Francesco Giovanni Celiberto

Short Curriculum Vitae. Last updated on: 3/11/2020

▬▬▬ Personal Information

Date and place of birth	07/10/1988, 87012 Castrovillari (CS), Italy
Citizenship	Italian

▬▬▬ Education

30/06/2017   **PhD Degree in Physics**, *Università della Calabria, Dipartimento di Fisica*.
- Score: Excellent
- Thesis: **High-energy resummation in semi-hard processes at the LHC**
- Supervisor: Prof. **Alessandro Papa**

04/12/2012   **Master's Degree in Physics - Nuclear, Subnuclear and Applied Physics**, *Università della Calabria*.
- Score: Laurea Summa cum Laude, 6 honours gained, 29.5/30 grade average
- Thesis: **Inclusion up to the next-to-leading order of the Z0 boson in the DISENT Monte Carlo**
- Supervisors: Prof. **Alessandro Papa**, Prof. **Enrico Tassi**

21/07/2009   **Bachelors's Degree in Physics**, *Università della Calabria*.
- Score: Laurea Summa cum Laude, 24 honours gained, 29.91/30 grade average
- Thesis: **First Quantization in Curvilinear Coordinates**
- Supervisore: Prof. **Alessandro Papa**

2001–2006   **Classical Studies - High School Diploma**, *Liceo Classico G. Garibaldi, 87012 Castrovillari (CS)*.
- Score: 100/100

▬▬▬ Professional appointments

2020–2022   **Post-doctoral researcher**, *ECT*, Trento*.

2018–2020   **Post-doctoral researcher**, *Università degli Studi di Pavia, Dipartimento di Fisica*.

2017–2018   **Post-doctoral grant**, *Instituto de Física Teórica UAM-CSIC, Universidad Autónoma de Madrid*.

2017   **Post-doctoral researcher**, *Università della Calabria, Dipartimento di Fisica*.

2015–2016   **Visiting PhD student**, *Instituto de Física Teórica UAM-CSIC, Universidad Autónoma de Madrid*.

2014–2017   **PhD student**, *Università della Calabria, Dipartimento di Fisica e INFN-Cosenza*.

Scientific and academic activities (self assessment)

Scientific publications

Publications	**15** in international journals with peer review, **22** conference proceedings
Citations	**437** (inSPIRE-HEP)
h-index	**12** (inSPIRE-HEP)
Contributed talks	**22** given at international workshops and conferences
Invited	**17** talks, **1** overview, **7** seminars

Organization and coordination

Organization	**6** international conferences: "Low-x 2017", "LHC WG on Forward Physics and Diffraction", "Diffraction and Low-x 2018", "TMDs at JLab: present and future", "Resummation, Evolution, Factorization 2019", "Map Collaboration Meeting 2020"

Teaching activities

Supervision	**2** MD theses **co-supervised**
Teaching	**253** hours

Outreach

Organization	**6** Physics MasterClasses, **4** high-school official lecture projects, **1** European Researchers' Night

Awards, Honours, Grants and Scolarships

2018	**"Best Talks" prize**, 104th National Congress of the Italian Physical Society
2017	**Post-doctoral grant from the Fundation** "**Angelo Della Riccia**" (Italia) at the *Instituto de Física Teórica UAM-CSIC, Universidad Autónoma de Madrid* from January, 1st to December, 31st 2018
2016	**Post-doctoral grant from the Fundation** "**Angelo Della Riccia**" (Italia) at the *Instituto de Física Teórica UAM-CSIC, Universidad Autónoma de Madrid* from June, 1st to December, 31st 2017
30/06/2017	**Mention** of **Doctor Europæus**
21/07/2009	Bachelor's Degree **Special Mention** for a particularly brilliant curriculum

Participation in Research Projects

2018–2020	Italian MIUR FARE Grant "**3DGLUE**" (**R16XKPHL3N**). Principal investigator (PI): Prof. **Alessandro Bacchetta**
2016–2019	Spanish National Grant **FPA2016-78022-P** MINECO FEDER 2014–2020. Principal investigator (PI): Prof. **Alberto Casas González**

Membership of Working Groups and Societies

Since 2020	**Member** of MAP Collaboration
Since 2020	**Member** of LHC Higgs Cross Section Working Group
Since 2020	**Member** of LHC Electroweak Working Group

Since 2020 **Member** of Particle Physics Community Planning Exercise 2021 (Snowmass 2021)

Since 2018 **Member** of Electron-Ion Collider User Group (EICUG)

Since 2018 **Member** of LHC Working Group on Forward Physics and Diffraction

Since 2018 **Member** of European Physical Society (EPS)

Since 2018 **Member** of Real Sociedad Española de Física (RSEF)

Since 2010 **Member** of Società Italiana di Fisica (SIF)

Computer Skills

Advanced C/C++, FORTRAN, PYTHON, WOLFRAM LANGUAGE, CernLib, Cuba, GPL, Grace, LaTeX, Mathematica, Minuit, Quadpack, Microsoft Windows, Linux, Android

Intermediate CUDA, Form, Geant4, Gnuplot, Fastjet, Pythia, Root, Mac OS, Basic servicing

Basic HTML

Certificates ECDL

Language Proficiency

Italian	**Mother tongue**	
English	**Fluent**	*B2 upper level certificate (Cambridge–ESOL FCE)*
French	**Elementary**	
German	**Intermediate**	*B2 level certificate (Goethe)*
Spanish	**Fluent**	
Ancient Greek		*proficiency in the translation of ancient texts*
Ancient Latin		*proficiency in the translation of ancient texts*

Main Research Interests

Theoretical physics of elementary particles, formal and phenomenological aspects of the theory of fundamental interactions, perturbative Quantum Chromodynamics and high-energy resummation, study and extraction of unintegrated parton densities in the nucleon, factorization theorems in strong interactions, advanced techniques of numerical computing in particle physics and development of original software for scientific research.