









PhD Course: PHYSICS in agreement with Istituto Nazionale di Fisica Nucleare – INFN					
Department	FISICA E ASTRONOMIA "GALILEO GALILEI" - DFA				
Duration	3 years				
	Scholarships funded by the University	n. 11			
	Scholarships funded by the partner Institution	n. 3	1 scholarship funded by Istituto Nazionale di Fisic Nucleare - INFN; 1 scholarship funded by Istituto Nazionale di Fisic Nucleare - INFN; 1 scholarship funded by Istituto Nazionale di Fisic Nucleare - INFN - Laboratori Nazionali di Legnaro - Topic: Research in Nuclear Physics within the activities of the National Laboratories of Legnaro;		
Number of positions	Scholarships funded by external public or private bodies/Departments	n. 11	1 scholarship funded by Dipartimento di Fisica e Astronomia "G. Galilei" - DFA su fondi Budget MUR Dipartimenti di Eccellenza 2023-2027 - Progetto "Frontiere Quantistiche" (FQ) - CUP: C93C22009250005 - Topic: Fundamental Physici and Quantum Technologies; 1 scholarship funded by Dipartimento di Fisica e Astronomia "G. Galilei" - DFA su fondi Budget MUR Dipartimenti di Eccellenza 2023-2027 - Progetto "Frontiere Quantistiche" (FQ) - CUP: C93C22009250005 - Topic: Theoretical models for quantum complex systems; 1 scholarship funded by Dipartimento di Fisica e Astronomia "Galileo Galilei" - DFA nell'ambito della Convenzione quadro Padua Center for Network Medicine - PCNM e Fondazione Bruno Kessler - FBK - Topic: Constraining predictive models with complex dynamical systems; 1 scholarship funded by Dipartimento di Fisica e Astronomia "Galileo Galilei" - DFA su Fondo Italiano per la Scienza (FIS) - Progetto ADAPTSYS n. FIS00000158 - Topic: Modeling and analysis of critical behavior in human-made multilayer complex systems; 1 scholarship funded by Dipartimento di Fisica e Astronomia "Galileo Galilei" - DFA su Fondo Italiano per la Scienza (FIS) - Progetto ADAPTSYS n. FIS00000158 - Topic: Modeling and analysis of spatio-temporal fluctuations in natural physical complex systems; 1 scholarship funded by Dipartimento di Fisica e Astronomia "Galileo Galilei" - DFA su fondi Huma Frontier Science Program (Ref. RGY0064/2022), nell'ambito della Convenzione quadro Padua Center for Network Medicine - PCNM e Fondazione Bruno Kessler - FBK - Topic: Impact of microscopic environmental factors on population dynamics of localized communities; 1 scholarship funded by Dipartimento di Fisica e Astronomia "Galileo Galilei" - DFA su fondi Huma Frontier Science Program (Ref. RGY0064/2022), nell'ambito della Convenzione quadro Padua Center for Network Medicine - PCNM e Fondazione Bruno Kessler - FBK - Topic: Impact of microscopic environmental factors on population dynamics of localized communities; 1 scholarship funded by Dipartimento di Fis		

	Thesis:	Points: max 5	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 30th September 2024 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)	
Documents to be submitted	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 research interests of the applicant, explaining in particular how those fit the research lines present in the Department.	
Preselection: First meeting of the Evaluating Commission	30 MAY 2024 09:00			
Publication of the results of the evaluation of the preselection	Within 12 JUNE 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/ 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	https://www.dfa.unip the remote interview conferencing for tho the oral examination	od.it/didattic is and the i se applicar i via remote	sion will publish on the course website ca/dottorati-di-ricerca/phd-physics/ the timetable of instructions on how to use the ZOOM video into the application form to take interview and who have passed the preselection is with a pass-mark of at least 7/10.	
Oral examination			nm may continue: 18/06/2024, 19/06/2024 and nto di Fisica ed Astronomia, Via Marzolo, 8 - 35131	
Language/s	At the oral examinat language/s: English Admission exam:	ion the con	ent at the oral examination: nmission will assess the knowledge of the following ten 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.unip	od.it/didattic	ca/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: 0498277089 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/dottorati40 The documents must be attached in pdf format. The application and the attached documents are submitted authomatically 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 2 July 2024 Beginning of PhD courses 1 November 2024		