



Alice Aldi

Nationality: Italian



Date of birth: 13/12/1991

Gender: Female

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ABOUT ME

I consider myself a competent person in my field of research, collaborative, decisive, with organizational experience also in a field other than research. Not deal with difficulties It is not my typical behaviour. I use my skills to help people to solve their problems. I am a person able to work both in teams and individually.

WORK EXPERIENCE

Author of science article

University of Roma "Tor Vergata", Department of Physics and INFN Roma2 section [01/11/2017 – Current]

City: Roma

Country: Italy

A. Aldi, M. Bianchi and M. Firrotta, "Spinning-off stringy electro-magnetic memories," *Nucl.Phys.B* 974 (2022) 115625 doi:10.1016/j.nuclphysb.2021.115625

A. Aldi, M. Bianchi and M. Firrotta, "String memories... openly retold," *Phys. Lett. B* 813 (2021), 136037 doi:10.1016/j.physletb.2020.136037.

A. Aldi and M. Firrotta, "Closed superstring moduli tree-level two- point scattering amplitudes in Type IIB orientifold on $T6/(Z2 \times Z2)$," *Nucl. Phys. B* 961 (2020), 115218 doi:10.1016/j.nuclphysb.2020.115218

A. Aldi and M. Firrotta, "String coherent vertex operators of Neveu- Schwarz and Ramond states," *Nucl. Phys. B* 955 (2020), 115050 doi:10.1016/j.nuclphysb.2020.115050

Inspire link: <https://inspirehep.net/authors/1810324>

Media Manager

University of Roma "Tor Vergata", Department of Physics [01/01/2021 – Current]

City: Roma

Country: Italy

I am the social media manager for the Physics Department of the University of Rome "Tor Vergata". This assignment has been entrusted to me to increase the visibility of the department itself. My role is to manage, organize, propose and promote various actions in the field of scientific dissemination and orientation for the university.

- In particular I manage the social: Facebook, Twitter and Instagram. I also manage the official web site of the Department of Physics Roma "Tor Vergata".
- I work actively with a comic drawer, giving my help on the scientific content of her comics and on other activities that she does for the "Tor Vergata" physics Department (and not only). I am the author of several scientific dissemination projects ("La Fisica in uno scatto - prima edizione", "Un martedì da Fisica, la fisica nel tuo quotidiano", ect.).
- I am the "Tor Vergata" physics Department communication manager for the "European Researcher's Night 2021".

Fellow

University of Roma "Tor Vergata" [17/06/2021 – Current]

City: Roma

Country: Italy

Scholarship 6+ 6 months, aimed at the continuation and completion of post-graduate training on the subject:

- Six months: "Design, planning and operational management of the social channels of the Department of Physics (Facebook, twitter, Instagram, etc.) and their impact on the students of the last years of Secondary Schools" at the University of Rome " Tor Vergata".
- Extension, six months: "Strengthening of the design, planning and operational management of the social channels of the Physics Department with reference to the HORIZON 2020 European projects (already in place at the Physics Department) and the news of the new European Framework Program for Research and Innovation, HORIZON EUROPE ".

The training activity takes place at the Physics Department.

Internship

University of Roma "Tor Vergata" [07/01/2021 – 30/04/2021]

City: Roma

Country: Italy

TRAINING AND GUIDANCE PROJECT ART. 4, PARAGRAPH 2 OF D.M. N ° 142 OF 25 MARCH 1998 called "Grants for supplementary teaching and tutoring / incentive activities" for the design, planning and operational management of the social channels of the Physics Department (already in place: Facebook, Twitter, Instagram, etc.) to increase the attention and attractiveness of students, of secondary schools of II degree, towards the didactic, orientation, research and third mission activities carried out by the Physics Department of the University of Rome "Tor Vergata".

