

CONTACT INFORMATION	V. Marzolo, 8 Padua, Italy	Web Page estervtech@gmail.com
EDUCATION	University of Padua , Padua, Italy	
	Post-doc at the Quantum Theory Group	Until today
	Scuola Internazionale Superiore di Studi Avanzati , Trieste, Italy	
	Statistical Physics PhD student	Oct. 2021
	International Centre for Theoretical Physics , Trieste, Italy	
	Postgraduate Diploma Programme , Condensed Matter Physics	Sep. 2017
	Higher Institute of Technologies and Applied Science , Havana, Cuba	
	B.Sc., Nuclear Physics , 5 years course.	May 2014
INTERESTS	Strongly Correlated Systems, Data Analysis, Scientific Computing, Distributed ledger technology, Internet Of Things	
SKILLS	<p>Programming</p> <ul style="list-style-type: none"> • C/C++ • Qt • Modern CMake • JavaScript • PHP <p>Others</p> <ul style="list-style-type: none"> • CI/CD • git • webassembly • Advanced user in Linux Systems • Linux on embedded devices 	<p>Design</p> <ul style="list-style-type: none"> • \LaTeX • QML • HTML • CSS
PORTFOLIO	<p>Qt demos</p> <ul style="list-style-type: none"> • NFT Minter • Decentralized Locker • QMLOnline 	
RESEARCH EXPERIENCE	Post-doc Quantum Theory Group.	Sept 2021 to 2023
	Research Assistant Physics Department, Centre of Technological Applications and Nuclear Development.	Sept 2014 to 2016

LANGUAGES

Mother tongue

- Spanish

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
English				
C1	C1	C1	C1	B2
Italian				
C1	C1	B1	A2	A2

AWARDS

Programming Awards

- Participating as a contestant in the **ACM-ICPC Caribbean Finals**, Havana, Cuba Nov 2012 and 2013

REFEREED
JOURNAL
PUBLICATIONS

1. **E. Gonzalez-Lazo**, M. Heyl, M. Dalmonte, A. Angelone; Finite-temperature critical behavior of long-range quantum Ising models. *SciPost Phys.* 11, 076 (2021)
2. Piotr Sierant, **Eduardo Gonzalez Lazo**, Marcello Dalmonte, Antonello Scardicchio, Jakub Zakrzewski; Constraints induced delocalization. arXiv:2103.14020 [cond-mat.dis-nn]
3. Federica Maria Surace, Matteo Votto, **Eduardo Gonzalez Lazo**, Alessandro Silva, Marcello Dalmonte, and Giuliano Giudici; Exact many-body scars and their stability in constrained quantum chains. *Phys. Rev. B* **103**, 104302, (2021)
4. Jugovac M., Genuzio F., **Gonzalez E.**, Stojić N., Zamborlini G., Feyer V., Menteş T.O., Locatelli A., Schneider C.M.; Role of carbon dissolution and recondensation in graphene epitaxial alignment on cobalt. *Carbon* **152**, 489-496, (2019)
5. Cruz C. M., **González E.**, Rodríguez A., Guzmán F., Abreu Y., Piñera I., Leyva A.; Methodology trends on gamma and electron radiation damage simulation studies in solids under high fluency irradiation environments. *Nuclear Instruments and Methods in Physics Research, Section A*, 865, 32-34, (2017)
6. **E. Gonzalez**, C.M. Cruz, A. Rodriguez, F. Guzman, Y. Abreu, I. Pinera, A. Leyva.; Effects of vacancies on atom displacement threshold energies calculations through Molecular Dynamic Methods in BaTiO₃ . *Nuclear Instruments and Methods in Physics Research Section A*, (2017).
7. **E. Gonzalez**, Y. Abreu, C.M. Cruz, I. Pinera, A. Leyva.; Molecular-dynamics simulation of threshold displacement energies in BaTiO₃. *Nuclear Instruments and Methods in Physics Research B*, 358, (2015), 142-145.
8. C. M. Cruz, A. Rodríguez, I. Pinera, D. Damiani, Y. Abreu, **E. Gonzalez**, M.D. Durrutí, M. Hernández, A. Leyva, A. Chávez, J.M. Yáñez-Limón; Gamma Radiation Damage Evaluation Studies on Ferroelectric La and Nb doped PZT Related Ceramics. *Proceedings of the XV Workshop on Nuclear Physics and IX International Symposium on Nuclear and Related Techniques. WONP-NURT'2015, Havana, Cuba, 2015.* pp. 221-225. (ISBN 978-959-300-069-7).

9. **E. Gonzalez**, Y. Abreu, C. M. Cruz, I. Pinera, A. Leyva.; Study of radiation damage in BaTiO₃, using Molecular-dynamics simulations. Proceedings of the XV Workshop on Nuclear Physics and IX International Symposium on Nuclear and Related Techniques. WONP-NURT'2015, Havana, Cuba, 2015. pp. 217-220. (ISBN 978-959-300-069-7).