Claudio Quaranta

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WORK EXPERIENCE

01/06/2022 – CURRENT Rome, Italy
ASSEGNISTA DI RICERCA UNIVERSITÀ LA SAPIENZA

- Research at high physics experiments at particle colliders;
- Associated with the collaboration of the Compact Muon Solenoid (CMS) at CERN;
- Analysis of data from proton-proton collisions at the Large Hadron Collider (LHC), collected with the CMS detector, for high-precision measurement of particle physics observables;
- R&D activity for the CMS upgrade (working with scintillating crystals coupled with silicon photo-multipliers);
- Tutor for laboratories activities with master students.

15/03/2018 – 31/10/2018 Rome, Italy
DATA SCIENTIST ADVANT S.R.L.

- Realization of tools for data analysis and their graphical representation
- Design, operation and maintenance of databases
- Use of business intelligence tools

Address P.le Konrad Adenauer, 8 Roma RM, 00144, Rome, Italy

EDUCATION AND TRAINING

01/11/2018 – 31/05/2022 Rome, Italy
PH. D. Università La Sapienza

- The target of the thesis is the direct search for signals of the production of new particles in high-energy proton proton collisions at the CERN LHC, in order to probe new physics theories beyond the standard model;
- Statistical analysis of data collected with the CMS detector;
- Work at the upgrade of the electronics for the CMS electromagnetic calorimeter.

Address Piazzale Aldo Moro, 5, Roma RM, 00185, Rome, Italy │ **Website** https://www.uniroma1.it/en │ **Field of study** Physics │

Level in EQF EQF level 8 │

Thesis Search for high mass resonances in final states with a boosted dijet resonance in proton proton collisions at sqrt(s)=13TeV with the CMS detector

01/10/2015 – 18/01/2018 Roma, Italy
MASTER DEGREE Università la sapienza

- R&D activity for the upgrade of the CMS detector at CERN

Website https://www.uniroma1.it/en │ **Field of study** Physics │ **Final grade** Cum Laude │ **Level in EQF** EQF level 7 │

Thesis Studio della risoluzione temporale dei cristalli di tungstato di piombo del calorimetro elettromagnetico di CMS

01/10/2012 – 22/12/2015 Rome, Italy
BACHELOR DEGREE Università

Website https://www.uniroma1.it/en │ **Field of study** Physics │ **Final grade** Cum Laude │ **Level in EQF** EQF level 6

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Microsoft Office │ Microsoft Powerpoint │ Microsoft Word │ Social Media │ C/C++ coding │ Python │ ROOT Data Analysis Framework │ Pandas Dataframe │ Oracle DataBase

PRIVACY

Privacy Policy

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