

# **Curruculum Vitae of Mr. Lavorini Amino Adelmo**

**Statement:** *Memento Audere Semper, Audaces Fortuna Juvat*



## Personal Informations

- Mr. Lavorini Amino Adelmo (MSci in physics), Italian, born on 3rd December 1980 in Pescia, Pistoia (Italy)
- Resident in 69 via del mare, I-88046 Lamezia Terme, Catanzaro (Italy)
- Phone +39 392 34 24 279
- Driving Licence CZ5083647B I
- email: aadelmo.lavorini@gmail.com

## Further Informations

- [it.linkedin.com/pub/amino-adelmo-lavorini/17/794/49b/](https://it.linkedin.com/pub/amino-adelmo-lavorini/17/794/49b/)
- [www.researchgate.net/profile/Amino Lavorini](http://www.researchgate.net/profile/Amino_Lavorini)
- <http://inspirehep.net/author/profile/A.Lavorini.1>

## Fields of interest

In the field of physics, my main fields of interest are

- High-energy theory and phenomenology standard Model of the Elementary Particle Physics and beyond
- Cosmology
- Quantum Gravity

## Personal Skills

**Language Knowledge:** I'm Italian Native, and I can write and speak well

- English
- French

**Informatic Tools:** I am able to use the following operating systems and software

- Linux
- Mac
- Windows
- C
- C++
- Fortran
- ROOT
- GNUPLOT
- Scilab
- Numerical Analysis for Differentiation/Integration techniques
- Latex
- MonteCarlo Simulation techniques

I have also Good Knowledge of Python in particular, to prove this, I have all the certificate of Kaggle ([www.kaggle.com](http://www.kaggle.com)) Community (from June to July 2022); in particular

- [Intro to Programming](#)
- [Python](#)
- [Intro to Machine Learning](#)
- [Pandas](#)
- [Intermediate Machine Learning](#)
- [Data Visualization](#)
- [Feature Engineering](#)
- [Intro to SQL](#)
- [Advanced SQL](#)
- [Intro to Deep Learning](#)
- [Computer Vision](#)
- [Time Series](#)
- [Data Cleaning](#)
- [Intro to AI Ethics](#)
- [Geospatial Analysis](#)
- [Machine Learning Explainability](#)
- [Intro to Game AI and Reinforcement Learning](#)

**Miscellaneous:** Many activities carried out, have given me the opportunity to use following software

- Stellarium Desktop Planetarium
- Nightshade Astronomy Simulator
- LibreOffice
- Gimp Image Editor
- Inkscape

**Relationing Skills:** Having started several collaborations, I have acquired the following experiences

- Attitude in Workgroup especially for International Collaborations
- Experience in teaching as University Tutor for students with disabilities
- Good Experience as private teacher of mathematics and physics
- Good Experience in Scientific Divulgation

**Get Organizing Skills:** I have also experience in

- Workgroup Coordination for International Collaborations
- Workgroup Coordinator for Scientific Divulgation

#### Work Experiences et a

- Clerk at Clear Planet S.r.l.s. experience in tenders, from 01.03.2021 to 31.12.2021
- Cleaning and sanitizing attendant at Clear planet S.r.l.s. from 03.2020 to 01.03.2021
- Telephone operator at Planet Group Srl from 04.2019 to 05.2019
- Cleaning attendant at Clear Planet from 11.2018 to 02.2020
- Dishwasher and cook assistant at DOMAINE DU CHATEAU ST JEAN DE GONVILLE from 01.2017 to 04.2018
- Scientific Collaborator at Parma Planetarium activities from 14th March to 16th May 2015 [www.facebook.com/planetarioparma](http://www.facebook.com/planetarioparma) for Omnia Eventi [www.oecom.it/](http://www.oecom.it/)
- Expert tutor for students with disabilities from 12nd to 22nd Jan 2015 [www.cnudd.it](http://www.cnudd.it) (University National Conference of Delegates for Disabilities);
- Expert evaluator as a student for the National Agency for the Evaluation of University and Research Institutes system [www.anvur.org](http://www.anvur.org)
  1. board of expert evaluators at Università di Camerino from 23rd to 27th March 2015
  2. board of expert evaluators at Università della Tuscia from 30th November to 4th December 2015
- Collaborator for Scientific Research in the field of high-energy diffraction from 2010 to 2013
- Member of the Italian Physical Society (SIF) in the years 2009 and 2010, [www.sif.it](http://www.sif.it)
- January 2005 M. Agent, unskilled worker
- January 2003 - November 2003 Bodega G. & C. S.P.A., unskilled worker
- January 2002 - December 2002 Bodega G. & C. S.P.A., unskilled worker
- July 2001- December 2001 ADECCO, unskilled worker
- March 2000 - January 2001 National Service in the Italian Navy
- 1994-1999 school leaving certificate as a surveyor

