CURRICULUM VITAE TM

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Birth date	[redacted]
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Marital status	
ResearcherID	**A-8545-2012**

1. WORK EXPERIENCE

Since Nov 2017	**Researcher at INFN Legnaro National Laboratories**
OCT 2015 – Oct 2017	**Post-doc at IKS KU Leuven (Belgium).** **European Commission, Marie Skłodowska-Curie Individual Fellowship (IF) MagicTin project [661777] (Jan 2016 – Dec 2017). Two years project.** *Study of nuclear shell evolution in the neutron rich Sn isotopes with an ACTIVE TARGET. Development of an ACTIVE target to be used at the SPES facility.* (http://cordis.europa.eu/search/result_en?q=MagicTin) **FWO post-doctoral fellowship (Oct 2015 – Oct 2018). Three years project.** (http://www.fwo.be/en/fellowships-funding/postdoctoral-fellowships/) *In the overlapping period, the FWO grant is suspended in favor of the European one.*
JAN 2014 – OCT 2015	**INFN Post doc Senior Research Fellowship, Legnaro National Laboratories. (Assegno di ricerca senior, bando INFN n. 15793/13),** *Neutron innovative detectors with applications to the SPES project.*
JAN 2013 – Dec 2013	**INFN Post doc Research Fellowship, Legnaro National Laboratories. (Assegno di ricerca, bando INFN n. 15284/12)** *Integration of the acquisition system and data analysis cores of GARFIELD apparatus to perform international activities at TANDEM-ALPI accelerators.*
JAN 2010 – DEC 2012	**Padua University, PhD school in Physics - PhD Fellowship** **INFN association at Legnaro National Laboratories**
OCT 2009 – JAN 2010	**INFN Graduate fellowship, Legnaro National Laboratories** **(Bando INFN n. 13144/09, primo classificato in graduatoria)**
SEPT 2008 – OCT 2009	**INFN Undergraduate fellowship, Legnaro National Laboratories.** **(Bando INFN n. 12654/08)**

1.1 Research Activity

since 2016

AIPAC8Be

Spokesperson of an approved experiment at AN2000 facility (LNL)
for the measurement of electron-positron angular correlations in 8Be decay.
This experiment aims at providing an independent test of the results published in [Phys Rev Lett 116 042501 (2016)] where the observation of a new neutral particle is claimed (and linked to the existence of unknown forces in Nature).

since 2013

ACTAR Collaboration: Presently my main activity, carried on within the EU-MSCA-IF and FWO funded projects.
-Coordinator of WP 4 (ancillary detectors) for the "*Gas-filled Detectors and Systems*" **ENSAR2 GDS network.**
-Co-spokesperson of the LOI for SPES: Shell structure in the vicinity of ^{132}Sn with an active target.
-Spokesperson of a Letter Of Intent to the GANIL PAC for testing the ACTAR demonstrator with heavy ion beams (^{136}Xe (d,p))
-P.I. of the ATS (Active Target for SPES) project for the SIR2014 call.
The project was admitted to the second stage of selection getting an evaluation of 29/30.
-International Reference for ATS at SPES

since 2013

TAPE STATION for SPES
Coordinator of the TS working group within the WPB01 (Scientific Support) of the SPES project.
The activity consists in the design and construction of a slow tape station to be used for beam diagnostic for the SPES facility.
Duties:
- Project coordination and design of the global setup.
- Management of the collaboration between LNL, iThemba lab (South Africa) and IPN Orsay (France)
- Detectors and acquisition system setup.

since 2011

NUCLEAR STRUCTURE
Evolution of nuclear shells far from stability. In beam gamma-ray spectroscopy with radioactive ion beams at fragmentation facilities.
[31, 35].
Duties:
-In charge for the analysis of ^{74}Ni Coulomb excitation experiment (e09031 – MSU) **[31] – PhD thesis.**
-In charge for the analysis of $^{68, 70, 72}$Ni inelastic proton scattering experiment (e12016 – MSU) **[in progress]**
-Co-spokesperson of 2013 Eurica campaign at RIKEN ("*Structural Changes between N=40 and N=50 next to Ni isotopes: a joint proposal*")

since 2008

REACTION DYNAMICS
Member of the NUCLEX-FAZIA Collaboration (INFN CSN3)
that studies reaction mechanisms at low and intermediate energies and develops state of the art arrays for charged particles detection.
[1,4,7,9,10,11,12,14,15,17,18,19,20,21,22,23,24,25,32,33,36,38,39]
My research activity focuses on fast processes in fusion-evaporation reactions and their connection with clustering effects. On this topic I have recently submitted a review invited article for a special issue of the International Journal of Modern Physics E (IJMP) dedicated to a discussion of the current

status and new developments in nuclear correlations and nuclear cluster physics.
Duties:
-Person in charge for the GARFIELD apparatus (2010-2015) **[19]**:

1. TPC detector maintenance and upgrade
2. acquisition and ancillary software maintenance and development
3. experiment preparation
4. data storage and reduction

-Spokesperson of the LOI submitted to the SPES SAC for studying pre-equilibrium emission with exotic nuclei (2014)
-Spokesperson of the ACLUST2 experiment to study $^{16}O+^{30}Si$, $^{18}O+^{28}Si$, $^{19}F+^{27}Al$ reactions at 7 AMeV. The data collected are now subject of a PhD thesis at Padua University.
-Analysis of ACLUST experiment ($^{16}O+^{65}Cu$, $^{19}F+^{62}Ni$ @ 16 MeV) studying light particles pre-equilibrium emission and clustering in medium mass systems.
-Developer of the digital acquisition system for the RIPEN apparatus (24 neutron detectors +2 corset arms) based on commercial digitizing boards.
-Developer of one on-line data monitor and shapes processor for the FAZIA Demonstrator.
-Developer of the FAZIA electronic logbook.

