

## CHIPP representative in LA FLARE: *Election of one additional expert*

January 2013/JPR

### Introduction

According to the 'rules' as spelled out in the call 2012 for FLARE, the Lenkungsausschuss LA FLARE is composed of one representative each of the SNSF Research Council and of the SERI (State Secretariat for Education, Research, and Innovation [formerly: SER – State Secretariat for Education and Research]), as well as one expert mandated by each of the scientific communities concerned by FLARE (particle physics, astroparticle physics, astronomy). At its first meeting in December 2012, the LA FLARE followed a suggestion of CHIPP and agreed to extend the LA FLARE membership to the Swiss scientific delegates in the largest or most important organisation in the three fields of research.

Article 27, litt. e of the CHIPP Statutes designates the CHIPP Board to elect (and revoke) “... *the officers of the Association ... [...] representing the Association in national and international bodies.*”

### Proposal

As a result of the decisions taken at the LA FLARE in December 2012, CHIPP will be represented in LA FLARE by two Members (one each for particle and astroparticle physics) and two Observers (the scientific CERN Council delegate, and the scientific ApPEC delegate).

At present, three of the four experts are known (O. Schneider [observer, CERN Council], T. Montaruli [observer, ApPEC General Assembly], K. Kirch [member, CHIPP Chair, particle physics]).

A call for nominations for identifying the ApP representative has resulted in two candidates having received the largest number of nominations (in alphabetical order): M. Pohl, A. Rubbia.

Both candidates have indicated their willingness to serve in this function for the years 2013/2014. Their CVs are attached.

**The Board** (in conformity with Article 27, litt. e) is requested **to elect M. Pohl or A. Rubbia** as CHIPP ApP representatives in LA FLARE for the period 2013/2014.

Required majority: simple

Name, first name:		Pohl, Martin
Date and place of birth:	18/09/1951	Castrop-Rauxel, Germany
Civil status:		married, without children
University studies:	1970 to 1976	RWTH Aachen, Germany
Diploma:	1976	Observation of kaons and hyperons in the Gargamelle experiment
PhD:	1979	The properties of weak currents in exclusive neutrino reactions, RWTH Aachen
Habilitation:	1990	The MARK-J Experiment at PETRA: Gauge Theories on the Workbench, ETH Zürich
Employment:	1979 to 1984	III. Physikalisches Institut A, RWTH Aachen, Postdoc
	1984 to 1999	ETH Zürich, Labor für Hochenergiephysik (LHP), head of section
	since 1999	Université de Genève, Département de physique nucléaire et corpusculaire, ordinary professor
	2000 to 2006	Radbout University Nijmegen, extraordinary professor
Research:	1976 to 1979	CERN Genève: Gargamelle experiment
	1979 to 1984	DESY Hamburg (Germany): MARK J experiment at PETRA
	1984 to 2000	CERN Genève: L3 experiment at LEP
	since 1998	PSI Villigen: FAST experiment on muon lifetime
	since 1998	AMS experiment of NASA/DoE
	since 2001	CERN Genève: ATLAS experiment at LHC
Functions:	1982 to 1983	Analysis coordinator for MARK J
	1990 to 1992	Coordinator of central detector group for L3
	1991 to 1995	Coordinator of tau lepton physics group for L3
	1996 to 2000	Member of the L3 Management Board
	1999 to 2003	Co-spokesman of the FAST collaboration
	2005 to 2011	Head of the physics department at Université de Genève
	since 2011	Director of the Department for Nuclear and Particle Physics at Université de Genève
	2007 to 2011	Member of the Executive Board of the Swiss Institute of Particle Physics CHIPP, chairman in 2010/11

## Curriculum Vitae

**Name:** Prof. Dr. André RUBBIA  
**Address:** Institut für Teilchenphysik, ETH Zürich, CH-8093 Zürich (Switzerland)  
**Tel:** +41-44-633-3873 **Fax:** +41-44-633-1233  
**Email:** [rubbia@ethz.ch](mailto:rubbia@ethz.ch)  
**Born:** 12<sup>th</sup> August 1966, in Geneva, Switzerland.  
**Nationality/Status:** Swiss / Married, 3 children (Aléna, Elisa, Victor)  
**Languages:** English, French, Italian, German

Current employment: Full Professor of particle physics at ETH Zürich

### Professional Career and academic degrees:

- since 2003 • Full Professor of particle physics, ETH Zürich, Switzerland
- 2010 • Visiting Professor, KEK, Tsukuba, Japan (on sabbatical leave)
- 1998-2003 • Associate Professor, ETH Zürich, Switzerland
- 1995-1998 • Research Physicist, CERN staff, PPE division, CERN
- 1993-1995 • Research Physicist, CERN fellow, PPE division, CERN
- 1991-1993 • Doctor of Philosophy in Physics, Ph.D. Thesis, MIT, Cambridge, USA
- 1990-1991 • Research Assistant, Electromagnetic Interactions Group, MIT, Cambridge, USA
- 1985-1990 • Diplôme studies and degree, University of Geneva, Geneva, Switzerland

### International research projects:

- 2011-: Large Apparatus for Grand Unification and Neutrino Astrophysics – Long Baseline Neutrino Oscillations (**LAGUNA-LBNO**) FP7 design study
- 2008-2011: Large Apparatus for Grand Unification and Neutrino Astrophysics (**LAGUNA**) FP7 design study
- 2007-: Measurement of pion and kaon production by 30 GeV protons off the T2K target in the NA49 apparatus at CERN (**NA61**)
- 2006-: The long-baseline experiment at the JPARC to Super-Kamiokande neutrino beam (**T2K**)
- 2006-2012: The Oscillation Project with Emulsion-tRacking Apparatus at the Gran Sasso (**OPERA**)
- 2004-: Direct search for dark matter in the Universe based on Liquid Argon (**ArDM**)
- 1998-2006: Study of solar, atmospheric, supernova and accelerator neutrinos; search for nucleon decay and for other rare astrophysical processes at the Gran Sasso Laboratory (**ICARUS**)
- 1993-2003: Neutrino oscillation magnetic detector at the CERN SPS WANF neutrino beam (**NOMAD**)
- 1989-1993: High energy  $e^+e^-$  experiment at LEP (**L3**)

### Service and managerial work (last 10 years):

- 2011- Coordinator (PI) of the EC FP7 LAGUNA-LBNO design study
- 2010- Member of the Nikhef Scientific Advisory Committee (SAC)
- 2010- Member of the Fermilab Directorate Physics Advisory Committee (PAC)
- 2007- Member of the T2K executive board (6 members)
- 2004- PI of the Argon Dark Matter experiment (CERN RE18)
- 2003- Head of the Institute IPP, Deputy-Head of the Institute IPP at ETHZ
- 2008-2011 Coordinator (PI) of the EC FP7 LAGUNA design study
- 2007-2011 T2K ND280m magnet project manager
- 2006-2010 European Astroparticle (ASPERA) Roadmap Scientific Advisory Committee
- 2004-2007 Chairman, Vice-Chairman of CHIPP (Swiss Institute for Particle Physics)
- 2004-2007 Member of Conseil Scientifique LAL-Orsay (France)
- 2004-2006 Member of the Governmental HEP financing committee (Spain)
- Referee for the following journals: Astro. Part., Phys. Lett. B, Phys. Rev.D, JHEP, JINST, NJP, Journal of Phys. G: Nuclear and Particle Physics, EPJ C