

Valerio Pia

Curriculum Vitæ

Via Gianni Palmieri 7/5

40138

Bologna, Italy

☎ +39 348 77 05 153

✉ pia.valerio@gmail.com

Brith date: 24/01/1993

Brith place: Rome (RM), Italy

Education

2019–now **PhD in Particle Physics**, *Alma Mater Studiorum - University of Bologna*, Alma Mater Studiorum - University of Bologna, Viale Berti Pichat 6/2, 40127 Bologna.

2016–2019 **Master Physics Degree**, *Alma Mater Studiorum - University of Bologna*, Viale Berti Pichat 6/2, 40127 Bologna, *Grade: 110/110 cum laude*.

Supervisor: Dr. Nicoletta Mauri

Thesys abstract: I studied the spatial resolution for a new track reconstruction methods which use the Coded Mask Aperture technique. In this context I developed the simulation, recontruction, track finding and analysis codes needed.

1-5 October 2018 **Sixth National Seminar on Innovative detectors**, *INFN, Bologna and Ferrara divisions*.

2012–2016 **Bachelor Physics Degree**, *Alma Mater Studiorum - University of Bologna*, Viale Berti Pichat 6/2, 40127 Bologna, *Grade: 94/110*.

Thesys title: Calcolo del flusso di raggi- del Blazar PKS B1424-418

Supervisor: Prof. Maurizio Spurio

Link: <https://amslaurea.unibo.it/12048/>

Thesis abstract: I analyzed the flux of gamma-ray produced by the blazar PKS B1424-418 in search of anaomalies. The analysis was carried on using the Fermi Science Tools

2007–2012 **High School Degree**, *IIS Campus Leonardo da Vinci*, Via Tusicum, 06019 Umbertide (PG), *Grade: 100/100*.

Outreach

July 2019 Tutor of the Alternanza Scuola Lavoro (INFN), project for the high-school students.

Site: <https://agenda.infn.it/event/19031/sessions/14618/20190704>

2016 - now Associated with AISF (Associazione Italiana Studenti di Fisica) - Member and founder of the Local Committees of Bologna.

Site: <https://ai-sf.it>

2016 - now Organizing member of the local "Pint of Science", an annual international event with the aims to deliver interesting and relevant talks on the latest science research in an accessible format to the public.

International site: <https://pintofscience.com>

Italian site: <https://pintofscience.it>

Jan-Apr 2019 Helper of the Italian team at the 2019 IPT (International Physicist Tournament).

Site: <https://iptnet.info/>

Nov 2018 - Jan 2019 Helper of the winning team at the 2019 IPT's National Selection, *Politecnico di Milano, Milano*.

Oct-Nov 2018 Organizing member and speaker of the local "IAPS (International Association of Physics Student) International School Day 2018". Topic discussed: Cosmic ray, detector and building of a cloud chamber, *Alma Mater Studiorum - University of Bologna, Bologna*
Site: <https://www.iaps.info/activities/iaps-school-day/>

Jan-Apr 2018 Member of the Italian team at the 2018 IPT, *MIPT, Moscow*.

Nov 2017 - Jan 2018 Member of the winning team at the 2018 IPT's National Selection, *Politecnico di Milano, Milano*.

Working experience

2017 - now Development and maintenance of the website for the *Grannoce Bed & Breakfast*.

Jan 2019 - now Online business manager of the *Grannoce Bed & Breakfast*.

Languages

Italian Native language

English B1

Computer skills

Languages C++, \LaTeX , MATLAB, phyton.

Toolkit ROOT, Geant4, Fermi Science Tools

Operating System Windows and Linux based systems

Software Microsoft Office package - AICA ECDL certificate skillcard n: 1667157,

CAD-2D/3D - AICA certificate skillcard n: CAD011573,
3D-graphic software (Blender, Maya).