2012 - 2013

ASTRO25MG Co-spokesperson
Neutron emission cross section measurement for astrophysical purpose: *$^{25}Mg(\alpha,n)^{28}Si$ study at stellar energies with the CN accelerator at LNL.* **[29]**
Duties:
-Implementation of the complete digital acquisition system and data monitor (10 neutron detectors +2 silicon detectors+ 2 $LaBr_3$ scintillators)
-Data presorting – parallel software for off line pulse shape analysis.

2011 - 2012

BETABEAMS
Neutron emission cross section measurement for the EuroNu collaboration: Reaction studied: $^{6}Li(^{3}He,n)^{8}B$ **[16,26]. Duties:**
-Implementation of the digital acquisition system and data monitor (8 neutron detectors + 2 silicon detectors)
-Data presorting – off line pulse shape analysis.

SINCE 2008

ORIONE – HYDE Collaboration (INFN CSN5)
Development of new neutron detectors.
Development and characterization of new scintillating materials based on polysiloxane siliconic rubbers. Light collection using PMT, SiPM and APD photodetectors. Coupling of the scintillating material with 3D silicon detectors. **Duties:**
-Light yield and detector response measurement with radioactive sources. -Material characterization using IBA techniques. [1,2,3,5]
-Study of the light output timing properties for neutron/gamma pulse shape discrimination purposes.
-In charge of several neutron response measurement using radioactive sources and beam-induced neutron fluxes. Co-Spokesperson and Spokesperson of two experiments at the CN facility LNL (2015,2016) [6,8,13,27,28,30,34,37]

1.2 TEACHING

Spring 2017	**KU Leuven, Physics department – Assistant.** *Introductory Nuclear Physics. Assistant for the exercise sessions.*
Spring 2016	**KU Leuven, Physics department – Assistant.** *Introductory Nuclear Physics. Assistant for the exercise sessions.*
Fall 2015	**Padua University, Physics and department – Tutor.** *Advanced Physics Laboratory for Master degree in Physics (B).*
Spring 2015	**Padua University, Physics department – Tutor.** *Advanced Physics Laboratory for Master degree in Physics (A).*
Fall 2014	**Padua University, Physics department – Lecturer.** *Electromagnetism course for Optics curricula students.*
Fall 2013	**Padua University, Physics department – Lecturer.** *Electromagnetism course for Optics curricula students.*
Sept 2010	**Padua University, Veterinary Medicine department - Lecturer** *Mathematics and Physics introductory course.*
May 2010	**Padua University, Physics department - Tutor.** *Laboratory Course of Electronics for Physics students.*

June 2015	**Legnaro National Laboratory Stage For High School Students - Tutor.** *WP: "Particles detection and identification using eco-friendly scintillators".*
June 2014	**Legnaro National Laboratory Stage For High School Students - Tutor.** *WP: "Particles detection and identification using eco-friendly scintillators".*
June 2013	**Legnaro National Laboratory Stage For High School Students - Tutor.** *WP: "Particles detection and identification using eco-friendly scintillators".*
June 2012	**Legnaro National Laboratory Stage For High School Students - Tutor.** *WP: "Synthesis and characterization of scintillating materials for radiation detection".*
July 2011	**Legnaro National Laboratory Stage For High School Students - Tutor.** *WP: "Study of scintillation detectors for medical diagnostic, environmental monitoring andnuclear physics experiments".*
July 2010	**Legnaro National Laboratory Stage For High School Students - Tutor.** *WP: "Study of scintillation detectors for medical diagnostic, environmental monitoring and nuclear physics experiments".*
July 2009	**Legnaro National Laboratory Stage For High School Students - Tutor.** *WP: "Study of scintillation detectors for medical diagnostic, environmental monitoring andnuclear physics experiments"*

1.3 Student's Supervision

June 2016	**Co-supervisor** **KU Leuven, Physics department, Master Thesis of Charlotte Wouters** *Searching for α-cluster states in ^{12}C using the ACTAR TPC Demonstrator.*
June 2015	**Co-supervisor** **University of Naples Federico II, Master Thesis of Magda Cicerchia** *Clusters vs Pre-equilibrium: a comparative study through the reactions $^{16}O+^{65}Cu$ and $^{19}F+^{62}Ni$*
March 2015	**Co-supervisor** **Bologna University, Bachelor Thesis of Lorenzo Piccolo** *Optimization of organic scintillators for the detection of thermal neutrons*
September 2014	**Co-supervisor** **Padua University, Bachelor Thesis of Tommaso Boschi** *Characterization of Silicon Photomultiplier response to charged particles*
April 2014	**Co-supervisor**

	Padua University, Master Thesis of Caterina Checchia
	Plolysiloxane based neutron scintillators and Silicon Photomultipliers readout.
March 2014	**Co-supervisor**
	Bologna University, Bachelor Thesis of Fabrizio Alfonsi
	Moving source fit for pre-equilibrium emission in nuclear collisions.
March 2014	**Co-supervisor**
	Bologna University, Bachelor Thesis of Catalin Frosin
	Digital analysis techniques for neutron detector signals.
2012	**Co-supervisor**
	Bologna University, Bachelor Thesis of Alessandro Mazza
	CsI(Tl) scintillation detectors preparation for Nuclear Physics purposes.

