



DOCTORAL PROGRAMME

IN

PHYSICS AND ASTRONOMY

Coordinator prof. Raffaello D'Alessandro

SCIENTIFIC AREA	
ADMINISTRATIVE OFFICE	Department of Physics and Astronomy
PARTNERS INSTITUTIONS	Istituto Nazionale di Fisica Nucleare (I.N.F.N.)
CURRICULA	NO
POSITIONS AVAILABLE: 13 Positions with Scholarship: 11 Positions without Scholarship: 2	
SCHOLARSHIPS: 11	5 – University of Florence 3 – Istituto Nazionale di Fisica Nucleare (I.N.F.N.) 1 – Department of Physics and Astronomy 1 – Department of Physics and Astronomy Thematic: <i>“First stars and dwarf galaxies”</i> Funded by ERC project <i>“NEar FiElD cosmology: Re-Tracing Invisible Times” (NEFERTITI)</i> – Grant Agreement n. 804240. 1 – Istituto Nazionale di Astrofisica: Thematic: <i>“The coronagrapher Metis of the Solar Orbiter, observation and diagnostic of the solar corona”</i>
STUDY/RESEARCH PERIODS ABROAD	Not mandatory
DOCUMENTS REQUIRED FOR THE ADMISSION (under penalty of exclusion)	<ul style="list-style-type: none">• Copy of the Identification Document• <u>Replacement Declaration Form</u> self-declaration for:<ul style="list-style-type: none">- Italian Degree required for the access- transcript of records with marks (<i>for those candidates whose degrees will be awarded within the 31st October 2019</i>)- acknowledgment of compliance for any other qualification documents enclosed with the application• Foreign Degree required for the access (<i>those candidates whose degrees will be awarded within the 31st October 2019 shall enclose the list of the examinations completed with marks</i>)

<p>DOCUMENTS REQUIRED FOR THE EVALUATION</p>	<p>MANDATORY</p> <ul style="list-style-type: none"> • All candidates shall enclose with the <u>Replacement Declaration Form</u> the list of taken exams with accompanying grades for the Bachelor of Science (B.Sc.) and for the Master of Science (M.Sc.) degrees (or equivalent), and the title of the thesis, (independently of whether the applicant has yet to defend his Thesis) • Curriculum vitae et studiorum • Research project <p>OPTIONAL</p> <ul style="list-style-type: none"> • List of publications • Abstract of M.Sc. Thesis • Other qualification documents
<p>REFERENCE LETTERS</p>	<p>A dedicated section in the online application, must be used to specify the e-mail addresses of two professors/researchers willing to provide information about the candidate University history and his research activities within a scientific field related to the Ph.D. course of the Department of Physics and Astronomy.</p>
<p>RESEARCH PROJECT</p>	<p>The Research Project must be at most two A4 pages long. The Research Project may be written in Italian or English. The Research Project must describe a possible research topic for the three years duration of the PhD. The evaluation criteria for the Project will be its coherence with the PhD Program research themes, its feasibility, and the candidate’s aptitude to conduct a research program. The eventual research program for the PhD thesis will not necessarily reflect the Research Project submitted in the application.</p>
<p>MODALITY OF EVALUATION</p>	<ul style="list-style-type: none"> • Evaluation of the curriculum, of the research project and of the other qualification documents • Interview <p>As detailed in the section below “Evaluation Marks”</p>
<p>OTHER LANGUAGE FOR THE EXAMINATIONS</p>	<p>English</p>
<p>SKYPE INTERVIEW</p>	<p>YES – possible for foreign residents only</p>

EVALUATION MARKS	TITLES AND QUALIFICATION DOCUMENTS		
	parameter	minimum score	maximum score
	Research project	–	6
	Publication and other qualification documents	–	4
	Curriculum vitae et studiorum, references letters, and list of taken exams with accompanying grades	–	38
	Applicants who obtain a mark of at least 32/120 in the evaluation of the above parameters will be admitted to the interview		
	INTERVIEW		
	parameter	minimum score	maximum score
Interview: discussion of the research project, the qualification documents presented and publications	48	72	
Eligibility is achieved with a minimum score of 80/120			
FURTHER INFORMATION	The two reference letters are to be used in the evaluation of the applicant titles.		
THEMATICS	The interview will concern the research project, the thesis work, and basic physics knowledge used in the thesis.		
Further information available at the following web page: https://www.fisica.unifi.it/vp-26-dottorato-in-fisica-e-astronomia.html			

EXAMINATION SCHEDULE			
	DATE	TIME	PLACE
INTERVIEW	15 July 2019	02.00 p.m.	Department of Physics and Astronomy Via Sansone, 1 - Sesto Fiorentino (FI) Aula 281
The list of candidates admitted to the interview and the final ranking will be published at the following web page: https://www.unifi.it/p11549.html			