





PERSONAL INFORMATION



Paolo Walter Cattaneo

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Sex M | Date of birth 05/09/1963 | Nationality Italian

POSITION
LEVEL OF EDUCATION

Senior Researcher in Istituto Nazionale Fisica Nucleare
Ph.D. in Physics

WORK EXPERIENCE

From 01/10/2015– to now

Adjunct Professor

Università di Pavia, Corso di Laurea in fisica, Via Bassi 6, 27100, Pavia
[Astroparticle](#)

From 01/10/2014 to
30/09/2015

Adjunct Professor

Università di Pavia, Corso di Laurea in fisica, Via Bassi 6, 27100, Pavia
[Astronomia](#)

From 01/01/2013– to now

Abilitazione Scientifica Nazionale as Full Professor

Università di Pavia, Corso di Laurea in fisica, Via Bassi 6, 27100, Pavia
[Astroparticle](#)

From 01/01/2007 to now

Senior Researcher in INFN

INFN Pavia Section, Via Bassi 6, 27100, Pavia
[Particle physics](#)

From 01/10/1992 to
30/09/1993

Adjunct Professor

Università di Pavia, Corso di Laurea in fisica, Via Bassi 6, 27100, Pavia
[Fisica dei neutroni](#)

From 01/01/2007 to now

Researcher in INFN

INFN Pavia section, Via Bassi 6, 27100, Pavia
[Particle physics](#)

From 01/01/1988 to now

CERN unpaid associate

CERN Espl. des Particules 1, 1211 Meyrin, Switzerland
[Particle physics](#)

From 01/01/1988 to
15/12/1990

Ph.D. Student

Max-Planck-Institut fuer Physik und Astrophysik, Foehringer Ring 6, Muenchen, BRD
[Particle physics](#)

EDUCATION AND TRAINING

- From 10/1994 to 01/1997 **Laurea in fisica (110/110 Lode)**
Università degli studi Pavia

- From 01/1988 to 07/1994 **Dottorato di ricerca in fisica (Magna cum Laude)**
Ludwig Maximilian Universitaet Muenchen, BRD

- From 07/1990 to 07/1990 **Certificat d'Etudes de Francais Pratique 1**
Alliance francaise

- From 10/1983 to 11/1987 **Laurea in fisica (110/110 Lode)**
Università degli studi Milano

- From 09/1977 to 07/1972 **Maturità scientifica (60/60)**
Liceo scientifico Donato Bramante, Magenta (MI)

PERSONAL SKILLS

Mother tongue(s)
Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Italian					
English	C1	C2	C1	C2	C1
Replace with name of language certificate. Enter level if known.					
German	B1	B2	B2	B1	B1
Mittelsestufe zwei (rilasciato dalla Ludwig Maximilian Universitaet)					
French	B1	C1	A2	A2	A2
Academie Francaise: Certificat d'Etudes de Francais Pratique 1					

Communication skills

- Good communication and relational skill developed in the research and academic community
- I can speak with ease in public in italian and in english thanks to many conference presentations
- Resilience and excellent ability to adapt thanks to long stays abroad and participation in large collaborations in multicultural environments
- Writing skills in science thanks to the numerous scientific articles written
- Outreach skills gained in various presentations for educational purposes in schools and to citizenship and on the occasion of researchers' nights and other third mission activities

Organisational / managerial skills

- Coordination of scientific activities thanks to local responsibilities (up to 10 collaborators)
- Coordination of scientific activities thanks to responsibilities in international experiments
- Management of reeseach budget up to 150000 euro per year

Organisational positions

- 2001-2004 Local responsible experiment AUGER
- 2008-now Local responsible experiment AGILE
- 2008-now Local responsible experiment MEG
- 2013-2015 Local responsible experiment GAMMA400

2013-2016 Local responsabile experiment CaloCube
 2018-ora Local responsabile experiment HERD

1994 Representative of the researchers in section council of INFN Pavia
 2015 Representative of the researchers in section council of INFN Pavia
 2019 Representative of the researchers in section council of INFN Pavia

2015 Contact person of the VQR in the Pavia INFN section

Job-related skills

- Extensive experience of data analysis with software tools and with deep mathematic/statistical skills
- Extensive experience in design of systems of detectors for experimental apparatus both at laboratory level than at large experiment
- In-depth knowledge of detector physics in particular those semiconductor based
- In-depth knowledge of detector readout systems

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Proficient user

- Excellent knowledge of the operating system Linux
- Good knowledge of the operating system Windows
- Good knowledge of the tools in the office suite (text processing, electronic sheet, presentation software) both in Linux and Windows environments
- Excellent skill in programming in Linux with different languages: Fortran, C, C++
- Excellent skill in managing several programs for data manipulation and visualization (PAW, ROOT)
- Good knowledge in Data Base management

Other skills

- 2012-now Parents Representative in the classes of my sons from grammar school to high school
- 2011-2014 City council member

Driving licence

Driving licence B

ADDITIONAL INFORMATION

- Scientific activities** a) Particle physics
b) High energy astrophysics
c) Instrumentation for nuclear physics: detectors and readout systems
- Scientific production** 2 Master thesis (one translated in english, with number ISBN)
1 Ph.D. thesis (with number ISBN)
- Publications** 270 papers on journal
Presentations 31 Presentations to congress
- Bibliometry:**
Database Scopus al 01/10/2019
- Papers: 296
- H-index 58
Citations total: 11,278
- Web of Science al 01/10/2019**
- Publications: 287
- H-index 56
Citations total: 10,859
- Inspires al 01/10/2019**
- Publications: 304
- H-index 74
Citations totals: 17,142
- Supervisor of one Ph.D. thesis
Supervisor of three master thesis
- Projects** ■ 2018 submitted at VV3TT Proof of Concept Venture Program 2018 (POC 2018)
the project Occhio Bionico (Bionic Eye) that passed the first level evaluation for admission to interview.
- Prizes and awards** - Corecipient as member of AGILE team of the prize Bruno Rossi of the High Energy Astrophysics division of the [American Astronomical Society](#) for high energy astrophysics.
- Supervisor of the thesis awarded with the INFN Premio Bruno Rossi 2009 as best Ph.D. thesis in commission II of Dr. Fabrizio Boffelli.
- Refereeing activity** Referee of several international journals:
- IEEE Transaction on Nuclear Science
- Vacuum
- Journal of Computational and Applied Mathematics
- Journal of Electromagnetic Waves and Applications
- Sensors
- Journal of King Saud University
- Nuclear Instrument & Methods
- Arabian Journal for Science and Engineering
- The Astrophysical Journal
- Optical Engineering
- Referee of the following research projects:
- One proposal PRIN of MIUR.
- Two proposal SIR (Scientific Independence of young Researchers) del MIUR. For one of these also Rapporteur (with the task of drafting the final evaluation).
- Proposal of COST (European Cooperation of Science and Technology) from European Union
- Progetti scientifici del National Center of Science and Technology Evaluation (NCSTE) del Kazakhstan

ANNEXES

- Full lista of publications
- CV full and detailed