1.4 PUBLIC ENGAGEMENT AND SCIENCE DISSEMINATION

Since 2014	**Engaged in dissemination activities (editor of LNL website, editor for the update of LNL posters) in collaboration with LNL direction.**
Sept 2015	**Veneto Night. (European Researchers' Night). INFN LNL stand in Padua.**
Aug 2015	**Co-author of the NUSMES project for the involvement of high school students in science dissemination. The project is under evaluation by the Italian ministry of Education.**
Sept 2013	**Veneto Night. (European Researchers' Night). INFN LNL stand in Padua.**
2010 - 2014	**LNL Guide for external visitors**

2. EDUCATION

2.1 ACADEMIC

2010 - 2013

University of Padua, Physics department.

Phd in Physics (18/04/2013)

Thesis Title: "Nuclear structure evolution far from stability: study of ^{74}Ni collectivity by Coulomb excitation"

Supervisor: prof. G. Montagnoli (Padua University)

2007 - 2009

Bologna University, Physics Department.

Five Year Diploma in Physics (20/03/2009)

Final grade: 110/110 cum laude

Thesis Title: "Neutron detection in nuclear physics experiments. Study and characterization of new scintillating materials".

Supervisor: prof. Mauro Bruno (Bologna University)

2003 - 2006

Bologna University, Physics Department.

Three Year Diploma in Physics. (15/12/2006)

Final grade: 110/110 cum laude

Thesis Title: "Scintillation Detectors for Nuclear Physics Experiments"

Supervisor: Prof. Mauro Bruno (Bologna University)

1998 - 2003

Liceo Scientifico Statale "Niccolò Copernico",

Bologna (Italy) Scientific High School Degree

Final grade: 98/100

2.2 SCHOOLS

12 - 24 JUL 2015

TRIUMF Summer Institute, Theories for exploring experiments in light and medium-mass nuclei.

TRIUMF, VANCOUVER (BC, CANADA)

8 - 11 NOV 2011

First SPES school on experimental techniques with radioactive beams

CATANIA (IT)

4 -8 OCT 2010

1st FLUKA advanced course and Workshop

ERICEIRA (P)

2 - 6 AUG 2010

Exotic Beam Summer School

OAK RIDGE NATIONAL LABORATORY – OAK RIDGE (TN, USA)

19 -24 JUL 2010

International Physics School "Enrico Fermi": From the Big Bang to the Nucleosynthesis

VARENNA, COMO (IT)

3. Scientific Production

3.1 Coordination of scientific activities / Responsabilities

2017 -	**Co-spokesperson of the NUCLEX Collaboration INFN – CSN3**
2017	**Co-chair of the first GDS topical meeting (GDS-ENSAR2)** https://agenda.infn.it/conferenceDisplay.py?confId=12079
2016	**Member of the Organizing Committee of the:** "V Seminarion Nazionale Rivelatori Innovativi" https://agenda.infn.it/conferenceDisplay.py?confId=11097
2015/2016	**Organizer of two BriX workshops and editor of the BriX wiki page.** (BriX is the Belgian Network for exotic nuclei) https://iks32.fys.kuleuven.be/wiki/brix/index.php5/Main_Page https://iks32.fys.kuleuven.be/indico/event/40/
2016 -	**Member of the Legnaro National Laboratories User Board** http://www.lnl.infn.it/index.php/it/usergrouphome
2014 -	**ENSAR2 – Network activity: GDS. Coordinator of WP4 (ancillary detectors)** http://igfae.usc.es/gds/
2014	**Promoter and organizer of the INFN course on Digital Electronics at LNL** http://www.lnl.infn.it/~garfweb/e_digit/
2013 -	**Coordinator of the TAPE station for SPES working group within WP B.01** (scientific support).
2012 -	Spokesperson and co-spokesperson of experiments at LNL TANDEM-ALPI, LNL CN, GANIL and RIKEN facilities.

3.2 Contributions to Conferences and Workshops

23 Oct 2017	**XII Latin-American Symposium on Nuclear Physics and Applications Cuba (La Havana - Cuba)** **T. Marchi,** *Exploring the shell structure of exotic Sn isotopes with an Active Target at SPES: the MagicTin project* - ***INVITED TALK***
18 Oct 2017	**XX Colloque GANIL (Amboise – FR)** **T. Marchi,** *Reaction dynamics and exotic systems: a focus on fast processes* - ***INVITED TALK***
14 Sept 2017	**103° Congresso Nazionale della Società Italiana di Fisica (Trento - IT)** **T. Marchi,** *SPES, a "broadband" facility* - ***INVITED TALK***
15 May 2017	**ISTROS conference (Častá-Papiernička, Slovak Republic)** **T. Marchi,** *Direct reactions, shell evolution and Active Targets: the MagicTin project* - ***INVITED TALK***
20 Oct 2016	**EURISOL DF 2016 (Leuven, BE)** **T. Marchi,** *Measuring direct reactions with an active target for Z≥50 nuclei: the MagicTin project* - ***TALK***