#### Contributions to scientific research

#### Publications:

- S. Fazio, R. Fiore, L.L. Jenkovszky and A.A. Lavorini Phys. Rev. C 85, 5 (2012)
- S. Fazio, R. Fiore, L.L. Jenkovszky, A.A. Lavorini, V.K. Magas, Ukr. J. Phys. 57, 12 (2012)

- S. Fazio, R. Fiore, L.L. Jenkovszky, A.A. Lavorini and A. Salij, Acta Physica Polonica B 44, 6 (2013)

### Proceedings:

- ISMD09: International Symposium on Multiparticle Dynamics, Gomel (Belarus), 4th - 9th September 2009. Deeply Virtual Compton Scattering and Exclusive Vector Meson Production at HERA.
- L. Jenkovszky, S. Fazio, R. Fiore, and A. Lavorini; DIS, USA: 11th - 15th April 2011. XIX International Workshop on Deep-Inelastic Scattering and Related Subjects
- Low-x, Spain, 2nd -7th June 2011
- EDS (Blois), Vietnam, 14th-21st December 2011: 14th Workshop on Elastic and Diffractive Scattering Frontiers of QCD: From Puzzles to Discoveries
- AIP Conf. Proc., Diffraction 2012, 1523, 83-86 (2013)

### Summer school and Workshop:

- ECT10 workshop on Diffractive and Electromagnetic Processes at the LHC: ECT - Trento (Italy), 4th - 8th January 2010
- Summer school on Diffractive and Electromagnetic Processes at high energies: Acquafredda (Maratea, Italy), 6th - 10th September 2010

### Collaborators:

- Dr. Salvatore Fazio, Brookhaven National Laboratory, Physics Department Box 5000, Upton, NY 11973, USA, phone +1 (631) 344-4920, [sfazio@bnl.gov](mailto:sfazio@bnl.gov)
- Prof. Roberto Fiore, Università della Calabria and Istituto Nazionale di Fisica Nucleare Gruppo collegato di Cosenza, Ponte Pietro Bucci - cubo 31C, I-87036 Arcavacata di Rende, Cosenza, Italy, phone (+39) 0984 49 6018, [fiore@cs.infn.it](mailto:fiore@cs.infn.it)
- Prof. Laszlo L. Jenkovszky, Bogolyubov Institute for Theoretical Physics and National Academy of Sciences of Ukraine, Kiev, 14-b, Metrolohichna str. Kiev, 03680, Ukraine, phone +38 (044) 52 13 461, [jenk@bitp.kiev.ua](mailto:jenk@bitp.kiev.ua)
- Prof. Volodymyr K. Magas, Universitat de Barcelona, Departament d'Estructura i Constituents de la Matèria, ECM, Facultat de Física, Av. Diagonal 647, 08028 Barcelona, Spain, phone +34 93 403 88, [vladimir@ecm.ub.es](mailto:vladimir@ecm.ub.es)

### Academic Degree

- Ph.D student at Università Degli Studi di Parma (XXIX cycle, without scholarship): 2014-2015 (studies dropped-out on 16th March 2015)
- **2nd Level Degree (MSc)** 2008-2012 at Università degli Studi della Calabria, via Pietro Bucci - 3I-87036 Arcavacata di Rende, Cosenza, Italy  
*Subject of Master Thesis: Models for the exclusive diffractive production of real photons and vector mesons in a factorized Regge-pole framework* (published on

<http://www.infn.it/thesis>)

Relators: Prof. Roberto Fiore, Prof. Alessandro Papa

- **1st Level Degree (BSc)** 2005-2008 at Università degli Studi della Calabria, via Pietro Bucci - I-87036 Arcavacata di Rende, Cosenza, Italy  
Subject of Bachelor Thesis: *Supersymmetry in Quantum Mechanics* (In Italian);  
Relator: Prof. Alessandro Papa

**Relators:**

- Prof. Roberto Fiore, Università della Calabria and Istituto Nazionale di Fisica Nucleare Gruppo collegato di Cosenza, Ponte Pietro Bucci - cubo 31C, I-87036 Arcavacata di Rende, Cosenza, Italy, phone (+39) 0984 49 6018, [fiore@cs.infn.it](mailto:fiore@cs.infn.it)
- Prof. Alessandro Papa, Università della Calabria and Istituto Nazionale di Fisica Nucleare Gruppo collegato di Cosenza, Ponte Pietro Bucci - cubo 31C, I-87036 Arcavacata di Rende, Cosenza, Italy, phone +39 0984 49 6015, [papa@cs.infn.it](mailto:papa@cs.infn.it)

Lamezia Terme, Italy:

Lavorini Amino Adelmo (MSc in Physics)