

Claudio Santonastaso - Curriculum Vitae

Updated on 5 Nov 2023

Contacts



Name and Surname  **Claudio Santonastaso**

Nationality  Italian

e-mail  claudio.santonastaso@gmail.com

Certified Email  c.santonastaso@pec.it

linkedIN  <https://linkedin.com/in/claudio-santonastaso>

Homepage  <https://claudiosantonastaso.it>

Education and training

Dates From September 11, 2023 to September 15, 2023

Institution Institute for Basic Science South Korea

Course Nuclei in the Cosmos XVII - School

Dates From September 18, 2022 to October 1, 2022

Institution CERN - European Council for Nuclear Research

Course Cern Accelerator School

Date September 1, 2022

Qualification awarded Teaching Habilitation - Physics

Exam Ordinary Competition Enabling and Assigning Chair

Dates From May 18, 2022 to May 22, 2022

Institution ATOMKI is the Institute for Nuclear Research, Hungarian Academy of Sciences

Position Visiting Researcher

Dates From October 4, 2021 to October 8, 2021

Institution CERN - European Council for Nuclear Research

Course Geant4 Advanced Course 2021

Dates From September 13, 2021 to September 20, 2021

Institution Institute of Modern Physics, Chinese Academy of Sciences

Course Nuclei in the Cosmos XVI - School

Date **September 1, 2021**

Qualification awarded Teaching Habilitation - Mathematics and Science

Exam Ordinary Competition Enabling and Assigning Chair

Date **July 7, 2021**

Institution SOLGroup

Course Training course for personnel involved in the use and handling of technical, pure and cryogenic gases

Date **June 30, 2021**

Institution INFN - National Institute of Nuclear Physics

Course Computer Security - BASIC

Date **October 18, 2019**

Institution e-Campus Telematic University

Course Teacher training course

Qualification awarded Training credits for teaching qualification.

Dates **From July 22, 2019 to July 26, 2019**

Institution INFN Pisa with University of Pisa

Course Rewriting Nuclear Physics Textbooks: one more step forward

Date **April 29, 2019**

Institution University of Salerno - Dep. of Physics

Qualification awarded Master Degree in Physics

Thesis title Change in ${}^7\text{Be}$ half-life in different environments

Graduation Full marks with honors

Marks

Dates **From July 24, 2017 to July 28, 2017**

Institution INFN Pisa with University of Pisa

Course Rewriting Nuclear Physics Textbooks: Basic nuclear interactions and their link to nuclear processes in the cosmos and on earth

Dates **From January 23, 2017 to September 15, 2017**

Institution University of Naples 'Federico II' in Partnership with Apple

Course Apple Developer Academy

Dates **From February 1, 2017 to April 23, 2017**

Institution Second University of Naples - Dept. of Mathematics and Physics

Course National Instrument LabView

Date September 26, 2016

Institution Second University of Naples - Dept. of Mathematics and Physics

Qualification Bachelor's Degree in Physics
awarded

Thesis title Feasibility study of measuring the half-life of ionized ^7Be

Graduation Full marks with honors
Marks

Date July 1, 2011

Qualification Scientific Studies High School Diploma
awarded

Graduation 89/100
Marks

Work Experience

Date



October 7, 2022

Employer

University of Campania "Luigi Vanvitelli" - Dept. of Mathematics and Physics

Position Volunteer

Event European Researchers' Night

Subject Scientific Populariser

Date



November 15, 2021

Employer

University of Campania "Luigi Vanvitelli" - Dept. of Mathematics and Physics

Position Post-Doc

Subject Application and development of isotopic methodologies for the characterization of materials and devices within the KM3NeT experiment

Dates



From September 15, 2021 to October 8, 2021

Employer

University of Campania "Luigi Vanvitelli" - Dept. of Mathematics and Physics

Course Basic Mathematical Tools for Physics

Position Mentor



Dates **From December 3, 2020 to June 7, 2021**
Employer University of Campania "Luigi Vanvitelli" - Dept. of Mathematics and Physics
Course Mechanics and Thermodynamics
Position Mentor