9 Aug 2016	**Workshop on Software for Time Projection Chambers for Nuclear Physics Experiments (FRIB, MSU, Michigan – USA)** **T. Marchi,** *The SpecMAT project: status and perspectives* – ***TALK***
14 July 2016	**DREB 2016 (Halifax – CA)** **T. Marchi**, *Coupling gamma-ray detection to an active target in a high magnetic field: the SpecMAT project for direct reaction studies.* – ***TALK***
21 June 2016	**INFN CSN3 meeting – SPES special session. LNL – IT** **T. Marchi,** *Reaction mechanisms at SPEs: summary of INFN activities and instrumentation.* ***– Summary Report to INFN CSN3***
9-10 May 2016	**BriX workshop, SCK·CEN (Mol – B)** **T. Marchi,** *The SPES project at LNL* **– TALK**
26-29 Apr 2016	**Joint LIA COLL-AGAIN, COPIGAL, and POLITA Workshop (Catania – IT)** **T. Marchi,** *ATS: the Active target for SPES* – ***INVITED TALK***
18-20 Nov 2015	**ACTAR WORKSHOP (GANIL, CAEN – FR)** **T. Marchi,** *Physics opportunities with an active target in Italy* – ***INVITED TALK***
23 -26 Giu 2014	**EGAN 2015 WORKSHOP (GSI, DARMSTADT - D)** **T. Marchi,** *Experimental studies on neutron rich Ni isotopes* **– *INVITED TALK***
26 -28 May 2014	**Second SPES International Workshop (LNL – IT)** **T. Marchi,** *Preequilibrium emission: a tool to study dynamic effects and clustering structure in exotic nuclei* – ***LETTER OF INTENT***
12 - 16 May 2014	**11th International Spring Seminar On Nuclear Physics (Ischia - IT)** **T. Marchi,** *Shell evolution in exotic Nickel isotopes.* - ***TALK***
6 - 9 May 2014	**International Workshop On Multi Facets Of Eos And Clustering IWM-EC 2014 (Catania - IT)** **T. Marchi,** *Pre-equilibrium emission and its possible relation to α-clustering in nuclei* - ***TALK***
19 - 22 Feb 2014	**2nd Topical Workshop On Modern Aspects In Nuclear Structure (Bormio – IT)** **T. Marchi,** *Shell Evolution in exotic Ni isotopes* **- TALK**
7 - 10 Jan 2014	**First Joint Lea-Colliga-Copigal Workshop (Paris - FR)** **T. Marchi,** *Quadrupole collectivity in neutron rich Ni isotopes: intermediate energy Coulomb excitation of ^{74}Ni* - **TALK**
8 - 9 Oct 2013	**SPES One Day Workshop: Isospin On Reaction Mechanism With Ribs (LNS - Catania, It)** **T. Marchi,** *Pre-equilibrium emission: a tool to study dynamic effects and clustering structure in exotic nuclei* - **TALK**
2 - 7 Jun 2013	**International Nuclear Physics Conference 2013 (Firenze – IT)** **T. Marchi,** *Evolution of collectivity in the ^{78}Ni region: Coulomb excitation of ^{74}Ni at intermediate energies.* - **TALK**
8 - 12 Apr 2013	**Heavy Ion Accelerator Symposium 2013 (Canberra – Australia)** **T. Marchi,** *Probing core polarization around ^{78}Ni: intermediate energy Coulomb excitation of ^{74}Ni* **– TALK**

11 - 15 Jun 2012	**13th International Conference On Nuclear Reaction Mechanisms (Varenna - LC, IT)** **T. Marchi,** *^{8}B production measurement at LNL* **- TALK**
20-25 May 2012	**EURORIB 2012 (Abano Terme – Padova, IT)** **T. Marchi,** *Study of ^{74}Ni collectivity by Coulomb excitation* **- POSTER**
14 - 16 Nov 2011	**5th Lea-Colliga Meeting, (Orsay, FR)** **T. Marchi,** *Upgrading the RIPEN apparatus with Digital Electronics.* **- TALK**
8 - 11 Nov 2011	**First Spes School On Experimental Techniques With Radioactive Beams (LNS - Catania, IT)** **T. Marchi: STUDENT'S PRESENTATION** *Upgrading the RIPEN apparatus with digital electronics in perspective of the SPES radioactive beams.* **- TALK**
26 - 29 Oct 2011	**FALL MEETING OF THE AMERICAN PHYSICAL SOCIETY (EAST LANSING – MI, USA)** **T. Marchi,** *Digital Electronics Equipment for the RIPEN apparatus.* **- TALK**
24 Sept 2010	**CONGRESSO NAZIONALE SIF (BOLOGNA, IT)** **T. Marchi,** *Organic scintillators for neutrons: characterization of new scintillating silicon rubbers and light yield measurement.* **- TALK**
30 Mar - 1 Apr 2009	**EURISOL PISA TOWN MEETING (PISA, IT)** **T. Marchi**, *Organic scintillators for neutrons: production and characterization of detectors of interest for SPES, SPIRAL2, EURISOL.* **- POSTER**

3.3 Publications on Refereed Journals

Author or Co-Author of:

- **42 Refereed articles on International Scientific Journals**
- **46 Conference proceedings (part on Journals with referee)**
- **58 Reports**

3.3.1 Articles on Refereed Journals (selected)

[42]	**S. Piantelli, ..., T. Marchi, et al** *Isospin diffusion in binary collisions of ^{32}S+^{40,48}Ca and ^{32}S+^{48}Ti at 17.7 MeV/nucleon* **Physical Review C, 96 (2017) 034622**
[40][41]	**BOOK: Nuclear Particle Correlations and Cluster Physics, WORLD SCIENTIFIC (2017)** **Chapter 10: L.Morelli, .. , T. Marchi, et al,** *Particle-particle correlations: a tool for investigating excited states and clustering effects in the decay of excited nuclei* **Chapter 20: T. Marchi et al,** *Using fast processes to investigate cluster states and nuclear correlations in medium-heavy nuclei: specific tools and new opportunities with Radioactive Ion Beams.*
[39]	**F. Salomon, ..., T.Marchi et al,** *Front-end electronics for the FAZIA experiment*

Journal Of Instrumentation, 11 (2016) C01064

[38] **S. Valdrè, …, T.Marchi et al,**
Charged particle decay of hot and rotating ^{88}Mo nuclei in fusion-evaporation reactions
Physical Review C, 93 (2016) 034617

[37] **A. Giaz, …, T.Marchi et al,**
Fast neutron measurements with ^{7}Li and ^{6}Li enriched CLYC scintillators.
Nucl Insrtr and Meth A, 825 (2016) 51.

