







IN PHYSICS AND ASTRONOMY

Director Prof. Giovanni Modugno

XLI cycle – academic year 2025/2026

SCIENTIFIC AREA			
ADMINISTRATIVE OFFICE	Department of Physics and Astronomy		
PARTNER INSTITUTIONS	Istituto Nazionale di Fisica Nucleare (INFN)		
WEB	www.fisica.unifi.it/dottorato		
POSITIONS AVAILABLE: 14 Positions with Scholarship: 12 Positions without Scholarship: 2* * standard ranking only			
RANKING LIST FOR STANDARD POSITIONS SCHOLARSHIPS AVAILABLE: 9	 5 - University of Florence 3 - Istituto Nazionale di Fisica Nucleare (INFN) 1 - Dipartimento di Chimica "Ugo Schiff" Thematic: "Study of spin-electric effects in molecular magnetic materials of interest for quantum technologies by means of magnetic resonance spectroscopies" Funded by FIS2021 project ELECOS 		
RANKING LISTS FOR POSITIONS WITH SPECIFIC RESEARCH TOPICS SCHOLARSHIPS AVAILABLE: 3	 1 - Istituto Nazionale di Astrofisica - Osservatorio Astrofisico di Arcetri (INAF-OAA) Thematic: "Theoretical, observational astrophysics and related instrumentation and technology" 1 - Dipartimento di Chimica "Ugo Schiff" Thematic: "Quantum interfaces with single molecules" Funded by project ERC-2022-COG "Quantum interfaces with single molecules" (QUINTESSEnCE) - Grant Agreement n. 101088394 1 - Department of Physics and Astronomy Thematic: "Experimental study of the supersolid phase in dipolar quantum gases" Funded by project ERC-2021-ADG "Supersolids: unveiling an extraordinary quantum phase of matter" (Supersolids) - Grant Agreement n. 101055319 		
STUDY/RESEARCH PERIODS ABROAD	3 months		
DOCUMENTS REQUIRED FOR THE ADMISSION	Copy of the Identification Document		

	Eligibility is achieved with a minimum score of 80/120			
EVALUATION MARKS	Interview: discussion of the research project, thesis, other titles and publications	50/120	75/120	
	Applicants who obtain a mark of at least 30/120 will be admitted to the interview			
	curriculum vitae et studiorum, and list of taken exams with accompanying grades	30/120	45/120	
	parameter Research project, other titles, publications,	minimum score	maximum score	
FURTHER INFORMATION	The interview will concern the research project, the master's thesis, the CV and the publications. Questions may be asked concerning the basic physics knowledge related to the project, to the thesis, and to the publications.			
INTERVIEW MODE	Remotely (videocall) The interview is conducted in English language.			
RESEARCH PROJECT	The project may be written in Italian or English and must outline a possible research activity to be carried out within one of the research groups in the Department of Physics and Astronomy or in the linked Research Centers. A range of possible research thematics is published at www.fisica.unifi.it/research thematics The candidate may present the same project for the standard scholarship and for any scholarship with specific research topic and separate ranking lists he/she intends to apply to, or alternatively may present different projects for each scholarship, indicating clearly to which scholarship each project refers.			
DOCUMENTS REQUIRED FOR THE EVALUATION	 MANDATORY Curriculum vitae et studiorum (maximum 2 pages, A4) Research project (maximum 2 A4 pages) OPTIONAL List of publications Thesis abstract Other qualification documents 			
	combined cycle Degree) with a list of all ex grade, rating scale, title of the thesis and grade. The same documentation except for the final mark mu graduate within the 31/10/2025	ams taken, cre aduation mark	edits and related	
(under penalty of exclusion)	 Self-certification for qualifications obtained in Italy (laurea triennale specialistica o magistrale o ciclo unico) with list of exams taken, credits and related grade, title of the thesis and graduation mark (using this template or similar forms containing the required information) Qualifications obtained abroad (Bachelor's and Master Degrees or 			

EXAMINATION SCHEDULE			
	DATE	TIME	
INTERVIEW	July 15 th 2025	09:30 a.m.	

The list of the candidates admitted to the interview and the final ranking will be published at the page **PhD** courses