



Area dei Servizi Istituzionali
Settore Servizi agli studenti e alla didattica
Ufficio Dottorati di ricerca

ATTACHMENT 4

LAST REVISED 20/05/2016

**PhD IN
PHYSICS
(under the agreement with the National Institute for Nuclear Physics)
ADMISSION INFORMATION**

DISCLAIMER: this is an overview of the main deadlines and a partial checklist. Exhaustive information, including how to register for the selection, is published in the Admission Announcement posted in the web page <http://www2.units.it/dott/en/> >> Admission Announcement.

REQUIREMENT	DEADLINE
online application and upload of the documents required	16 June 2016 1:00 p.m. (ITALIAN TIME)
payment of the exam registration (application) fee	16 June 2016
for Italian degrees: deadline for completion	by 31 October 2016
for foreign degrees: the deadline for completion is anticipated to enable the Examining Board to assess their equivalence	by 16 June 2016

Documents to be uploaded	Mandatory / Optional
1. proof of identity	mandatory
2. curriculum vitae et studiorum , with a special focus on pre-PhD activities	Mandatory
3. certifications of the qualifications that grant eligibility a for degrees awarded in Italy: self-certification of the exams and scores of both first and second level degrees (where applicable) or single cycle degree b for foreign degrees awarded within the European Higher Education Area: Diploma Supplement c for foreign degrees awarded outside the European Higher Education Area: certificate of award/conferment with transcript of records and final scores of both the Bachelor's and Master's (or equivalent) plus a scan of the original diplomas (if available)	mandatory
4. degree thesis or dissertation a. for graduates: full text (if the thesis is written in Italian or in English) b. for undergraduates (in Italy) or graduates who have written their thesis in a language other from Italian or English: abstract to be drawn up according to the template available at http://www2.units.it/dott/en/?file=DottBandi.inc&cod=1010	mandatory
5. research project Candidates who apply for scholarships co-funded by the European Social Fund shall tick one of the two relevant boxes and submit a research project consistent with the relevant ESF strategy and with the PhD sectors/research lines. Successful candidates shall carry out the research project in compliance with the ESF duties and requirements specified in the	mandatory only for ESF applicants

Admission Announcement. Candidates must download and fill in the form available on the Doctorate website http://www.units.it >> Ricerca >> Dottorati di Ricerca >> Admission Announcement >> Application Forms.	
6. Graduate Record Examination (GRE) Subject Test in physics (or else chemistry or mathematics) if any	optional
7. candidate's presentation a. two letters of reference / recommendation to be sent directly by the referees to the email account dottorato.fisica@units.it (subject: "Letter concerning Surname Name) following the template downloadable from http://df2.units.it/sites/df.units.it/files/pagina/allegati/Letter%20of%20recommendation_TEMPLATE.doc before 16 June 2016 1:00 pm b. a statement of purpose / self-presentation (stating the research topics of interest) to be uploaded	optional
8. Publications	optional
9. a short essay dealing with an open scientific problem in contemporary physics, describing the state of the art in the field and proposing a possible way to make progress (use the template downloadable from: http://df2.units.it/sites/df.units.it/files/pagina/allegati/Research_essay_Template.docx). The essay will be discussed during the interview and will be used to assess the applicant's skills and aptitude to scientific research and it is not to be necessarily understood as the project that will be carried out during the PhD programme.	mandatory

PLACES, SCHOLARSHIPS, RESEARCH GRANTS AVAILABLE

<i>Total number of places available (excluding [R/2] [R/3] [R/4] – see below)</i>	13	
<i>without scholarship – cod [SB/]</i>	2	
<i>with scholarship</i>	11	<p>N.B.: Candidates who accept an earmarked scholarship are committed to the pre-assigned topic.</p> <p>University of Trieste (100%) The topic must be consistent with the PhD sectors/research lines</p> <p>ESF – S3 scholarship (100% funded by the University of Trieste through resources of the Region Friuli Venezia Giulia - European Social Fund - Operational Programme 2014/2020) The topic must be consistent with the S3 strategy and with the PhD sectors/research lines Max 5 months to be spent abroad</p> <p>ESF – EUSAIR/EUSALP scholarship (100% funded by the University of Trieste through resources of the Region Friuli Venezia Giulia - European Social Fund - Operational Programme 2014/2020) The topic must be consistent with the PhD sectors/research lines and with the EUSAIR/EUSALP areas 12 months over 36 must be spent abroad in one of the EUSAIR/EUSALP areas</p> <p>National Institute for Nuclear Physics (100%) The topic must be consistent with the PhD sectors/research lines</p> <p>University of Trieste (50%) + Department of Physics (50%) (Project title: <i>CONCEPT: CONtrolling quantum CohErent matter Phases by THz klight pulses</i>) - Progetto MIUR SIR 2014 RBSI14ZIY2 CONCEPT dott. FAUSTI - CUP J92I15000300001 The funder will cover directly the travel expenses abroad related to PhD activities Principal investigator: dr. Daniele Fausti – mailto:daniele.fausti@elettra.eu</p>
<i>Scholarships/Research grants available with indication of the code, total number and funding body and co-funding percentage</i>		
M/1	1	
FSE-S3/2	1	
FSE-EUS/3	1	
C/4-6	3	
MD/7	1	

