

Curriculum vitae of **Stefania Spagnolo**

September 19th, 2018

Personal information

Stefania Spagnolo
ADDRESS Dept. "Ennio De Giorgi", University of Salento
c/o ex Collegio Fiorini, via Arnesano, I-73100, Lecce, Italy
TEL AND FAX +39 0832 297439, +39 0832 325128
EMAIL AND WEB SITE stefania.spagnolo@cern.ch, [homepage](#)
NATIONALITY Italian
DATE OF BIRTH 30 September 1969



Employment record

Nov. 2015 - present: Associate Professor in Experimental Physics at Dept. of Mathematics and Physics "Ennio De Giorgi", University of Salento
Apr. 2001 - Oct. 2015: Researcher at Dept. of Mathematics and Physics "Ennio De Giorgi", University of Salento
Apr. 1998 - Mar. 2001: Research Associate, Rutherford Appleton Laboratory, CCLRC-UK

Education

Oct. 1994 - Jan. 1998: Ph.D. in Physics, at Physics Dept. Univ. of Lecce
1997-1998: Fellowship for short-term mobility to the University of Montpellier 2
Dec. 1993: Laurea in Physics magna cum laude at Università di Lecce

Experiments

KLOE 1992-1997; OPAL 1998-2001; ATLAS 2001-present; PADME 2015-present

Affiliations

Apr. 2001 - present: incaricato di ricerca INFN, Lecce Unit

Scientific responsibilities and services

March 2018 - present: Member of the ATLAS Publication Committee
March 2017 - present: Representative of INFN research personnel of the INFN Lecce
June 2016 - present: Chair of the PADME Publication and Speakers Committee
Oct. 2015-present: Representative of the Muon Spectrometer System in the ATLAS Data Preparation Coordination Group
July 2014-Oct. 2015: Member of the ATLAS Speakers Committee
July 2012 - present: INFN internal referee for the NA62 experiment
July 2011 - July 2015: Lecce representative in INFN Scientific Committee 1
Oct. 2009 - Nov. 2012: Co-coordinator of the ATLAS Muon Spectrometer Offline Software Working Group; Member of Muon Steering Group Member, contact for the Offline Software
Sep. 2007 - Oct. 2009: Co-coordinator of the domain "Detector Description" in the ATLAS Muon Spectrometer Offline Software Working Group
May 2005 - Apr. 2007: Contact for the area "Reconstruction Software" in the ATLAS-Italia Software & Computing Group
1999-2000: On-call responsible for the OPAL end-cap electromagnetic calorimeter

Scientific activity

ATLAS: Membership of various Editorial Boards (EXOT, BPHYS, SM); Physics analysis (early onia production, Z+bb, search for exotic VV resonances); RPC performance with data, RPC simulation and DQ; Muon reconstruction performance measurements with data; Muon Spectrometer offline software (detector description, simulation, event data model, use of detector condition data);

Muon Trigger (muon reconstruction at the EF)

PADME: Construction and operation of the active target in pCVD diamond; simulation studies and offline development

OPAL: Anomalous gauge couplings in di-boson production at LEP2; Two fermion final states, MC generator for high precision predictions; Electromagnetic Calorimeter (end-caps) maintenance and routine calibration, data quality monitor; DAQ software

KLOE: Drift Chamber design, prototyping, calibration and performance measurements in beam test data. The muon g-2: prospects for improving the theory prediction for the hadronic contribution with KLOE at DAΦNE

Phenomenology studies: constraints on new physics effects from precision measurements

Working groups, task forces Member of the review team for the ATLAS Muon Software (2008)
Member of the ATLAS Muon Software Task force implementing the recommendations of the review in 2008 (2009-2010)
Member of the 2-fermion working group of the LEP2 Monte Carlo Workshop 1999/2000.
Member of the LEP Electroweak Working group for the combination of LEP2 limits on anomalous neutral triple gauge couplings

Other duties **Membership of the local organising committees**

The European Schools of High-Energy Physics, Maratea, June-July 2018

QCD@work International Workshop on Quantum Chromodynamics - Theory and Experiment, editions of 2014, 2016, 2018

Seminario Nazionale di Fisica Nucleare e Subnucleare (2013, 2014, 2015), a summer school for PhD and post-docs.

Heavy Quarks and Leptons 2002.

Editor of the proceedings of

Heavy Quarks and Leptons 2002, Frascati Physics Series, ISBN 88-86409-35-4

QCD@Work 2016 <http://www.epj-conferences.org/articles/epjconf/abs/2016/24/contents/contents.html>

Mentoring **Undergraduate Student Advisees**

Isabella Oceano, Master Degree in Physics - 2018

The analysis strategy of the PADME experiment with simulated data in the search for an invisible dark photon

Federica Oliva, Master Degree in Physics - 2016

Performance of a prototype of the PADME active target with beam test data

Cianci Emanuela, Bachelor Degree in Physics - 2015

Fast electronics for a diamond-based radiation detector

Study of the response of CVD diamond detector to ionising radiation

Federica Oliva, Bachelor Degree in Physics - 2012

Study of the response of CVD diamond detector to ionising radiation

Nicola Orlando, Master Degree in Physics - 2010

Measurement of muon reconstruction efficiency at low transverse momentum with early ATLAS data

Phd Student Advisees

Federica Oliva, 2017-present

The PADME experiment - active target and search for the dark photon

Nicola Orlando, 2011-2014, currently postdoc at IFAE in ATLAS; topic: Measurement of b-jets production in association with a Z boson at 7 TeV.

Giovanni Siragusa, for several years young Faculty at Bayerische Julius Max.

Universitaet Wuerzburg, ATLAS group; topic: Implementation and Performance of the Muon High Level Trigger Algorithms in the ATLAS experiment

Claudio Chiri, for several years afterwards post-doc at INFN Sezione di Lecce; topic: Track finding for positrons in the MEG experiment

Post-doc Advisees

Konstantinos Bachas, Oct 2017 - present - INFN Fellowship program on advanced computing for LHC (Innovative AI methods for physics research at LHC)

Konstantinos Bachas, Oct 2015 - Oct 2017 - INFN Fellowship program for foreign researchers (Search for new physics in VV resonances at LHC)

Sergio Grancagnolo, 2005-2006, Muon HLT and physics in ATLAS, now at Humboldt-Universitaet zu Berlin.

Teaching In 2017-18 responsible for the Course of Physics (Fisica Generale I) for bachelor degree students in Biology, at Università del Salento

Since 2015 responsible for the Course of Electricity and Magnetism (Fisica Generale II) for bachelor degree students in Mathematics, at Università del Salento

Since 2004 responsible for the Course of High Energy Physics Laboratory for master degree students in Physics, at Università del Salento

Since 2002 collaboration to various general physics courses for bachelor students in Physics at Università del Salento

Outreach activities Participation to Notte dei ricercatori 2017 and several editions of La Settimana della Cultura Scientifica.

In 2002-2004, member of the Committee for the Physics Degree promotion towards High Schools students and general public at Physics Dept., Università di Lecce (now Unisalento).

Participation to the Masterclass 1999 and 2000 at RAL, CCLRC.