

PIERA LUISA GHIA
Laboratoire de Physique Nucleaire et des Hautes Energies (LPNHE)
4 Place Jussieu
75252 PARIS (FRANCE)
Tel. 0033 1 44272318
Email: pghia@lpnhe.in2p3.fr



CURRICULUM VITAE

Academic position: Director of Research (DR2) at LPNHE-CNRS, Paris.

Civil status: Italian, born on May 15th, 1963, in Asti, Italy, married in 1990, one child born in 1997

Academic achievements and professional positions

1982: High school degree at Liceo Classico Vittorio Alfieri di Asti

1982-1986: "Laurea" degree course in Physics at Turin University, Italy

1985-1986: "Laurea" thesis on the detection of extensive air showers through radio emission, at the Institute of Cosmo-Geophysics of the National Research Council (CNR) and at Turin University

1986: "Laurea"¹ in Physics (magna cum laude) at Turin University; experimental thesis: "On EAS detection at energy $>10^{14}$ eV with a ionospheric probe at ≈ 2 MHz", director Carlo Castagnoli

1987: Achievement of a CNR fellowship for the "Realization of a large area detector for EAS for the Gran Sasso Laboratory" and admittance at III cycle of PhD in Geophysics at Genoa University

1988-2010: permanent researcher at the Institute of Cosmo-Geophysics of the National Research Council (Turin, Italy) (up to 2001), at the Institute of Interplanetary Physics (Rome) of CNR (up to 2005), and then at the Institute of Interplanetary Physics, Turin, of INAF (up to 2010)

1988-2010: associated to the INFN group of Astro-Particle Physics and Neutrino in Turin and then at Gran Sasso Laboratory with research appointment (since 2003)

1997-2007: detachment at Gran Sasso Laboratory (INFN)

2006: Achievement of the qualification for University Professor in Astronomy and Astrophysics, and in Elementary Particle Physics, delivered by the France Education Ministry

2007-2008: Visiting researcher at Institut de Physique Nucleaire, CNRS, Orsay, France

2008-2010: Marie Curie Intra-European-Fellow (Marie Curie People Program, UE-FP7) at IPN, Orsay, France

Now (since 2010): Director of Research (DR2) at LPNHE, CNRS, Paris, France.

Awards

1992: Italian Physics Society (SIF) award for the scientific activity to young laureates in Physics

1999: Italian Physics Society award for the best oral communications given at the SIF Conference

Scientific Activities and Responsibilities

- 1988-2000: member of the EAS-TOP collaboration
- 1990-2000: Responsible for the analysis of gamma-ray astronomy for EAS-TOP
- 1990-now: Member of the Large Volume Detector (LVD) collaboration
- 1996-1999: project INTAS-93-303-EXT with the BASA experiment (Baksan Neutrino Observatory, Russia): "Primary cosmic ray anisotropy and composition at energies $>10^{14}$ eV"
- 1997-2000 Contact person for the EAS-TOP experiment for the Gran Sasso Laboratory
- 2000-now: Member of the editorial board of the LVD experiment
- 2000-2007: Contact person for the LVD experiment for the LNGS computing centre
- 2000-now: Member of the Pierre Auger Observatory collaboration
- 2001-2011: Member of the KASCADE-Grande collaboration
- 2003-2005: Co-task leader of event selection analysis task for the Pierre Auger Observatory
- 2005-2009: Task leader of the detector task on acceptance in the Pierre Auger Observatory
- 2008-2010: Task leader of the physics task on Point Sources in the Pierre Auger Observatory
- 2009-2010: Member of the Publication Committee of the Pierre Auger Observatory
- 2010-now: Chair of the Publication Committee of the Pierre Auger Observatory
- 1988-now: 102 publications in peer-reviewed journals

¹ In Italy, the "Laurea" in Physics delivers the title of Doctor in Physics