	D/8	1	Department of Physics (100%) funded by ELETTRA – SOCIETA' SINCROTRONE TRIESTE S.C.p.A. (Project title "Experiments with synchrotron radiation") http://www.elettra.trieste.it
	D/9	1	Department of Physics (100%) funded by ELETTRA – SOCIETA' SINCROTRONE TRIESTE S.C.p.A. (Project title "Development of novel free electron laser radiation sources") http://www.elettra.trieste.it
	D/10	1	Department of Physics (100%) funded by INAF – Osservatorio Astronomico di Trieste (50%) and prof. Borgani (50%) (Project title: "Cosmological simulations and high performances computing") Principal investigators: Prof. Stefano Borgani – DFUNITS (mailto: borgani@oats.units.it) and dr. Giuseppe Murante – INAF OATS (mailto: murante@oats.inaf.it) INAF will cover directly the travel expenses abroad related to PhD activities
	D/11		Department of Physics (100%) funded by ICTP – International Centre for Theoretical Physics "Abdus Salam". The topic must be chosen among those listed at: http://www.ictp.it/research.aspx scholarship reserved for candidates from Countries NOT included in the list of "High-income economies" by the World Bank http://data.worldbank.org/about/country-and-lending-groups
<i>Reserved places with scholarships/research grants available for graduates at universities abroad [R/1] with indication of the code, total number and funding body</i>	R/1	0	--
<i>Reserved places with no PhD scholarship provided</i>	R/2	0	
	R/3	0	
	R/4	0	
<i>PhD students from foreign universities may be admitted with a joint supervision of their thesis</i>			Yes

THE SELECTION PROCEDURE

<i>Academic qualification required: see Announcement (art. 2 - Requirements)</i>		
<i>"Lauree vecchio ordinamento" awarded in Italy</i>	All	
<i>"Lauree specialistiche" awarded in Italy</i>	All	
<i>"Lauree magistrali" awarded in Italy</i>	All	
<i>Selection criteria</i>	Qualifications + oral examination/interview Final score: maximum score 70 minimum final score required for eligibility 45	
<i>Evaluation</i>	Qualifications (maximum score 20 – minimum final score required 10):	
	<ul style="list-style-type: none"> • curriculum vitae et studiorum • exams taken • Graduate Record Examination (GRE) 	max 12
	Thesis-related activities	max 2
	statement of purpose / self-presentation + letters of reference / recommendation	max 4
	Publications	max 2
ESF research project	0	

	short essay dealing with an open scientific problem in contemporary physics	0
	Oral examination/interview: maximum score 50 – minimum final score required 35	
	N.B. The Examining Board may decide to adopt evaluation subcriteria	
<i>Examination schedule</i>	<p><i>Oral examination/interview</i></p> <p><i>Language(s) of the interview</i></p> <p><i>Language(s) tested in the oral examination/interview</i></p> <p><i>Videoconference interview</i></p>	<p>12 July 2016 at 09:00 am (ITALIAN TIME) at the University of Trieste – room 131, 1. floor - Department of Physics, Via Valerio, 2 – TRIESTE The Examining Board may decide to interview candidates on subsequent dates</p> <p>Italian/English</p> <p>English (level of knowledge required: CEFR B2)</p> <p>Upon request from the candidates, the interview may be carried out through videoconference, with the same schedule (check 6.2 Admission Announcement) The Videoconference interview form is available at http://www.units.it/dottorati/ >> Admission announcement >> Application forms Should a candidate – who had not requested a video conference interview at the time of the application - not be able to attend the interview in person at the time and the site fixed, due to unforeseen circumstances, s/he can submit the request for video conferencing by sending an email to dottorato.fisica@units.it up to four working days before the date fixed for the interview, stating the grounds for their request. The Examining Board will arrange the start time with the candidates. Videoconference interviews will take place on 12 July 2016 at the University of Trieste (the place will be notified in the pdf file “Initial/intermediate assessments” on the Admission web page).</p>