



DOCTORAL PROGRAMME

IN

PHYSICS AND ASTRONOMY

Director prof. Raffaello D'Alessandro

XXXVI cycle – academic year 2020/2021

SCIENTIFIC AREA	
ADMINISTRATIVE OFFICE	Department of Physics and Astronomy
PARTNER INSTITUTIONS	Istituto Nazionale di Fisica Nucleare (I.N.F.N.)
POSITIONS AVAILABLE: 11 Positions with Scholarship: 9 Positions without Scholarship: 2	
SCHOLARSHIPS:9	5 - University of Florence 3 - Istituto Nazionale di Fisica Nucleare (I.N.F.N.) 1 - Department of Physics and Astronomy
STUDY/RESEARCH PERIODS ABROAD	Not required
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 2020</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 2020 shall enclose the list of the examinations completed with marks</i>)
DOCUMENTS REQUIRED FOR THE EVALUATION	MANDATORY <ul style="list-style-type: none">• <u>Replacement Declaration Form</u> declaration, in lieu of certification, of 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 defended his/her Thesis)• Curriculum vitae et studiorum (max 3000 characters)• Research project OPTIONAL <ul style="list-style-type: none">• List of publications• Thesis abstract• Other qualification documents

REFERENCE LETTERS	A section is provided in the online application to specify the e-mail addresses of two professors/researchers willing to provide information about candidates training path and activities performed within a scientific field related to the Ph.D. course.																							
RESEARCH PROJECT	The Research Project must be at most two A4 pages long. The Project may be written in Italian or English and must describe a possible research activity to be carried out within the three-year PhD course. The project will be evaluated for its coherence with the Doctoral themes of our PhD program and for its general and specific feasibility. It will also be used to ascertain the candidate's aptitude for research, even if it will not necessarily constitute his/her Thesis project.																							
EVALUATION PROCEDURE	<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>																							
OTHER LANGUAGE FOR THE INTERVIEW	English																							
INTERVIEW MODE	For candidates residing in Italy: in person For candidates residing abroad: by Google Meet or Skype																							
EVALUATION MARKS	<table border="1"> <thead> <tr> <th>parameter</th> <th>minimum score</th> <th>maximum score</th> </tr> </thead> <tbody> <tr> <td>Research project</td> <td>–</td> <td>6/120</td> </tr> <tr> <td>Publication and other qualification documents</td> <td>–</td> <td>4/120</td> </tr> <tr> <td>Curriculum vitae et studiorum, and list of taken exams with accompanying grades</td> <td>–</td> <td>38/120</td> </tr> <tr> <td colspan="3">Applicants who obtain a mark of at least 32/120 in the evaluation of the above parameters will be admitted to the interview</td> </tr> <tr> <td>Interview: discussion of the research project, thesis, the qualification documents presented and publications</td> <td>48/120</td> <td>72/120</td> </tr> <tr> <td colspan="3">Eligibility is achieved with a minimum score of 80/120</td> </tr> </tbody> </table>			parameter	minimum score	maximum score	Research project	–	6/120	Publication and other qualification documents	–	4/120	Curriculum vitae et studiorum, and list of taken exams with accompanying grades	–	38/120	Applicants who obtain a mark of at least 32/120 in the evaluation of the above parameters will be admitted to the interview			Interview: discussion of the research project, thesis, the qualification documents presented and publications	48/120	72/120	Eligibility is achieved with a minimum score of 80/120		
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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 website page: https://www.fisica.unifi.it/vp-26-dottorato-in-fisica-e-astronomia.html																								

EXAMINATION SCHEDULE			
	DATE	TIME	PLACE
INTERVIEW	August 31 st 2020	9:00 a.m.	Department of Physics and Astronomy Via Sansone, 1 - Sesto Fiorentino (FI) Room 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/p11741.html			