Dates **From October 6, 2020 to October 30, 2020**
Employer University of Campania "Luigi Vanvitelli" - Dept. of Mathematics and Physics
Course Basic Mathematical Tools for Physics
Position Mentor



Dates **From November 25, 2019 to June 5, 2020**
Employer University of Campania "Luigi Vanvitelli" - Dept. of Mathematics and Physics
Course Optics and Electromagnetism
Position Mentor



Dates **From October 14, 2019 to November 14, 2019**
Employer University of Campania "Luigi Vanvitelli" - Dept. of Mathematics and Physics
Course Assistance and support for newly matriculated students in the Bachelor of Science in Physics in acquiring basic mathematical tools for general physics
Position contract of cooperation



Dates **From November 1, 2019 to November 15, 2021**
Institution University of Campania "Luigi Vanvitelli" - Dept. of Mathematics and Physics
Course PhD course in Mathematics, Physics and Engineering Applications
Position phdStud
Subject Measurement of the cross section of $^{12}\text{C}(\alpha,\gamma)^{16}\text{O}$ with ERNA at CIRCE-DMF



Dates

From June 1, 2019 to July 31, 2019

Employer

University of Campania "Luigi Vanvitelli" - Dept. of Mathematics and Physics

Course

Realization of ERNA end of beamline detector stabilization system

Position

contract of cooperation



Dates

From October 1, 2018 to January 31, 2019

Employer

University of Campania "Luigi Vanvitelli" - Dept. of Environmental Biological and Pharmaceutical Sciences and Technologies

Course Physics

Position Mentor



Dates

From September 29, 2018 to September 30, 2018

Employer

University of Campania "Luigi Vanvitelli" - Dept. of Mathematics and Physics

Position Volunteer

Event European Researchers' Night

Subject Scientific Populariser



Dates

From March 12, 2018 to July 31, 2018

Employer

University of Campania "Luigi Vanvitelli" - Dept. of Environmental Biological and Pharmaceutical Sciences and Technologies

Course Physics

Position Mentor



Dates

From October 31, 2017 to October 31, 2019

Employer

Inputspace S.r.l.

Position ICT Director

Subject iOS Development



Dates **From September 29, 2017 to September 30, 2017**
Employer University of Campania "Luigi Vanvitelli" - Dept. of Mathematics and Physics
Position Volunteer
Event European Researchers' Night
Subject Scientific Populariser



Dates **From September 18, 2017 to November 15, 2017**
Employer University of Campania "Luigi Vanvitelli" - Dept. of Mathematics and Physics
Course Analytical Mechanics
Position Mentor



Dates **From July 11, 2017 to October 31, 2017**
Employer System Management S.p.A.
Position Mobile Developer



Dates **From June 1, 2017 to July 31, 2017**
Employer INNOVA
Position tirocinio
Subject Radiodattation with Carbon 14



Dates **From December 13, 2016 to July 15, 2017**
Employer University of Campania "Luigi Vanvitelli" - Dept. of Environmental Biological and Pharmaceutical Sciences and Technologies
Course Physics
Position Mentor



Dates **From September 29, 2016 to September 30, 2016**
Employer University of Campania "Luigi Vanvitelli" - Dept. of Mathematics and Physics
Position Volunteer
Event European Researchers' Night
Subject Scientific Populariser



Dates **From October 1, 2015 to December 31, 2017**
Employer Lionbridge
Position Internet Assessor (IT)
Subject Rating Program