[36] **L. Morelli, …, T.Marchi et al,**
The ^{12}C Hoyle state in the inelastic ^{12}C + ^{12}C reaction and in ^{24}Mg* decay.*
Journal of Physics G, 43 (2016) 045110.

[35] **T. Braunroth, …, T.Marchi et al,** *Reduced transition strengths of low-lying yrast states in Chromium isotopes in the vicinity of N=40.*
Physical Review C, 92 (2015) 034306.

[34] **M. Dalla Palma, …, T. Marchi, et al**
Non-toxic liquid scintillators with high light output based on phenyl-substituted siloxanes
Optical materials, 42 (2015) 111

[33] **M. Ciemala, …, T.Marchi et al,** *Giant dipole resonance built on hot rotating nuclei produced during evaporation of light particles from the ^{88}Mo compound nucleus.*
Physical Review C, 91 (2015) 054313

[32] **A.J. Kordyasz, …, T.Marchi et al,**
Low-temperature technique of thin silicon ion implanted epitaxial detectors.
European Physical Journal A, 51 (2015) 15

[31] **T. Marchi (1st author) et al,**
Quadrupole transition strength in the ^{74}Ni nucleus and core polarization effects in the neutron-rich Ni isotopes.
Physical Review Letters, 113 (2014) 182501.

[30] **S. M. Carturan, T. Marchi et al,**
Scintillator and solid-state neutron detectors and their applications.
European Physical Journal Plus, 129 (2014) 212.

[29] **A. Caciolli, T. Marchi et al,**
A new study of ^{25}Mg(α,n)^{28}Si angular distributions at E=3-5MeV.
European Physical Journal A, 50 (2014) 147

[28] **R. Mendicino, …, T.Marchi et al,**
Novel 3D silicon sensors for neutron detection
Journal of Instrumentation, 9 (2014) C05001.

[27] **M. Dalla Palma, …, T.Marchi et al,**
Red emitting phenyl-polysiloxane based scintillators for neutron detection.
IEEE Transactions on Nuclear Science, 61, 4 (2014) 2052.

[26] **E. Wildner, …, T.Marchi et al,**
Design of a neutrino source based on beta beams.
Physical Review Special Topics-Accelerators and Beams, 17 (2014) 071002.

[25] **A. Giaz, …, T.Marchi et al,**
Measurement of Dynamical Dipole gamma-ray emission in N/Z asymmetric fusion reactions ^{16}O+^{116}Sn at 12 MeV/A.
Physical Review C, 90(2014) 014609

[24] **G. Pasquali, …, T.Marchi et al,**
Energy measurement and fragment identification using digital signals from partially depleted Si detectors.
European Physical Journal A, 50 (2014) 86

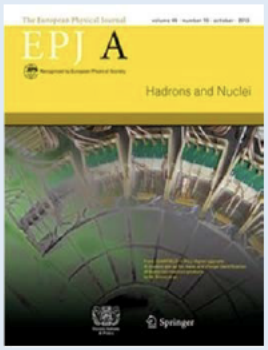
[23] **L. Morelli, …, T.Marchi et al,**
Thermal properties of light nuclei from $^{12}C+^{12}C$ fusion–evaporation reactions.
Journal of Physics G, 41 (2014) 075107

[22] **L. Morelli, …, T.Marchi et al,**
Non-statistical decay and α-correlations in the $^{12}C+^{12}C$ fusion–evaporation reaction at 95 MeV.
Journal of Physics G, 41 (2014) 075108

[21] **R. Bougault, …, T.Marchi et al,**
The FAZIA project in Europe: R&D phase.
European Physical Journal A, 50 (2014) 47

[20] **S. Piantelli, …, T.Marchi et al,**
N and Z odd-even staggering in Kr plus Sn collisions at Fermi energies.
Physical Review C, 88 (2013) 64607

[19] **M. Bruno, F. Gramegna, T.Marchi et al,**
GARFIELD plus RCo digital upgrade: A modern set-up for mass and charge identification of heavy-ion reaction products.
European Physical Journal A, 49 (2013) 128



EPJ A Cover – Oct 2013

[18] **G. Baiocco, …, T.Marchi et al,**
α-clustering effects in dissipative 12C + 12C reactions at 95 MeV
Physical Review C, 87 (2013) 054614

[17] **S. Barlini, …, T.Marchi et al,**
Isospin transport in $^{84}Kr+^{112,124}Sn$ collisions at Fermi energies
Physical Review C, 87 (2013) 054607

[16] **T. R. Edgecock et al.** (BETABEAMS collaboration)
High intensity neutrino oscillation facilities in Europe
Physical Review Special Topics, Accelerators and beams, 16 (2013) 021002

[15] **S. Barlini, …, T.Marchi et al,**
Effects of irradiation of energetic heavy ions on digital pulse shape analysis with silicon detectors
Nuclear Instruments and Methods in Physics Research A, 707 (2013) 89

[14] **N. LeNeindre, …, T.Marchi et al,**
Comparison of charged particle identification using pulse shape discrimination and ΔE_E methods between front and rear side injection in silicon detectors.
Nuclear Instruments and Methods in Physics Research A, 701 (2013) 145

[13] **A. Quaranta, …, T.Marchi et al,**
Characterization of polysiloxane organic scintillators produced with different phenyl

containing blends
Materials Chemistry and Physics, 137 (2013) 951

[12] **G. Pasquali, …, T.Marchi et al,**
A single-chip telescope for heavy-ion identification
European Physical Journal A, 48 (2012) 158

