for the degree in the old University system (4 years). CV complete of publication list, presentations at conferences, prizes, scholarships, stages and schools, Erasmus stays, visits at other Universities, Laboratories or research institutes.
	Other documents:	Points: max 15	At least one and no more than two reference letters; one motivational letter (2 pages maximum) which clarifies the applicant's research interests, explaining in particular how those fit the research lines of the Department.
Publication of the results of the	Within 09 DECEMBER 2024 the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/phd-physics/		

evaluation of the preselection	In order to be admitted to the examination, the candidate must get a score of at least 7/10 in the preselection.
Publication of the timetable of remote interviews and instructions on how to use the ZOOM video conferencing	By 09 DECEMBER 2024 the commission will publish on the course website https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/phd-physics/ the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.
Oral examination	13 DECEMBER 2024 at 08:30 - Aula R, Dipartimento di Fisica ed Astronomia, Via Marzolo, 8 - PADOVA
Language/s	Foreign language/s assessment at the oral examination: At the oral examination the commission will assess the knowledge of the following language/s: English Admission exam: The admission exam will be taken in: Italian or English, at the candidate's choice
Examination topics	Physics of fundamental interactions, Astrophysics and Astro-particle Physics, Cosmology, Nuclear Physics, Biophysics, Statistical Physics and Physics of Complex Systems, Physics of Matter and Applied Physics
PhD Course Website:	https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/phd-physics/
Further information	Department: FISICA E ASTRONOMIA "GALILEO GALILEI" - DFA Address: Via Marzolo - N. 8, 35131 Padova (PD) Contact person: Mazzucco Cristina telephone: +390498277089 e-mail: cristina.mazzucco@unipd.it
How to apply	The application must be submitted only via the online procedure available at: https://pica.cineca.it/unipd/dottorati40autunno/ The documents must be attached in pdf format. The application and the attached documents are submitted automatically by closing the online procedure. So no hard copy of the application and of the documents must be sent to the office.
Deadlines	Publication of the ranking lists and enrollment from 10 January 2025 Beginning of PhD courses 1 February 2025