Dates **2010-2012**
Employer Various
Position Waiter



Date **January 1, 2012**
Position Freelance iOS Developer

Publications

With referee

2023 KM3NeT broadcast optical data transport system
Journal IOP Publishing
DOI 10.1088/1748-0221/18/02/T02001

2021 Determination of the ${}^7\text{Be}(p, \gamma){}^8\text{B}$ cross section at astrophysical energies using a radioactive ${}^7\text{Be}$ ion beam
Authors R. Buompane, A. Di Leva, L. Gialanella, A. D'Onofrio, M. De Cesare, J. G. Duarte, Z. Fulop, L. R. Gasques, Gy. Gyurky, L. Morales-Gallegos, F. Marzaioli, G. Palumbo, G. Porzio, D. Rapagnani, V. Roca, D. Rogalla, M. Romoli, C. Santonastaso, D. Schurmann
Journal Physics Letters B
DOI 10.1016/j.physletb.2021.136819

2021 Change in the ${}^7\text{Be}$ half-life in different environments
Authors Santonastaso C., Buompane R., Di Leva A., Morales-Gallegos L., Itaco N., Landi G., Neitzert H. C., Rapagnani D., Gialanella L.
Journal IL NUOVO CIMENTO C. Vol. 44. Pag.1-4
DOI 10.1393/ncc/i2021-21075-8

Conferences Contributions

Conference Frontiers in Nuclear Astrophysics 2023

Organizer CeNAM (Michigan State University)

2023 Measurement of ${}^{12}\text{C}(\alpha, \gamma){}^{16}\text{O}$ with the ERNA recoil separator

Type Poster

Conference 11th European Summer School on Experimental Nuclear Astrophysics

2023 Recoil mass separators for nuclear astrophysics: The role of ERNA

Journal EPJ WEB OF CONFERENCES

DOI 10.1051/epjconf/202327501004

Conference The 16th International Symposium on Nuclei in the Cosmos (NIC-XVI)

Journal EPJ WEB OF CONFERENCES

DOI 10.1051/epjconf/202226011006

2022 Measurement of the ${}^7\text{Be}(p, \gamma){}^8\text{B}$ reaction cross section with the recoil mass separator ERNA

Conference GIANTS-XI 2022

2022 ${}^{12}\text{C}(\alpha, \gamma){}^{16}\text{O}$ measurement via inverse kinematic: the ERNA separator commissioning

Type Oral Presentation

Conference Nuclear Physics in Astrophysics X

2022 Measuring the ${}^{12}\text{C}(\alpha, \gamma){}^{16}\text{O}$ with ERNA: improvements and perspective

Type Poster

Conference Fifth National INFN Nuclear Physics Meeting 2022 - National Laboratories of Gran Sasso

2022 ERNA commissioning for the ${}^{12}\text{C}(\alpha, \gamma){}^{16}\text{O}$

Type Oral Presentation

2021 Laboratorio Circe: ottimizzazione della dose all'operatore

Authors G. Porzio, R. Buompane, S. Marrone, V. Festa, L. Gialanella, C. Santonastaso

Type Proceeding Paper

2021 Verso la misura della sezione d'urto della ${}^{12}\text{C}(\alpha, \gamma){}^{16}\text{O}$ a basse energie

Conference 107th National Conference SIF (Italian Physical Society)

Type Oral Presentation

Conference 106th National Conference SIF (Italian Physical Society)

2020 Influenza dell'ambiente sulla vita media del 7Be

Type Oral Presentation

Conference GIANTS-XI 2019

2019 Influencing 7Be half-life

Type Oral Presentation

Committees

2021 Member of the Organizing Committee

Conference GIANTS-XI 2022

Scholarships

Dates **From September 11, 2023 to September 15, 2023**

Conference Nuclei in the cosmos school (Daejeon, Korea)

Organizer Institute for Basic Science

Grant Travel Grant and Conference Fee

Dates **From May 21, 2023 to May 26, 2023**

Conference Frontiers in Nuclear Astrophysics 2023

Organizer CeNAM (Michigan State University)

Grant Travel Grant and Conference Fee

Date **November 1, 2019**

Course PhD course in Mathematics, Physics and Engineering Applications

Grant Scholarship

Dates **From July 22, 2019 to July 26, 2019**

Institution INFN Pisa with University of Pisa

Conference Rewriting Nuclear Physics Textbooks: one more step forward (Pisa, Italia)

