Physics					
** Integrata con Decreto Rettorale n. 753/2020 Prot. 113600 del 30/06/2020 e Decreto Rettorale n. 872/2020 Prot. 136791 del 17/07/2020					
Cycle		XXXVI	Prot. 136/91 del 1//0//2020		
Director		Prof. Eleonora Luppi -	Department of Physics and Earth	Sciences –	
		eleonora.luppi@unife.it			
Duration		3 years			
Partn	er Institution	Italian Institute for Nuclear Physics (Istituto Nazionale di Fisica Nucleare – INFN) H.Niewodniczański Institute of Nuclear Physics Polish Academy of Sciences (IFJ PAN),			
		Kraków, Poland	if Nuclear Physics Polish Academy of Sciel	nces (IFJ PAN),	
Curriculum		No			
Research Topics		http://www.unife.it/studenti/dottorato/corsi/riforma/physics			
Qualification required for		Italian degree known as "Laurea specialistica/magistrale" or a degree awarded prior to			
admission		approval of Ministerial Decree D.M. n. 509 of 3 November 1999, updated with D.M. n.			
		270 of 22 October 2004, n. 270; Master's (second level) degree, or an equivalent foreign			
		academic qualification awarde			
	lana with Call at 11	Available P	ositions	40	
Posit	ions with Scholarship	Regular positions	atas agusing fugus fausigu lugtitutions	10	
		Reserved positions for Candida	ates coming from foreign Institutions	1	
Posit	ions without	Regular positions		2	
	larship		ates coming from foreign Institutions	1	
		reserved positions for curiality	aces coming from foreign institutions		
Posit	ions reserved to	Reserved positions for cano	didates holding a foreign government	2	
	idates belonging to	•	nip funded by international mobility		
speci	fic categories	programmes			
Posit	ions with salary keep	Reserved positions for employees of Companies active in high			
		qualification activities (Industrial Doctorate) or Reserved positions for			
		employees of Public Institutions or Research Centers active in high			
		qualification activities (Ph.D. C	, , , ,		
		V. 1 C.	Total number of available positions:	18	
N°	Fina	Kind of Financ			
3	Università degli Studi d	incial support	Research Topic		
		lear Physics (Istituto Nazionale di			
2	Fisica Nucleare – INFN)	, (-		
1		clear Physics – Legnaro (Istituto	Nuclear Physics and Nuclear Technologies		
	Nazionale di Fisica Nucl		The state of the s		
1	Financed by Dept. of Excellency Department	Earth Sciences and Physics -			
		·	Researches on Ferrara University cultural H	eritage of	
1		f Physics and Earth Sciences and	Physics and their relationship on education	-	
	Università degli Studi d	ı rerrara	communication of Science		
1		f Physics and Earth Sciences and	Study of hadron structure with polarized	l deep-inelastic	
	Università degli Studi d		scattering		
1	Co-financed by Dept. o Università degli Studi d	f Physics and Earth Sciences and	Novel detection techniques based on lase		
		Exploiting the Deenest Hubble Space Telescop			
1**	Financed by INAF – Ast	ronomic Observatory of Padova	Observations of Galactic Globular Clusters		
	In collaboration with l'Istituto d'Istruzione Secondaria				
1	Superiore "A. Roiti" (Reserved position for employees of		Development of an innovative "Hands on Physics" methodology for teaching Physics at high school level		
	Institutes and public Research Centers active in high				
	qualification activities - with salary keep)				
	In collaboration with CERN - Dipartimento di Fisica Sperimentale dell'European Organisation for Nuclear		Development of analysis framework and application to		
1**		ition for employees of Institutes	lepton flavour universality studies with beauty hadrons in		
	and public Research Centers active in high qualification		LHCb		
	activities - with salary keep)				
·	·				

Assessment Criteria

Evaluation of qualification: maximum score 20 points. Minimum score required to be admitted to the interview 12/20 **Interview:** maximum score 60 points (including the foreign language examination). **Minimum final score required:** 60/80

During the interview, applicant's knowledge of the following languages will be tested.					
List of documents for the evaluation					
Curriculum vitae et studiorum	Mandatory documents: Complete academic career information, a list of examinations and grades and final mark, for Bachelor and Masters degrees. Thesis abstract (max length 2 pages), with the following structure: motivation, research methodology, obtained or expected results and bibliography. Only for undergraduates students the abstract must be signed by the supervisor.	Up to 14 points			
Scientific publications	Mandatory documents: In extenso copy of the publications, including abstracts and/or papers presented in national or international congresses and meetings; OR File containing the full list of the publications with relevant link.				
Reference letters	Maximum 3 letters, supporting the application, written and signed by teachers, experts, researchers or professionals, qualified on the course topics.	Up to 3 points			
Other academic or professional qualifications	Certified working experiences in the field. Others academic qualifications	Up to 1 point			

Interview

Verification of the knowledge on the subject of the Doctoral Research topics and Candidate's linguistic skills.

Examination timetable

Evaluation of qualifications and interview will take place in September.

Evaluations' results may be checked at the following link: http://www.unife.it/studenti/dottorato/concorsi/selection.

The beginning date for consulting the evaluations' results and the interview schedule will be available within the present call deadline at the following page http://www.unife.it/studenti/dottorato/concorsi/commissioni