

CLAUDIO GALELLI

Date of birth: 07/12/1995
Place of birth: Brescia

Via Quinta Villaggio Sereno 19
25125 Brescia BS (Italia)
+39 334 3752697
galelli.cl@gmail.com
claudio.galelli@unimi.it
claudio.galelli@mi.infn.it

Quanto esposto è dichiarato come
DICHIARAZIONE SOSTITUTIVA DI
ATTO DI NOTORIETÀ
(art. 47 D.P.R. 28.12.2000 n. 445)

I obtained a bachelor's degree in Physics with an experimental thesis in the Milano group of the ATLAS experiment, studying the 2-photon decay channel of the Higgs' Boson under the supervision of Prof. Marcello Fanti.

During my Master's degree I developed a great interest for the field of Astroparticle Physics, culminating in my Master Thesis, with Prof. Lino Miramonti and Dr. Lorenzo Caccianiga of the Milano group of the Pierre Auger Observatory as advisors.

On behalf of the group I have been on the field at the Auger site in Malargue, Argentina, for a control shift on the telescopes, between July and August 2019.

I won a PhD grant for the XXXV cycle at the Università Statale di Milano, beginning my service in October 2019. My main area of interest during the PhD is the study of anisotropies in the ultra high energy cosmic ray sky.

EDUCATION:

2017-2019 Master's Degree in Physics

Università degli Studi di Milano - 1/10/2019 - 110/110

Title: *Feasibility of searching for past bursts of ultra high energy cosmic rays*

Advisor: Lino Miramonti (Unimi - INFN Milano)

Co-advisor: Lorenzo Caccianiga (Unimi - INFN Milano)

2014-2017 Bachelor's Degree in Physics

Università degli Studi di Milano - 16/10/2017 - 102/110

Title: *Studio di stati finali a due fotoni in collisioni protone-protone a 13 TeV registrate dall'esperimento Atlas.*

Advisor: Marcello Fanti (Unimi - INFN Milano)

July 2014 Diploma di maturità Scientifica (Scientific High School diploma) Liceo Scientifico Annibale Calini, Brescia - 95/100

RESEARCH:

October 2019-: PhD student in Physics, Astrophysics and Applied Physics at Università statale di Milano,

May 2019-: Associated to Istituto Nazionale di Fisica Nucleare presso il gruppo Auger di Milano, sotto la responsabilità del prof. Lino Miramonti.

22nd July-9th August 2019: Shifter at the central campus of the Pierre Auger Observatory, Malargue, Argentina.

PRESENTATIONS AND CONFERENCES:

Congresso nazionale SIF 2021 : Claudio Galelli for the Pierre Auger Collaboration

“Medium-scale anisotropies in the arrival directions of UHECRs observed by the Pierre Auger Observatory”; my communication was selected between the best of the conference to be published in “Il Nuovo Cimento”.

TEACHING:

2020-2022 : Tutor for the course “General Physics for Biotechnology”, chair prof. Pierre Pizzochero.

2019-2021 : Laboratory assistant for the course “Particle Physics Laboratory”, chair prof. Lino Miramonti.

OUTREACH:

June 2019: Tutor at the Astroparticle physics stage for high school students organized by INFN,

UNIMI and high schools in Milano.

November 2019: Participation in outreach activities for high school students during the “Cosmic Day” organized by the INFN.

KNOWN LANGUAGES:

Italian (Mother tongue) - English C1 - French A2

IT SKILLS:

OS: Linux, MacOS, Windows, Android.

Programming Languages: C, C++, Python, Javascript, HTML, Mathematica.

Scientific software: CERNRoot, CORSIKA, Geant4, .

Text editors: LaTeX, MS Office, Apple iWork.

OTHER INTERESTS:

In physics: Beside astroparticle physics I have interest in elementary particle physics, the field in which I did my bachelor's thesis. I've been interested in astronomy and astrophysics since I was young. I have basic notions of medical physics and electronics.

Other sciences: I am interested in biology, mainly taxonomy and microbiology. I have a fascination for archeology, especially of the roman period. I keep myself updated on the progress of consumer electronics.

Others: My main hobbies and interests outside of the sciences are photography, especially old analog processes and astrophotography; music, drone piloting, and houseplant care.