

Curriculum Vitae of Roberto Contino

Date and place of birth: January 7th, 1974, Roma, Italy

Nationality: Italian

Present position: Associate Professor of Theoretical Physics,
Scuola Normale Superiore, Pisa

Academic Positions:

2013 – 2016 Joint Scientific Staff, Ecole Polytechnique Fédérale de Lausanne (EPFL) and CERN
2009 – 2016 Ricercatore, University of Rome La Sapienza
2007 – 2009 CERN Fellow
2006 – 2007 Ricercatore INFN, Rome I division
2003 – 2006 PostDoc, The Johns Hopkins University, MD, USA
2002 – 2003 PostDoc, Universidad Autonoma de Madrid, SP
2001 – 2002 Della Riccia Foundation Fellow, CERN

Education:

1999 – 2002 Ph.D. in Theoretical Physics (with honors)
Scuola Normale Superiore, Pisa
1998 – 1999 INFN Research Fellow, Rome I division
1997 Degree in Physics (with honors)
University of Rome La Sapienza

Teaching:

2016 *Topics in the Standard Model and Beyond* for Ph.D. students (EPFL),
Elementary Particle Theory I and II, Scuola Normale
2014 *Advanced QFT* for master and Ph.D. students (EPFL)
2013 *Physics* for pharmacists (U. of Rome La Sapienza)
2010, 2012 *Mechanics* for physicists, Teaching Assistant (U. of Rome La Sapienza)
2008 – 2012 *Models of Electroweak Symmetry Breaking* for Ph.D. students
(U. of Milano Bicocca, U. of Milano and U. of Rome La Sapienza)

Students:

Ph.D. Students N. Vignaroli, M. Ghezzi, M. Salvarezza, K. Mimouni
Master Students D. Marzocca, M. Salvarezza, A. Di Iura

Refereeing:

Journal of High Energy Physics; Physical Review Letters;
Nuclear Physics B; European Physical Journal C

Advanced Lectures and International Summer Schools

1. 2014 PSI Summer School, Zuz, CH. Lectures on “Effective Theories for Higgs Physics”.
2. 2012 Academic Training Lectures on “Electroweak Symmetry Breaking”, CERN.
3. 2011 ICTP International School on “Strongly Coupled Physics Beyond the Standard Model”
4. 2009 TASI School in Elementary Particle Physics, “The Physics of the Large and the Small”. Lectures on: *The Higgs as a Pseudo-Goldstone boson*.
5. 2007 International School of Theoretical Physics, Parma, Italy. Lectures on *The Composite Higgs*.
6. Invited lectures on *Composite Higgs Models*, Louvain University, Belgium, 2007.

Invited Plenary Talks

1. “A First Glance Beyond the Energy Frontier”, ICTP, Trieste, September 2016
2. “SEARCH 2016” Workshop, Oxford, September 2016
3. 3rd NPKI Workshop, Korea University, Seoul, June 2016
4. “Higgs Effective Field Theories - HEFT2015”, Chicago, November 2015
5. “Gearing up for LHC 13”, Galileo Galilei Institute, Florence, October 2015
6. “The High-Energy Physics Kit - HEPKIT2015”, Karlsruhe Institute of Technology, Germany, October 2015
7. Johns Hopkins 39th Workshop, Gothenburg, Sweden, August 2015
8. 2015 CHIPP Annual Plenary Meeting, June 2015
9. Workshop on “Physics at the High-Luminosity LHC”, CERN, May 2015
10. Workshop on “Higgs Pair Production at Colliders”, Mainz, April 2015
11. 2015 Zurich Phenomenology Workshop “The flavour of new physics”, Zurich, January 2015
12. International Conference ‘Invisibles 14’, Paris, July 2014
13. 1st Future Hadron Collider Workshop, CERN, May 2014
14. Planck 2014 International Conference, Paris, May 2014
15. Workshop on “Physics at a 100TeV Collider”, SLAC, April 2014
16. Les Rencontres de Physique de la Vallée d’Aoste, La Thuile, March 2014
17. SUSY 2013 Conference, ICTP, Trieste, Italy, August 2013
18. Conference ‘SEARCH 2013’, Stony Brook University, USA, August 2013

19. The 2013 European Physical Society Conference on High Energy Physics (EPS-HEP 2013), Stockholm, Sweden, July 2013
20. Conference 'Beyond the SM after the first run of the LHC', GGI, Florence, Italy, July 2013
21. VI Workshop Italiano sulla Fisica p-p a LHC, Genova, Italy, May 2012
22. International Conference 'From Strings to LHC - III', Puri, India, December 2012
23. Johns Hopkins 36th Workshop, GGI, Florence, Italy, October 2012
24. Planck 2012 International Conference, Warsaw, Poland, 2012
25. ICTP Workshop on 'Strongly Coupled Physics Beyond the Standard Model', Trieste, Italy, 2011
26. 'Higgs Hunting 2011' Workshop, Orsay, France, July 2011
27. 'Physics at the LHC' International Conference, Perugia, Italy, June 2011
28. Planck 2010 International Conference, CERN, Switzerland, 2010
29. Hadron Collider Physics Symposium, Evian, France, 2009
30. Incontri sulla Fisica delle alte energie, IFAE 2009, Bari, Italy
31. Workshop on Higgs Boson Phenomenology, Zurich, Switzerland, 2009
32. Workshop on Montecarlos and Simulations for the LHC, Frascati, Italy, 2008
33. European Midterm Meeting, Pisa, Italy, 2006
34. Workshop on Montecarlos and Simulations for the LHC, Frascati, Italy, 2006

Organization of Conferences and Schools

1. CERN Workshop "Charting the Unknown: interpreting LHC data from the energy frontier", 25 July-12 August, 2016
2. "GGI Lectures on the Theory of Fundamental Interactions" (International school for Ph.D. students in Theoretical Physics), 2014-2016, Florence
3. Conference "The Search for New States and Forces of Nature", October 26-30, 2009, Galileo Galilei Institute, Florence
4. GGI Workshop "Searching for New Physics at the LHC", 2009, Florence

Grants

1. Iniziativa Specifica INFN "AstroAlteEnergie - AAE" (sezioni Pisa, Trieste e LNGS), Responsabile Nazionale, from 1/1/2017
2. PRIN 2010, Responsabile Unità di Ricerca, Università di Roma La Sapienza
3. Fondi Ateneo 2010, 2011, 2012 (Università di Roma La Sapienza), Principal Investigator