

# Curriculum Vitae - Fabrizio Palla

## CURRENT POSITION

Dirigente di Ricerca at Istituto Nazionale di Fisica Nucleare (INFN) Pisa

## WORKING POSITIONS

Post-Doc, INFN Pisa	1993-1994
Post-Doc, Institut de Fisica d'Altes Energies (IFAE), Barcelona, Spain	1994-1995
Ricercatore (Staff) INFN, Pisa	1996-2006
Scientific Associate, CERN, Geneve, Switzerland	1999-2000
Primo Ricercatore INFN, Pisa	2007-2015
Scientific Associate, CERN, Geneve, Switzerland	2013-2014
Dirigente di Ricerca INFN, Pisa	2015-now

## EDUCATION

Liceo Scientifico Ulisse Dini, Pisa, 60/60	1983
<i>Laurea</i> in Physics, University of Pisa, 110/110 <i>cum laude</i>	March 2nd, 1989
PhD Student, Scuola Normale Superiore di Pisa	1990-1992
PhD degree in Physics, Scuola Normale Superiore of Pisa, 70/70 <i>cum laude</i>	1994

## ITALIAN NATIONAL SCIENTIFIC QUALIFICATION

Full Professor qualification for 01/A2 (General Physics)	2014-2023
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## ACADEMIC RECORDS

Lecturer of Physics at Faculty of Medicine - University of Pisa	1992-1993
Contract Professor, Faculty of Engineering - University of Pisa	1996-1997
M.Sc. Thesis co-advisor T. Boccali, University of Florence (Physics)	1997
M.Sc. Thesis co-advisor A. Giammanco, University of Catania (Physics)	1999
PhD. Thesis co-advisor Zhen Xie, Scuola Normale Pisa (Physics)	2001
Lecturer of "Experimental apparatus", Physics Dept. - University of Pisa	2003-2007
Member of the scientific committee of the School of Physics - Martignano	2004-2006
PhD. Thesis co-advisor Zongchang Yang, PKU, Peking, China (Physics)	2009
PhD. Thesis co-advisor Shuang Guo, PKU, Peking, China (Physics)	2011
M.Sc. Thesis advisor Alberto Vesentini, University of Pisa (Physics)	2011
PhD. Thesis advisor Luca Martini, University of Siena (Physics)	2013
Member of the CMS Data Analysis School (CMSDAS) Committee	2013-2020
PhD. Thesis advisor Stamatis Poullos, University of Siena (Physics)	2017
M.Sc. Thesis advisor Simone Cammarata, University of Pisa (Photonics)	2019
Chair of the CMS Upgrade school Committee	2013-2020

## MAJOR RESEARCH COORDINATIONS

P.I. INFN in European funded project RTN PRSATLHC HPRN-CT-2002-00326	2002-2006
Team Leader of CMS Pisa group	2009-2013
P.I. INFN in European funded project ITN INFIERI FP7 n°317446	2013-2017
Team Leader of Pisa group in CHIPIX65 (pixel readout chip) at INFN	2014-2017
Team Leader of Pisa group in RD53 (pixel readout chip) at CERN	2013-now
P.I. of PHOS4BRAIN (Optical Wireless and Silicon Photonics links) at INFN	2018-2020
P.I. INFN SiPhoSpace project (rad-hard optical links for space) of the European funded project H2020 Grant no. 777222	2019-2020

P.I. INFN of ASI (Agenzia Spaziale Italiana) funded project FOCS on optical wireless components for future space missions 2019-2021  
P.I. INFN of ISHTAR University of Pisa funded project on rad-hard electronics 2019-2020

### **MAJOR SCIENTIFIC COORDINATION**

Heavy Flavours convener of ALEPH experiment at CERN	1999-2002
Member of the LEP Heavy Flavor Steering Group at CERN	1999-2002
CMS Tracker Editorial Board Chair	2003-2010
Coordination of assembly and commissioning of the CMS Silicon Tracker	2004-2006
Editor of the Conference “Primo Workshop Italiano sulla fisica di ATLAS e CMS”	2004
Member of the IAC Workshops WIT (Workshop on Intelligent Trackers)	2010-now
Member of the IAC of the “Beauty” Conference Series	2013-now
Member of the IAC of the “Connecting the dots” Workshops Series	2015- now
Convener of the CMS B-Physics group	2013-2015
Co-Chair conference “Vertex2016”	2016
Member of the LHC Heavy Flavour Steering group	2015-now

### **MAIN SCIENTIFIC AND TECHNOLOGICAL RESEARCH TOPICS**

Electroweak measurements, b-quark physics, Higgs boson discovery and properties (ALEPH and CMS experiments at CERN)  
Gravitational wave interferometry detector R&D (Virgo)  
Tracking and Trigger Technologies for High Energy Physics  
Radiation tolerant 65 and 28 nm electronic circuits design  
Silicon Photonics links developments

### **SCIENTIFIC PUBLICATIONS**

More than 1300 papers, h-index 114 (Web of Science)

ORCID: <https://orcid.org/0000-0002-6361-438X>

### **AWARDS AND HONORS**

- The 2013 High Energy and Particle Physics European Physical Society Prize (to the ATLAS and CMS collaborations) “for the discovery of a Higgs boson, as predicted by the Brout-Englert-Higgs mechanism”
- Best Thesis Award (Conversi Prize of the INFN) for 2014 for PhD Thesis of L. Martini
- Best Thesis Award (Società Italiana di Fisica) for 2011 for the M.Sc. Thesis of A. Vesentini
- Best paper on Electronics, Circuits and Systems of MOCAS 2016 Conference (Sponsored by IEEE).

### **OUTREACH**

Coordinator of the “Art & Science Across Italy” Pisa node, Edition 2018-2020.  
Several seminars at High Schools

### **LANGUAGE SKILLS**

Italian: mother tongue  
English: fluent written and spoken  
French: advanced written and spoken  
Spanish: Intermediate written and spoken

15 October 2020

Signature