

## Election of an Executive Board member for 2016–2017

Oct. 2015

### Introduction

The CHIPP Executive Board (EB) is composed of up to four individuals: the Chair and one to three Vice-Chairs (Statutes Article 28.2). Their term of office is two years and renewable (Statutes Article 28.3). The members of the CHIPP EB are elected by the Board (Article 27, litt. e of the Statutes).

At the CHIPP Board meeting 2015-02 (29/30 June 2015, item 4) Tatsuya Nakada was elected as CHIPP EB member and as CHIPP Chair for 2016–2017, succeeding to Olivier Schneider. But, in the same meeting, Rainer Wallny expressed that he is no more available for re-election due to private reasons.

Therefore, the EB will include the following members for the year 2016:

- Tatsuya Nakada (Chair), 3<sup>rd</sup> term until end 2017
- Teresa Montaruli (Vice-Chair), 2<sup>nd</sup> term until end 2016
- Adrian Signer (Vice-Chair), 1<sup>st</sup> term until end 2016

Experience over the past years has shown that it is beneficial to have all four positions filled. Therefore the CHIPP Chair has proposed to the Board to proceed with the election of one additional incoming EB member for the period from Jan. 2016 to Dec. 2017.

### Proposal

The call for nominations resulted in 21 nominations from Board members from 5 different institutes. Three Board members have been nominated, but after discussion, only one of them – Günther Dissertori – is standing for election. His CV is attached. He has the support of the EB.

**The Board** (applying Article 27, litt. e of the Statutes) is invited

- **to elect** Günther Dissertori for a 1<sup>st</sup> EB term from 1 January 2016 to 31 December 2017

Required majority: simple

# Curriculum Vitae

Prof. Günther Dissertori

Institute for Particle Physics, ETH Zurich, CH-8093 Zurich, Switzerland  
E-mail: dissertori@phys.ethz.ch, Tel: +41-1-633 4288, Fax: +41-1-633 1103

Born: November 24<sup>th</sup>, 1969 in Meran, Italy  
Nationality: Italian  
Current employment: Full Professor for Particle Physics at ETH Zurich.

## Academic career

Sept. 1994 - March 1997: Ph.D. thesis (summa cum laude) at the Institute for Experimental Physics, University of Innsbruck, Austria, and at CERN, ALEPH experiment. Supervisors: Univ.Doiz. Dr. G. Rudolph and PD Dr. M. Schmelling.  
Oct. 1992 – Nov. 1993: Diploma in Physics (summa cum laude) at the University of Innsbruck.  
Oct. 1988 – Sept. 1992: University studies in physics at the University of Innsbruck, Austria.  
Sept. 1983 - July 1988: High School *Albert Einstein*, Meran, Italy

## Professional Career

Since June 2007: Full Professor for Particle Physics at ETH Zurich.  
Sept. 2001 – May 2007: Assistant Professor (Tenure Track) for Particle Physics at ETH Zurich.  
July 1999 – Aug. 2001: CERN Research Physicist (Staff, EP Division), CERN, Switzerland.  
April 1997 – June 1999: CERN Fellow (EP Division), CERN, Switzerland.  
Sept. 1994 – March 1997: CERN Doctoral Student, CERN, Switzerland.  
Nov. 1993 – Aug. 1994: Graduate Student Research Associate, High Energy Physics group, Institute for Experimental Physics, University of Innsbruck, Austria.  
July 1992 – Sept. 1992: CERN Summer Student, CERN, Switzerland.

## Awards

Nov 2013: Credit Suisse Award for best teaching at ETH  
Nov 2005 and 2009: “Golden Owl”, awarded by the students of ETH Zurich (Physics Department) for outstanding achievements as teacher.  
1998: Prize: FUTURA Stiftung Junge Südtiroler im Ausland  
September 1997: Viktor-Franz-Hess Prize, awarded by the Austrian Physical Society every year for an outstanding Ph.D. thesis in the fields of nuclear or particle physics.  
April 1993: Dr. Otto Seibert Stipendium, awarded by the Academic Senate of the University of Innsbruck, Austria.

## Scientific activities

**Data Analysis:** Expert on QCD (Quantum Chromodynamics), convener of the ALEPH QCD physics group; measurements at LEP, e.g. strong coupling constant, mass of the b-quark, QCD colour factors, event shapes; improved theoretical calculations of jet rates; tests of the electroweak theory at LEP2, limits on four-fermion interactions and on the light gluino; supervision of analyses of test beam data of the CMS ECAL calorimeter and of hadron collider data from the CDF experiment at the Tevatron, Fermilab, USA; physics analyses at the LHC, in particular measurements of Standard Model processes and search for the Higgs boson and supersymmetric particles; Jan07-Dec08: convener of the CMS JetMET Physics Objects Group; Jan 2010 – Dec 2011: Deputy Physics Coordinator of the CMS Collaboration.

**Detector Development and Detector Running:** Project leader for the CMS ECAL DCS (Detector control system); R&D towards rad-hard scintillating materials for hadron-collider calorimetry; Development of novel pixel detectors based on the deposition of hydrogenated amorphous silicon on ASICs (SIAM Collaboration); Development and construction of an electromagnetic calorimeter for the PEBS balloon spectrometer; Development of novel PET scanners (AxPET and SAFIR (PET-MRI) projects).

**Software Development:** Development of an object oriented analysis toolkit for ALEPH data, supervision of the development of the DCS software tools for CMS ECAL, as well as of software for reconstruction, analysis and simulation tools for the CMS experiment.

## Teaching and Supervising experience

Lecturer of introductory as well as advanced physics courses at ETH Zurich, the Universities of Innsbruck and Milano, several PhD schools (Parma, SISSA (Trieste), GGI (Florence), St. Andrews (Scotland), Zuoz (CH), Ascona (CH), CTEQ (Peru), LHCPHENONET (Hungary)), DESY (Germany), Zakopane (Poland).  
Lecturer in the CERN Academic Training and Summer Student Programs;  
PhD theses: 33 (24 finished, 9 on-going)  
Diploma/Master theses: 27

## Membership in societies

Member of the Austrian and Swiss Physical Societies

## Committees:

Since Jul 2014 : Deputy Chair person of the CMS Collaboration Board;  
2012-2014 : Chair person of the CMS ECAL Institution Board;  
Member of the CMS Executive, Management, Finance, Collaboration, Detector Control Steering and the Computing Institution Boards, CMS ECAL Institution and Finance Board;  
Member of the ALEPH Editorial Board and Steering Committee;  
Member or chair of Professor selection or habilitation committees at ETH and other Universities;  
Former Member of the Prize Committee, Swiss Physical Society;  
Former Head of the Strategy Committee, Department of Physics, ETH Zurich;  
Member of the Scientific Board of the Centro Stefano Franscini;  
Former Member of the Studienkommission, ETH Zurich;  
Former Swiss representative in the European Particle Physics Outreach Group (EPPOG);

Since Aug 2011: Head of the Institute for Particle Physics, ETH Zurich;

Referee for the journals JHEP, Physics Letters B and European Physical Journal C;  
Member of the Editorial Board of the European Physical Journal EPJ Plus;

Member of the Particle Data Group, co-author of the PDG QCD Review.

## Presentations at International Conferences and Workshops:

In total 58 talks

## Invited talks at Seminars and Colloquia:

In total 36 talks