Author of a magazine

University of Roma "Tor Vergata", Department of Physics [01/01/2019 – Current]

City: Roma

Country: Italy

I am a co-author of the annual report for the department of physics. I am the author and supervisor of the scientific research section and a collaborator for the full texture of the other sections. First publication: Dipartimento di fisica Università degli studi di Roma Tor Vergata, Report Annuale 2017 e 2018", ea ANICIA editor, ISBN: 9788867094707 (In italian), December 2019. Second publication: "Dipartimento di fisica Università degli studi di Roma Tor Vergata, Rivista Annuale del dipartimento di fisica 2019",ea ANICIA ISBN: 9788867095414 (In italian), December 2020. Third publication: Dipartimento di fisica Università degli studi di Roma Tor Vergata, Rivista Annuale del dipartimento di fisica 2020",ea ANICIA ISBN: 9788867095827 (In italian), Giugno 2021

University teaching assistant

University of Roma "Tor Vergata" [01/10/2018 – 30/09/2019]

City: Roma

Country: Italy

I worked as a teaching assistant (tutor) for the course of "mathematical methods for physics 2" for the master's degree in physics. The tutoring activity was entrusted to me through the public competition announcement with the purpose of "checks for the incentive to tutoring activities pursuant to art. 13 of the law of 19 November 1990, n. 341, reserved for those enrolled in the Courses of Doctorate with administrative headquarters in the University of Rome "Tor Vergata" active in the Macroarea of Sciences MM.FF.NN ".

PhD student in theoretical physics

University of Roma "Tor Vergata" [01/11/2017 – 14/04/2021]

City: Roma

Country: Italy

PhD student in the field of theoretical physics of high energy physics. The field of my research activity is String theory, with interest on its applications in particle physics, cosmology and high energy astrophysics. During this period I was the tutor for the course "mathematical method for physicists 2" for the master course in physics. I was also an exam commission member for: Mathematical methods for physicists 2; Mathematical methods for astrophysicists 2; Lie algebras and group theories. During this period I was also a member of the physics department council as representative of the students and PhD students of the physics department.

EDUCATION AND TRAINING

Certificate of Attendance

Tempo srl - " Course on the use of Easy" [06/09/2021 – Current]

Address: Vico Capurso, 5, 70126 Bari (Italy)

Certificate of Attendance and Final Valuation

CO.IN.FO - Scuola di Management della Ricerca "Horizon Europe Course" [08/07/2021 – 09/07/2021]

Address: via G. Verdi, 8 , 10124 Torino (Italy)

Doctor of philosophy in physics

University of Roma "Tor Vergata" [01/11/2017 – 14/04/2021]

Address: via della ricerca scientifica, 1, 00133 Roma (Italy)

Field(s) of study: Theoretical physics of High Energy, String Theory

Thesis: String scattering amplitudes in orientifolds: the role of the Real Projective plane

Certificate of Attendance and Final Valuation

INFN - Istituto Nazionale di Fisica Nucleare - "IT security - Basic course" [25/09/2020 – 25/09/2020]

Address: Via Enrico Fermi , 54, 00044 Frascati (Italy)

Master's degree

University of Roma "Tor Vergata" [01/10/2014 – 29/09/2017]

Address: via della ricerca scientifica, 1, 00133 Roma (Italy)

Field(s) of study: Physics, curriculum theoretical physics of high energy

Final grade : 110/110

Thesis: String quantum corrections to Kähler potential in orientifolds

Bachelor's degree

University of Roma "Tor Vergata" [01/09/2010 – 27/05/2014]

Address: via della ricerca scientifica, 1, 00133 Roma (Italy)

Field(s) of study: Physics

Final grade : 92/110

Thesis: Il teletrasporto in meccanica quantistica

High-school student

Liceo Scientifico Ascanio Landi [01/09/2005 – 16/08/2010]

Address: Viale Salvo D'acquisto, 61, 00049 Velletri (Italy)

Final grade : 82/100

LANGUAGE SKILLS

Mother tongue(s): **Italian**

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

DIGITAL SKILLS

Social Media / Zoom / Skype / Latex Software / Windows, MacOS, Linux(wsl) / Wolfram Mathematica / Apple iWork (Pages Numbers Keynote) / OBS Project / G-Suite Google (Google Classroom, Google Meet, Google Docs, Google Forms, etc.) / MS Office (MS Word; MS PowerPoint; MS Excel; MS Publisher; MS Outlook; MS Teams)