Grant Travel Grant and Conference Fee

Dates **From June 4, 2018 to June 9, 2018**

Conference World Wide Developer Conference 2018 (San Josè, California, USA)

Organizer Apple

Grant Travel Grant and Conference Fee

Dates **From July 24, 2017 to July 28, 2017**

Institution INFN Pisa with University of Pisa

Conference Rewriting Nuclear Physics Textbooks: Basic nuclear interactions and their link to nuclear processes in the cosmos and on earth

Grant Travel Grant and Conference Fee

Dates **From June 5, 2017 to June 10, 2017**

Conference World Wide Developer Conference 2017 (San José, California, USA)

Organizer Apple

Grant Travel Grant and Conference Fee

Awards

Conferences

Dates From May 21, 2023 to May 26, 2023

Conference Frontiers in Nuclear Astrophysics 2023

Organizer CeNAM (Michigan State University)

Dates From October 22, 2022 to October 23, 2022

Conference GIANTS-XI 2022

Organizer Italian Group for Theoretical and Experimental Nuclear Astrophysics

Date October 11, 2022

Conference Nuclear Physics Mid Term Plan in Italy

Organizer INFN - National Institute of Nuclear Physics

Dates From September 4, 2022 to September 9, 2022

Conference Nuclear Physics in Astrophysics X

Organizer n_TOF and ISOLDE collaboration at CERN

Dates From May 8, 2022 to May 12, 2022

Conference Fifth National INFN Nuclear Physics Meeting 2022 - National Laboratories of Gran Sasso

Organizer INFN - National Institute of Nuclear Physics

Dates From September 21, 2021 to September 25, 2021

Conference Nuclei in the Cosmos XVI

Organizer Institute of Modern Physics, Chinese Academy of Sciences

Dates From September 13, 2021 to September 17, 2021

Conference 107th National Conference SIF (Italian Physical Society)

Organizer Italian Physical Society

Dates From September 14, 2020 to September 18, 2020

Conference 106th National Conference SIF (Italian Physical Society)

Organizer Italian Physical Society

Dates From October 23, 2019 to October 25, 2019
Conference GIANTS-XI 2019
Organizer Italian Group for Theoretical and Experimental Nuclear Astrophysics

Date June 29, 2019
Conference Insider Dev Tour (Caserta)
Organizer Microsoft

Dates From June 4, 2018 to June 9, 2018
Conference World Wide Developer Conference 2018 (San Josè, California, USA)
Organizer Apple

Dates From June 5, 2017 to June 10, 2017
Conference World Wide Developer Conference 2017 (San Josè, California, USA)
Organizer Apple

Languages

Mothertongue Italian
Other Languages English

Date June 1, 2009
Institution Trinity
Qualification ISE III European Level C1 awarded

Personal Skills and Competences

Operating Systems macOS, Windows, Linux
Office softwares Office suites (Microsoft, Google, LibreOffice)
Scientific Frameworks COSY INFINITY, Geant4, ROOT Cern, Gnu Scientific Library, SRIM, LISE
Programming Languages Objective-C, Swift, LabView, C, C++, Python, Java, HTML + CSS, Javascript, MATLAB, R
Programming Frameworks ReactJS, GatsbyJS, React Native, Loopback IBM, Angular
Technologies and services Docker, Firebase, Parse, AdSense

User Interface and User Experience.

Software AutoCAD, Sketch, Adobe XD, Photoshop, Pixelmator, GIMP

Project Management and Business

Concepts SCRUM, MVP (Minimum Viable Product), Trademark Protection, Value Proposition Canvas

Software Trello, Gantt, JIRA, Asana

Arts

Dates 2002 - 2010

Employer Caserta Academy of Music

Course Jazz Piano

Software Audacity, Garagement, Logic Pro, BandInABox

Licenses Driving License B and A3

Others

This CV was generated automatically using a Python script in combination with Excel and HTML/CSS code. More information on www.claudiosantonastaso.it/curriculum.html