

Matteo Albéri

Department of Physics and Earth Sciences
University of Ferrara
Polo Scientifico Tecnologico
Via Saragat 1 – 44122 – Ferrara
alberi@fe.infn.it
+39 329 0715328



EDUCATION

February 2018

PhD in Physics

Title of the thesis: *Gamma radiation: a probe for exploring terrestrial environment*
Department of Physics and Earth Sciences - University of Ferrara

March 2014

Master Degree in Astrophysics and Cosmology

Title of the thesis: *La Principal Component Analysis per la riduzione dei dati di SPHERE IFS*
Department of Physics and Astronomy of the University of Bologna
Final mark: **102/110**

December 2010

Bachelor Degree in Astronomy

Title of the thesis: *Il criovulcanesimo nel sistema solare*
Department of Physics and Astronomy of the University of Bologna

CERTIFICATIONS

11 July 2016 – 21 July 2016

Summer Institute “Using Particle Physics to Understand and Image the Earth” – Gran Sasso Science Institute (GSSI)
– L’Aquila

November 2016

Cambridge English Entry Level Certificate in ESOL

Preliminary English Test (University of Cambridge) – Council of Europe Level B1

COMPREHENSION		SPOKEN		WRITTEN
Listening	Reading	Interaction	Oral production	
B1	B1	B1	B1	B1

TEACHING

2017

- Teaching assistant for the Summer School in Nuclear Physics and Technologies (Department of Physics and Earth Sciences– University of Ferrara).
- Teacher assistant for the Summer Stage in Physics (Department of Physics and Earth Sciences – University of Ferrara).
- Teaching assistant for the Course of Physics II (Bachelor's degree in Geological Science – University of Ferrara)

2016

- Teaching assistant for the Summer School in Nuclear Physics and Technologies (Department of Physics and Earth Sciences – University of Ferrara).
- Teaching assistant for the Course of Physics I (Bachelor's Degree in Electronic Engineering – University of Ferrara)

2015

- Teaching assistant for the Course of Physics I (Bachelor's Degree in Electronic Engineering – University of Ferrara)

POST-BACHELOR EXPERIENCE

Planetarist at:

- Festival di Scienza e Filosofia di Foligno (2012/2014 editions)
- Scienza in Piazza di Bologna (2012/2014 editions)
- Festival della Scienza di Genova (2012/2015 editions)
- Children's Book Fair di Bologna (2014 edition)
- Futura Festival di Civitanova Marche (2014 edition)
- Festival dell'Innovazione e della Scienza di Settimo Torinese (2014 edition)

PERSONAL SKILLS AND COMPETENCES

Programming skills

Good knowledge of C, C++, Fortran, Root, LaTeX.

Basic knowledge of MATLAB, html.

PEER REVIEWED SCIENTIFIC PAPERS

1. **Albéri, M.**, Baldoncini, M., Bottardi, C., Chiarelli, E., Fiorentini, G., Raptis, K. G. C., Realini, E., Reguzzoni, M., Rossi, L., Sampietro, D., Strati, V. and Mantovani, F. *Accuracy of flight altitude measured with cheap GNSS, radar and barometer sensors: implications on airborne radiometric surveys*. Sensors (2017). DOI:10.3390/s17081889. **(IF: 2.964)**
2. Baldoncini, **M.**, **Albéri, M.**, Bottardi, C., Raptis, K. G. C., Minty, B., Strati, V. and Mantovani, F. *Exploring atmospheric radon with airborne gamma-ray spectroscopy*. Atmospheric Environment (2017). DOI: 10.1016/j.atmosenv.2017.09.048. **(IF: 3.948)**
3. Baldoncini, **M.**, **Albéri, M.**, Bottardi, C., Raptis, K. G. C., Minty, B., Strati, V. and Mantovani, F. *Airborne gamma-ray spectroscopy for modeling cosmic radiation and effective dose in the lower atmosphere*. IEEE Transactions on Geoscience and Remote Sensing (2017) DOI: 10.1109/TGRS.2017.2755466. **(IF: 4.942)**

4. Kaçeli Xhixha, M., **Albéri, M.**, Baldoncini, M., Bezzon, G.P., Buso, G.P., Callegari, I., Casini, L., Cuccuru, S., Fiorentini, G., Guastaldi, E., Mantovani, F., Mou, L., Oggiano, G., Puccini, A., Rossi Alvarez, C., Strati, V., Xhixha, G., Zanon, A. *Map of the uranium distribution in the Variscan Basement of Northeastern Sardinia*. Journal of Maps (2015). DOI:10.1080/17445647.2015.1115784 (**IF: 1.435**)
5. Xhixha, G., **Albéri, M.**, Baldoncini, M., Bode, K., Bylyku, E., Cfarku, F., Callegari, I., Hasani, F., Landsberger, S., Mantovani, F., Rodriguez, E., Shala, F., Strati, V., Kaçeli Xhixha, M. *Calibration of HPGe detectors using certified reference materials of natural origin*. Journal of Radioanalytical and Nuclear Chemistry (2015). DOI: 10.1007/s10967-015-4360-6 (**IF:3.698**)
6. D. Mesa, R. Gratton, A. Zurlo, A. Vigan, R. U. Claudi, **M. Albéri**, J. Antichi, A. Baruffolo, J.-L. Beuzit, A. Boccaletti, M. Bonnefoy, A. Costille, S. Desidera, K. Dohlen, D. Fantinel, M. Feldt, T. Fusco, E. Giro, T. Henning, M. Kasper, M. Langlois, A.-L. Maire, P. Martinez, O. Moeller-Nilsson, D. Mouillet, C. Moutou, A. Pavlov, P. Puget, B. Salasnich, J.-F. Sauvage, E. Sissa, M. Turatto, S. Udry, F. Vakili, R. Waters and F. Wildi, *Performance of the VLT Planet Finder SPHERE - II. Data analysis and results for IFS in laboratory*. Astronomy & Astrophysics, 576 (2015) A121 DOI:/10.1051/0004-6361/201423910 (**IF: 5.014**)

CONFERENCE PROCEEDINGS

7. **Albéri M.**, Baldoncini M., Callegari I., Mantovani F., Raptis K. G. C., Realini E., Reguzzoni M., Rossi L., Sampietro D., Strati V. “*Studio della quota di volo mediante GNSS, altimetro radar e barometro per rilievi di spettroscopia gamma da velivolo.*” Atti 20a Conferenza Nazionale A.S.I.T.A., Cagliari, 8-10 novembre 2016, ISBN 978-88-941232-6-5; pp: 661-669. (2016).

PAPERS NOT PEER REVIEWED

8. **Albéri M.** *Vi presento MAORY fermerà le luci del cielo*, Le Stelle; 153: pp. 60-63 (2016)
9. **Albéri M.** *Parco delle stelle in una culla astronomica*, Le Stelle; 148: pp. 56-61 (2015)
10. **Albéri M.** *E Maxwell volò sugli anelli di Saturno*, Le Stelle; 138: pp. 62-65 (2015)
11. **Albéri M.** *In Cile si apre l'occhio che vedrà le altre terre*, Le Stelle; 132: pp. 48-51 (2014)