[11] **M. O. Fregeau, …, T.Marchi et al,**
X-Ray Fluorescence from the Element with Atomic Number Z = 120.
Physical Review Letters, 108 (2012) 122701

[10] **S. Carboni, …, T.Marchi et al,**
Particle identification using the ΔE-E technique and pulse shape discrimination with the silicon detectors of the FAZIA project.
Nuclear Instruments and Methods in Physics Research A, 664 (2012) 251

[9] **A. Corsi, …, T.Marchi et al,**
Measurement of isospin mixing at a finite temperature in ^{80}Zr via giant dipole resonance decay.
Physical Review C, 84 (2011) 041304 (R)

[8] **S. Carturan, A.Quaranta, T. Marchi et al,**
Novel Polisiloxane-based scintillators for neutron detection.
Radiation Protection Dosimetry, 143, 2–4 (2011) 471

[7] **M. D'Agostino, …, T.Marchi et al,**
Reaction mechanisms and staggering in S + Ni collisions.
Nuclear Physics A, 861, 1 (2011) 47

[6] **A. Quaranta, S. Carturan, T. Marchi et al,**
Doped polysiloxane scintillators for thermal neutrons detection.
Journal of Non-Crystalline Solids, 357, 8-9 (2011) 1921

[5] **A. Quaranta, S. Carturan, T. Marchi et al,**
Radiation hardness of polysiloxane scintillators analyzed by Ion Beam Induced Luminescence.
Nucl Instr and Meth B, 268, 19 (2010) 3155

[4] **L. Morelli, …, T. Marchi, et al,**
Automatic procedure for mass and charge identification of light isotopes detected in CsI(Tl) of the GARFIELD apparatus.
Nucl Instr and Meth A, 620, 2-3 (2010) 305

[3] **A. Quaranta, S. Carturan, T. Marchi et al,**
Doping of polysiloxane rubbers for the production of organic scintillators.
Optical Materials, 32, 10 (2010) 1317

[2] **A. Quaranta, S. Carturan, T. Marchi et al,**
Optical and Scintillation Properties Of Polydimethyl-diphenylsiloxane Based Organic Scintillators.
IEEE Transactions on Nuclear Science, 57, 2 (2010) 891

[1] **N. Grassi, G. Casini, M. Frosini, G. Tobia, T. Marchi,**
PIXE characterization of CsI(Tl) scintillators used for particle detection in nuclear reactions.
Nuclear Instruments and Methods in Physics Research B, 266 (2008) 2383

3.3.2 Referred Conference Proceedings (selected)

[CP4] **IWM-EC 2014 - International Workshop On Multi Facets Of Eos And Clustering**
T. Marchi et al, Pre-equilibrium emission and its possible relation to alpha-clustering in nuclei
EPJ WEB OF CONFERENCE 88 (2015) 00016

[CP3] **International Nuclear Physics Conference 2013**
T. Marchi et al, Evolution of collectivity in the ^{78}Ni region: Coulomb excitation of ^{74}Ni at intermediate energies.
EPJ Web of Conferences 66 (2014) 02066

[CP2] **Heavy Ion Accelerator Symposium 2013**
T. Marchi et al, Probing core polarization around ^{78}Ni: intermediate energy Coulomb excitation of ^{74}Ni.
EPJ Web of Conferences 63 (2013) 01021

[CP1] **13th International Conference On Nuclear Reaction Mechanisms**
T. Marchi et al, ^{8}B production measurement at LNL
CERN Proceedings 2012-002

3.3.3 Reports (selected)

[RP4] ***T. Marchi et al.,*** *Digital Electronics Equipment for the RIPEN Apparatus,*
LNL annual report 2011*, www.lnl.infn.it*

[RP3] ***T. Marchi et al.,*** *Large Scale Production of Siloxane-Based Scintillators for Neutron Detection,*
LNL annual report 2010*, www.lnl.infn.it*

[RP2] ***T. Marchi et al.,*** *First Tests with Digital Electronics for the RIPEN Apparatus,* ***LNL annual report 2010****, www.lnl.infn.it*

[RP1] ***T. Marchi et al.,*** *Analysis of the spectral response of CsI(Tl) scintillators for particle and fragment detection in nuclear reactions,*
LNL annual report 2006*, www.lnl.infn.it*

3.4 Referral Activity

Referee *European Physical Journal (EPJ) - Web Of Conferences*
Referee *Acta Physica Polonica*
Referee *Europhysics Letters (EPL) – IOP Science*
Reader *Master thesis at KU Leuven*
Panels *Jury member for Bachelor degree in Optics and Optometry – Padua University, Physics department*
PhD Jury member for at KU Leuven, Physics Department

3 OTHER INFORMATION

4.1 AWARDS

2006 | INFN – Award for Bachelor Thesis in Nuclear Physics.

