Silvia Leoni CURRICULUM VITAE [last update 6 Aprile 2019]

CONTRACTOR DESCRIPTION

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E-mail	Silvia.Leoni@mi.infn.it	
Work Address	Dipartimento di Fisica, Via Celoria 16, 20133 Milano	
Education	 Laurea (Master) in Physics (1989) – University of Milano, Supervisor: A. Bracco Ph.D. in Physics (1992) – University of Milano, Supervisor: A. Bracco (Thesis: "Study of the Quasi-Continuum Rotational Motion at High Angular Momentum") 	
Current Position	Full Professor at Department of Physics – University of Milano (since 1/10/2017)	
Previous Positions	 Post-Doc position "Angelo della Riccia" 01-03/1993, Niels Bohr Institute (Risø, Denmark) Post-Doc position from INFN 04/1993-04/1994, Niels Bohr Institute (Risø, Denmark) Post-Doc position from CSNSM Orsay 05-09/1994, CSNSM (Orsay, France) Post-Doc Position "Human Capital and Mobility" European Program, 10/1994-05/1996, referents Prof. B. Herskind and Prof. T. Dossing, Niels Bohr Institute (Risø, Denmark) Temporary INFN contract "Articolo 36" 06/1996-06/1998, INFN-Milano Assistant Professor 07/1998-03/2006 – University of Milano Associate Professor – University of Milano, until 30/09/2017 	
Teaching	1998-2003: General Physics II (Electromagnetism): Exercises/Exames (B. Sc. Students)	
Activities	 in Physics) 2000-2005: Specialisation School for Secondary School Teachers (SILSIS) –Lectures 2001-2002: General Physics III (Optics and Waves): Exercises/Exames (B. Sc. Students in Physics) 2005-2010: Nuclei under Extreme Conditions – Lectures (M. Sc. Students in Physics) 2003-present: General Physics – Lectures and Exercises (B. Sc. Students in Biology) 2006-present: Radiation Interaction and detection techniques – Lectures (B. and M. Sc. Students in Physics) 2011-present: Nuclear Structure and Nuclear Reaction – Lectures (Ph.D. Students in Physics) – Inter Universitary course between Milano and Padova University. Supervisor of 4 theses of the Specialisation School for Secondary School Teachers (SILSIS) Supervisor of Bachelor theses in Physics: 16 Supervisor of Master theses in Physics: 27 Supervisor of 6 Ph.D. theses in Physics: (D. Montanari, V. Vandone, S. Bottoni, G. Bocchi, C. Porzio, S. Ziliani) Member of committees for Ph.D. evaluation: 4 in Italy, 2 abroad (Univ. Paris Sud, Oslo) 2005-present: Member of the board of Graduate School in Physics – Milano University Referent Professor for Bilateral Agreements with PHD Schools of Krakow and Bucharest 	
	2017-: responsible for a post-doc position (Assegno A, S. Bottoni) of Milano University	
Research Topics	Experimental Nuclear Physics, in particular gamma and particle spectroscopy, focusing on nuclear structure of stable and exotic nuclei: collective modes of excitations (rotation and vibration), couplings phenomena, coexistence of shapes, structure of light systems. The experiments are carried out with multidetectors arrays of germanium, scintillator, charged particle detectors, and spectrometers, at the forefront of technologies, at National and International Laboratories. Reactions with stable and radioactive beams are employed, up to relativistic energies, and intense neutron beams. Central topic, in coming years, will be the physics of exotic nuclei (I am spokesperson of Letters of Intent for future experiments with new generation, high-intensity, radioactive beams and state-of-the-art detection systems, at ISOLDE-CERN, SPES-LNL, SPIRAL-GANIL).	

