



# GIULIO CORDOVA

High Energy Physicist

## PROFILE

Passionate physics student with a good background in the theoretical and computational side. Enthusiastic to learn, I enjoy new challenges and I am highly motivated to work in an international environment.

## EDUCATION

**Master of Science in Physics**  
**Università di Pisa**

Dec 21 - NOW

My master degree in High Energy Physics has a specific focus on Data Analysis techniques. Besides the courses of theoretical physics on Quantum Field Theory and Fundamental Interactions, I am deepening my knowledge in performing statistical analyses with Data Mining, Machine Learning and Monte Carlo methods.

**Bachelor of Science in Physics**  
**Università di Pisa**

Oct 18 - Dec 21

The subject of my bachelor's thesis was a precise measurement of the branching ratios of the W boson decay with the CMS experiment. For this project I had a specific focus on the study of the Lepton Universality using Monte Carlo analysis. Other exams include experimental physics and electronics, classical mechanics and electrodynamics, quantum mechanics, basic nuclear physics, astrophysics, general chemistry, calculus, complex analysis, linear algebra, C, Python, ROOT Languages.

## ABROAD EXPERIENCES

**Bachelor of Arts Philosophy**  
**Humboldt Universität zu Berlin**

Oct 17 - Sep 18

After high school graduation, I attended Philosophy lectures at the Humboldt University of Berlin.

**Mittler Abschluss 10. Klasse**  
**Pindl Gymnasium Regensburg**

Jul 14 - Aug 15

I attended 10th grade classes in a German high school.

## VOLUNTEERING

**Chief Scout**  
**CNGEI Scout Pisa**

Sep 18 - NOW

I am a volunteer for the international scout movement at the Italian association CNGEI. The experience of leading a staff that takes care of the educational activities for a group of teens has provided me with logistic, organisation and social skills, as well as good team leading abilities.

## FOCUS FIELDS

Data Analysis

Particle Physics

Social and Complex  
Network Analysis

## PROGRAMMING

**L<sup>A</sup>T<sub>E</sub>X** 4+ yrs  
Proficient

**Python** 4+ yrs  
Advanced

**C/C++** 4+ yrs  
Advanced

**ROOT** 2+ yrs  
Intermediate

## LANGUAGES

Italian MT

English C1

German C1

Spanish A2

## CONTACTS

 24 November 1998

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