Physics						
Cycle		XXXVII				
Director		Prof. Eleonora Luppi - Department of Physics and Earth Sciences – <u>eleonora.luppi@unife.it</u>				
Duration		3 years				
Partner 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				
		- University of Science and Technology of China (USTC) School of Physical Sciences				
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 awarded abroad.				
		Available	Positions			
Positions with Scholarship		Regular positions		11		
			ates coming from foreign Institutions	1		
Positions without		Regular positions		2		
	larship		ates coming from foreign Institutions	1		
		Reserved positions for earland		+		
Posit	ions reserved to	Reserved positions for cap	didates holding a foreign government			
candidates belonging to				2		
	fic categories	programmes		-		
Speer		programmes	Total number of available positions:	17		
		Kind of Finan		17		
N°	Eina	Kind of Financial Support Financial support Research Topic				
2	Università degli Studi d	• •	Research Topic			
2	-	clear Physics (Istituto Nazionale	-			
2	di Fisica Nucleare – IN	· ·				
1 Italian Institute for Nuc Nazionale di Fisica Nuc						
		, ,	Nuclear Physics and Nuclear Technologies			
			Development of radiation detection systems operated on			
1	Co-financed by INFN-FE and Università di Ferrara		Unmanned Aerial Vehicle (UAV)			
	Co-financed by Fondazione Bruno Kessler - FBK and		Artificial intelligence methods for data analysis in gas			
1	Università di Ferrara		sensing application			
			Cosmology and fundamental physics from cosmic			
1	Co-financed by Dept. of Physics and Earth Sciences		microwave background polarization and large scale			
-	and Università di Ferrara		structure			
Co-financed by Dept		of Physics and Earth Sciences	Development and characterization of ge	ermanium based		
and Università di Ferra						
	Co-financed by Dept. of Physics and Earth Scie		Development of innovative photon detectors for particle			
and Università di Ferra						
	Financed by INAF – Astronomic Observatory of		Exploiting the Deepest Hubble Sp	ace Telescope		
1	Padova		Observations of Ga-lactic Globular Clusters			
			Integrated management of satellite data a			
1		e Emilia-Romagna: Research	sensors aimed at sustainability in precision farming			
Project for Technology		I ransfer and Business	practices for regional crops of excellence			
	Assessment Criteria					
Evalu	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. English						
List of documents for the evaluation						
Mandatory documents:						
	culum vitae et	-	information, a list of examinations and	Up to 14		
studi	orum	grades and final mark, for Ba		points		
L	o. a de cara anta many for Babrelor ana mastero degrecor					

	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.				
Mandatory documents:					
	In extenso copy of the publications, including abstracts and/or papers				
Scientific publications	presented in national or international congresses and meetings;	Up to 2 points			
-	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	Up to 3 points			
	topics.				
Other academic or	Certified working experiences in the field. Others academic				
professional qualifications	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: <u>http://www.unife.it/studenti/dottorato/concorsi/selection.</u>					
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					