

Véronique PUILL

Education:

2000: Doctor in High Energy Physics, "Participation to the calibration of the CMS ECAL ", CEA Saclay

Current and Past positions:

- 2002 - present: Research Engineer at the LAL laboratory, Orsay, France
- 2000 - 2002: Engineer in charge of the Physics Experiments, HAMAMATSU, France
- 1997 - 2000: Phd student in CEA, Saclay, France

Responsibilities:

- Deputy Director of LAL (since sept 2017)
- Deputy head of the SERDI (Service Electronique, Recherche en Détecteurs et Instrumentation, 46 people) of LAL (2012 --> 2017)
- Responsible for the GRED (Detector Research and Study Group) 2004 --> 2017
- LAL representative in the Captinnov working group of the laboratory of Excellence P2IO (Physics of the 2 infinities at Orsay) since 2010 and in the Expert Group since 2015
- Coordinator of the IN2P3 Photodetector network from 2014 to 2017
- Member of the Organizing Committee of the conference international NDIP (New Developments in photodetector) since 2008.
- LAL correspondent for the valorization of research developments with the industrials partners (2005-2011)

Research Activities:

From 2016 : Cherenkov Lab project (Development of a multichannel detection chain for the measurement of an absolute particles flux with an accuracy of 5 % and a timing resolution of 20 ps) : Project Manager. Collaboration with IPNO, CSNSM, LPC Caen and Universities of Science and Technology of China and Kiev (Internship students)

From 2014 : UA9 CpFM (development of a detection chain that counts the number of protons of the deflected SPS halo with a precision of about 5%): Project Manager, design, implementation and tests. Collaboration with CERN, INFN, PNPI and Kiev University (Internship and PhD student)

2012- 2015: CORTO (Cosmic Ray Telescope at Orsay): Project Manager, design, tests and calibration of the telescope. Collaboration with IPNO, Seoul and Kiev University

2008-2011: SuperB (study of new high-speed photodetectors (SiPM, MCP-PMT) for the Forward PID Detector)

2005-2008 : Study of the electrical and optical Silicon Photomultiplier (SiPM) properties

2002-2004 : Development of a gaseous micropattern detector: Micromégas (R&D for the ILC TPC)

Teaching, review talks:

- * EDIT school, CERN 2011: Photo-detectors: principles, performance and limitations
- * IEEE NSS 2012, USA: Recent progress in solid-state Photodetectors
- * INFIERI 2013 School, Oxford : Intelligent PMTs versus SiPMs
- * NDIP 2014, 2017, France: lecture on SiPM
- * NNN14, Paris: review talk on SiPM and PMTs
- * EDIT school, Frascati, 2015: Advanced Photosensors