4.2 REFERENCES

Dr. F. Gramegna
Research Director at Laboratori Nazionali di Legnaro (INFN)
V.le Dell'Università, 2 – 35020 Legnaro (PD) - Italy
gramegna@lnl.infn.it

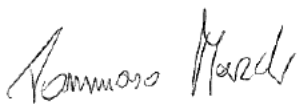
Prof. R. Raabe
Instituut voor Kern- en Stralingsfysica
Celestijnenlaan 200d – B-3001 Heverlee - Belgium
raabe@fys.kuleuven.be

Dr. V.L. Kravchuk
Head Division of International Science And Technology Cooperation
NRC "Kurchatov Institute", Moscow, Russia

Prof. M. Bruno
Physics and Astronomy Department, Bologna University
V.le Berti Pichat, 6/2 - 40127 Bologna (BO) - Italy

Legnaro (Pd), 9th June 2020

Tommaso Marchi



INFORMAZIONI PERSONALI

Sartor Sergio

[redacted]
[redacted]
sartor@lnl.infn.it

Sesso Maschio | [redacted] | Nazionalità Italiana

POSIZIONE PER LA QUALE SI CONCORRE
RSPP

POSIZIONE RICOPERTA
RSPP

OCCUPAZIONE DESIDERATA

TITOLO DI STUDIO PER LA QUALE SI CONCORRE
Laurea

ESPERIENZA PROFESSIONALE

Dal 2011 a oggi RSPP
Istituto Nazionale di Fisica Nucleare – Laboratori Nazionali di Legnaro

Partecipando in qualità di docente nell'ambito del Programma INFN per Docenti.
Sono stato tutor aziendale per gli stage universitari del corso di laurea per "tecnico della prevenzione sui luoghi di lavoro" istituito dall'Università degli studi di Padova, nonché correlatore di varie tesi di laurea
Dal 1999 a oggi Auditor ambientale interno ISO 14001
Istituto Nazionale di Fisica Nucleare – Laboratori Nazionali di Legnaro

Dal 2003 al 2010 Responsabile del Servizio Ufficio Tecnico
Istituto Nazionale di Fisica Nucleare – Laboratori Nazionali di Legnaro
Dal 1998 al 2003 Tecnico Servizio Gestione Impianti e Sicurezze (area informatica e sicurezze)
Istituto Nazionale di Fisica Nucleare – Laboratori Nazionali di Legnaro
1996 - 1998 Attività libero professionale presso la Confartigianato Associazione Artigiani della Marca Trevigiana di Montebelluna (Treviso) in qualità di consulente tecnico e informatico
1996 - 1997 Attività libero professionale presso la Confartigianato Associazione Artigiani della Marca Trevigiana di Valdobbiadene (Treviso) in qualità di consulente tecnico
1996 - 1997 Attività libero professionale presso la Confartigianato Associazione Artigiani della Marca Trevigiana di Asolo (Treviso) in qualità di consulente tecnico
1992- 1993 Contratto libero professionale per Informatizzazione della gestione tributi asporto rifiuti solidi urbani e formazione dei ruoli tributari del Comune di Nervesa della Battaglia (Treviso)
1992- 1993 Contratto libero professionale per Informatizzazione della gestione Tassa Occupazione Suoli e Aree Pubbliche e formazione dei ruoli tributari del Comune di San Polo di Piave (Treviso)
1991 - 1998 (dal 16.07.91 al 13.10.91; dal 16.09.93 al 14.12. 93; dal 16.01.95 al 15.04.95; dal 16.05 al 13.08.96; dal 03.11.97 al 31.01.98) Collaboratore Tecnico art.6 presso il Servizio Gestione Impianti della Divisione Tecnica dei Laboratori Nazionali di Legnaro dell'Istituto Nazionale di Fisica Nucleare
1991 - 1998 Consulente per la gestione degli impianti tecnologici e dell'Ufficio Tecnico presso l'Ospedale di Zona "San Camillo" di Treviso
1989 Collaboratore con contratto libero professionale presso l'Ufficio Tecnico del Comune di Salgareda per un periodo di 9 mesi. Informatizzazione della gestione tributi asporto rifiuti e acquedotto e formazione dei ruoli tributari.
1988 Nomina a Vice Giudice Conciliatore del comune di Salgareda e successivamente di aver ricoperto l'incarico di Giudice Conciliatore fino al 1993
1987-1991 Collaboratore tecnico informatico nello Studio Architettura d'interni di Sartor Arch. Mario
09.10.1984 - 09.01.1986 Assolvimento degli obblighi di leva: di aver frequentato la Scuola Militare Alpina di Aosta e di aver poi prestato servizio in qualità di sottotenente fanteria alpina presso il Btg. Alpini Gemona Tarvisio

ISTRUZIONE E FORMAZIONE

2020 Corso Esecutore PTC, BLSD
2018 Corso Stress lavoro correlato
2018 Comunicare la Scienza Iniziative per diverse tipologie di pubblico
2018 Corso per formatori "Formazione esperienziale, le soft skills per la sicurezza" 16 ore
11 aprile 2017 corso "Spazi ed ambienti confinati per formatori"
AiFOS Brescia
7 luglio 2015 corso Formazione Formatori "DPI di terza categoria per le vie respiratorie"
AiFOS Brescia
7 dicembre 2013 Corso "Formazione per formatori sulla sicurezza"
2010 Corso per RSPP settori ATECO 1, 3, 4, 6,7,8,9
Esse ti Esse Padova
2004 -2005 Corso di perfezionamento in "Gestione degli Interventi nelle Crisi Internazionali, dalla Diplomazia Umanitaria alla Cooperazione Internazionale"
CABLIT Roma, Università degli Studi di Trieste
Novembre 2003 giugno 2004 di aver frequentato un corso di perfezionamento post-laurea in "L'esercizio dell'attività di assicurazione rischi e liquidazione danni
Università degli Studi di Padova
24-29 novembre 2003 "Corso di formazione per valutatori di Sistemi di Gestione Ambientale"
Treviso
29 marzo 2000 Laurea in Scienze Politiche indirizzo Politico Sociale con voti 105/110
Università degli Studi di Padova
1997 Corso per RSPP
Confartigianato Montebelluna
1980 di aver conseguito il diploma di geometra presso l'Istituto Tecnico Statale per Geometri "A. Palladio" Treviso (sez. staccato di Oderzo)
Ad oggi di aver partecipato a decine di corsi di formazione e aggiornamento in materia di Sicurezza e Ambiente, Public Speaking, corsi antincendio, Primo Soccorso, BLS-D e PTC