Experience in Managing	2005-2013: Local Responsible (Milano INFN section) of GAMMA experiment - INFN Scientific Committee III (Nuclear Physics)
Research Funds	2014-present: National Responsible of GAMMA experiment - INFN Scientific Committee III
Participation in	1999-2003: Member of Data Analysis Group of the European TMR-EUROBALL project
Scientific	2004-přesěřít: Member of Steering Committee of EXOGAM Ge Array – GANIL (France)
Collaboration Committees	2012-present: Member of the PARIS Management Board (Coordinator of DATA Analysis Working Group - analysis of complex data with modular scintillor array)
	2016-present: Member of the NUSPIN Scientific Committee (ENSAR2 European Nuclear Spectroscopy Instrumentation Network)
	2014-present: Core-Team Member of the EXILL collaboration (Gamma Spectroscopy with neutron induced reactions) at Institut Laue-Langevin (ILL) – Grenoble (France)
	2018-present: Core-Team Member of the FIPPS collaboration (Gamma Spectroscopy with neutron induced reactions) at Institut Laue-Langevin (ILL) – Grenoble (France)
Participation in Laboratory	2016-present: Member of the Program Advisory Committee (PAC) of the Tandem Laboratory the Horia Hulubei National Institute of Physics in Bucharest (Romania)
Scientific Committees	Since February 2017: Member of the Program Advisory Committee (PAC) of College 3 "Nuclear and particle physics" of the Interdisciplinary Laboratory of Institut Laue-Langevin (ILL) – Grenoble (France)
Evaluation activity in International	Chair of the INFN Committee for the designation of the Award "Claudio Villi 2008" for the best Doctoral thesis in Nuclear Physics
Review Committees	Member of committees for selection and promotion of personnel of Italian Universities (1 RTDA in 2014 and 1 RTDB in 2016, Padova University)
	Member of the committee for promotion of personnel of Istituto Italiano Fisica Nucleare (Concorso I Ricercatore n. 20016, October 18-February 19)
	 Evaluator for Italian Ministry for Education and Research (MIUR) projects Evaluator for Croatian Science Foundation (HRZZ) Projects (2014) Evaluator for Science and Technology Facilities Council (STFC), UK (2011 and 2014) Evaluator for Czech Republic Ministery of Education projects (2017) Member of the Review Committee for the FIPPS phase II Project, ILL, Grenoble (2017)
Review Activity for	Referee for several international journals:
Scientific Journals	Physical Review Letters
	Physical Review CNuclear Physica A
	European Physical Journal A
	Journal of Physics J
	Acta Physica Polonica
	Journal of Environmental Radiocativity
Consultant Activity	Reviewer of Scientific Text Books for University Courses • Editor Zanichelli: Physics (Cutnell, Johnson, 2009) and University Physics (Kesten, 2012))
Activity in	Convener of working group "Collective Modes in the continuum", editing the Report
Writing Groups	"Future Prospects for high resolution gamma spectroscopy at GANIL", GANIL 2005
for Research Plans	Member of Working Group 3 (Nuclear Structure and Reaction Dynamics) of NUPECC Long Range Plane 2016. Written contributions for subgroups 1 (Nuclear Structure), 3 (Equation of state) and 5 (Facilities and Instrumentation).
	Convener of the AGATA white paper – AGATA@LNL physics case (June 2019).
Activity for Conferences	Workshop "Future Prospects for high resolution gamma spectroscopy at GANIL", Convener of working group "Collective Modes in the continuum" – GANIL 2005
and Workshops	Organizer of EXOGAM Workshop – GANIL 2010

	Local Organizer of International Nuclear Physics Conference INPC2013 – Florence 2013
	Local Organizer of EUNPC18 – Bologna 2018
	Local Organizer NUSTAR Week 2018 - Milano, Settembre 2018
	Organizer of the Workshop AGATA@LNL for stable beams – LNL, 25-26 March 2019
Publications	 Organizer of "1st Topical Workshop - Modern Aspects in Nuclear Structure" – Bormio 2012 Organizer of "2nd Topical Workshop - Modern Aspects in Nuclear Structure" – Bormio 2014 Organizer of "3nd Topical Workshop - Modern Aspects in Nuclear Structure" – Bormio 2016 Organizer of "4th Topical Workshop - Modern Aspects in Nuclear Structure" – Bormio 2018 Organizer of "5th Topical Workshop - Modern Aspects in Nuclear Structure" – Bormio 2020 Source: ISI Web of Science, 6th April 2019
(1990 -present)	Coauthor of more than 300 research papers
	Citations in Total: more than 4000 Citations (without self-citing): more than 3000
	Average citation per paper: 14
	Hirsch-index: 33
	In particular:
	 Coauthor of more than 180 research papers in peer-reviewed scientific journals, including 23 Physical Review Letters (4 as first author, with one Editor's Suggestion) 19 Physics Letters B (with one selected as Highlight of ILL Laboratory) 54 Physical Review C 1 Physics Report (1996) – invited Review 1 Report on Progress in Physics (2002) – invited Review 1 Progress in Particle and Nuclear Physics (2016) – invited Review 1 Physica Scripta (2016) – invited Review
	Coauthor of 77 Post-Conference papers published in peer-reviewed journals (several in special volumes of scientific journals)
	Coauthor of 59 papers in Conference Proceeding volumes
Presentations at International Conferences	63 Invited talks at international conferences and workshops, including – plenary talk at Nucleus-Nucleus 2015, Catania 2015 – plenary talk at EUNPC15, Groningen 2015 – invited review at the Spanish Scientific Advisory Board- Nuclear and Particle Physics (VIII CPAN DAYS), Zaragoza-Spain, 2016 – keynote speaker at the ILL&ESS European User Meeting, Grenoble 2018
	45 contributed talks at international conferences and workshops
	11 Lectures at International Schools and Seminars at Universities and Laboratories, including - invited review on EXILL campaign at ILL Director Board, Grenoble 2015