COMPETENZE PERSONALI

Lingua madre: Italiana

Altre lingue

	COMPRENSIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
Inglese	A1	A1	A1	A1	A1
Spagnolo	A1	A1	A1	A1	A1

Livelli: A1/2 Livello base - B1/2 Livello intermedio - C1/2 Livello avanzato
Quadro Comune Europeo di Riferimento delle Lingue

Competenze comunicative: Possiedo buone competenze comunicative acquisite grazie alla mia esperienza di tutor durante l'erogazione di molti corsi, stage scolastici e universitari

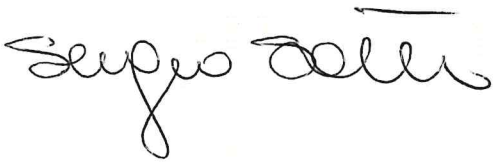
Competenze organizzative e gestionali: Attualmente sono responsabile del Servizio di Prevenzione e Protezione, inoltre coordino le squadre per la gestione delle emergenze, lotta antincendio e primo soccorso dei LNL

Competenze professionali	Buona padronanza dei processi di controllo ambientale (attualmente auditor ambientale interno) Nel corso di trent'anni lavorativi ho acquisito competenze in vari settori professionali
Competenze informatiche	▪ Ottima padronanza sistema operativo windows, programmi di office automation, OCR, CAD e vettorializzazione, database, DTP e imaging.
Altre competenze	▪ Possiedo una buona manualità, attitudine al lavoro di gruppo, team leader
Patente di guida	Patente di guida B Conduzione di carrelli industriali semoventi telescopici rotativi PLE con e senza stabilizzatori

ULTERIORI INFORMAZIONI

Pubblicazioni Presentazioni Progetti Conferenze Seminari Riconoscimenti e premi Appartenenza a gruppi / associazioni Referenze	▪ Sono stato correlatore per alcune tesi di laurea al corso di laurea "Tecniche della Prevenzione e nell'Ambiente e nei Luoghi di Lavoro" Facoltà di Medicina e Chirurgia dell'Università degli studi di Padova. ▪ Ho tenuto vari seminari in materia di sicurezza sul lavoro, ▪ Ho partecipato a numerosissimi corsi di aggiornamento in materia di sicurezza sul lavoro, Public Speaking sia in qualità di discente che di docente

ALLEGATI



FORMATO EUROPEO PER IL CURRICULUM VITAE

INFORMAZIONI PERSONALI

Nome	**FORDIANI PATRIZIA**
Indirizzo	[redacted]
Telefono	
Fax	
E-mail	**patrizia.fordiani@unife.it**
Nazionalità	ITALIANA
Data di nascita	[redacted]

ESPERIENZA LAVORATIVA

Dal gennaio 1981 al settembre 1987 diverse esperienze presso AZIENDE PRIVATE svolgendo mansioni di tipo CONTABILE

Dal 1/10/1987 in servizio presso UNIVERSITA' DEGLI STUDI DI FERRARA con questi RUOLI:

- Fino al 31/12/1993 addetto amministrativo-contabile presso la Ripartizione Ragioneria – Ufficio Bilancio e Contabilità Generale
- Dal 1/01/1994 al 30/09/2001 Responsabile Ufficio Stipendi Indennità e Missioni
- Dal 1/10/2001 al 31/12/2006 Segretario Amministrativo del Dipartimento di Scienze Giuridiche
- Dal 1/01/2007 al 31/12/2012 Segretario Amministrativo del Polo Giuridico Economico (Dipartimenti di afferenza: Dipartimento di Scienze Giuridiche e Dipartimento di Economia Istituzioni e Territorio)
- Dal 1/01/2013 al 31/12/2015 Segretario Amministrativo del Dipartimento di Giurisprudenza – nel periodo 16/9/2015 > 31/12/2015 assegnata "ad interim" anche al Dipartimento di Fisica e Scienze della Terra.
- Dal 1/01/2016 ad oggi – Segretario Amministrativo del Dipartimento di Fisica e Scienze della Terra

ISTRUZIONE E FORMAZIONE

DIPLOMA DI RAGIONERIA conseguito nell'anno scolastico 1979/1980 presso l'Istituto Tecnico Statale Commerciale VINCENZO MONTI di Ferrara

CAPACITÀ E COMPETENZE PERSONALI

MADRELINGUA

ITALIANA

ALTRE LINGUA

INGLESE

• Capacità di lettura	buono
• Capacità di scrittura	buono
• Capacità di espressione orale	buono

CAPACITÀ E COMPETENZE RELAZIONALI

Competenze e capacità legate al coordinamento ed alla formazione dei collaboratori, rivestendo ruoli di Responsabilità dal gennaio 1994.

CAPACITÀ E COMPETENZE ORGANIZZATIVE

In ambito lavorativo:

capacità nella gestione del gruppo;
capacità di lavorare in autonomia;
flessibilità;
capacità di ascolto;
capacità di gestione del tempo;
capacità nella gestione dei bilanci;
predisposizione al perseguimento degli obiettivi stabiliti;
gestione di progetti e rispetto delle scadenze;
ottima predisposizione a fronteggiare eventuali problemi che si presentano.

Nella vita privata: attività di volontariato e protezione civile.

CAPACITÀ E COMPETENZE TECNICHE

Competenze informatiche legate all'utilizzo di Office e di applicativi per la gestione contabile ed amministrativa delle procedure.

PATENTE O PATENTI

A - B