

Marco Delmastro

Senior Research Physicist

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Experimental particle physicist bridging precision physics and detector instrumentation: from the ATLAS Higgs boson discovery and a decade of leadership in its precision measurement programme, to two decades of calorimeter design, calibration and upgrade for the LHC and its high-luminosity phase, now extending into detector R&D and machine learning for future colliders.

Higgs physics • Precision QCD • EFT interpretation
Calorimetry • Readout electronics • Machine learning • Future colliders (FCC-ee)

Appointments

- 2023–present **Directeur de Recherche 1^{ère} Classe**, CNRS/IN2P3, LAPP, Annecy, France
- 2021–2022 **Scientific Associate**, CERN, Geneva, Switzerland
- 2017–2023 **Directeur de Recherche 2^{ème} Classe**, CNRS/IN2P3, LAPP, Annecy, France
- 2011–2017 **Chargé de Recherche 1^{ère} Classe**, CNRS/IN2P3, LAPP, Annecy, France
- 2007–2011 **Research Physicist Staff**, CERN, Geneva, Switzerland
- 2005–2007 **Fellow**, CERN, Geneva, Switzerland
- 2003–2005 **Postdoctoral Research Associate**, University of Milano, Milano, Italy
- 1998–1999 **Postgraduate Research Associate**, Microelectronics Group, CERN, Geneva, Switzerland

Education

- 2016 **Accreditation to Supervise Research (*Habilitation à Diriger des Recherches, HDR*)**, University of Grenoble-Alpes, France
Thesis: *From ADC counts to the Higgs boson: photons for physics measurements with the ATLAS experiment at the LHC Run 1*
- 1999–2003 **PhD in Nuclear and Subnuclear Physics (highest honours)**, University of Milano, Italy
Thesis: *Energy reconstruction and calibration algorithms for the ATLAS electromagnetic calorimeter*
- 1992–1998 **MSc in Physics (110/110 cum laude, highest honours)**, University of Torino, Italy
Thesis: *Measurement of the J/ψ production at the CERN SPS with the NA50 experiment*

Services and Coordination

Physics and analysis coordination

- 2026–present **FCC-PED Higgs Working Group**, Convener
- 2023–present **LHC Higgs Combination Group**, Convener (ATLAS)
- 2020–2022 **ATLAS Higgs Working Group**, Convener, member of ATLAS Physics Coordination
- 2018–2020 **LHC Higgs Cross-Section Working Group 2 (Higgs Properties)**, Convener (ATLAS)
- 2017–2020 **ATLAS Analysis Contact, $H \rightarrow \gamma\gamma$ couplings analysis**
- 2016–2017 **ATLAS Higgs HGamma Working Group**, Convener
- 2015–2016 **ATLAS Analysis Contact, Search for Higgs-like diphoton resonances analysis**
- 2012–2014 **ATLAS EGamma Combined Performance group**, Convener, member of ATLAS Physics Coordination
- 2011–2012 **ATLAS Photon Identification group**, Convener
- 2010–2011 **ATLAS Standard Model Direct Photons group**, Convener

Detector and instrumentation coordination

- 2022–present **ALLEGRO LAPP Team Leader**, *member of the DRD6 Collaboration Board*
- 2022–present **FCC-PED LAPP Team Leader**, *FCC France contact for LAPP*
- 2024–present **ATLAS LAr Phase II Calibration Upgrade**, *Coordinator*, member of the ATLAS LAr Phase II Upgrade Steering Group
- 2017–2020 **ATLAS LAr activities at LAPP**, *Coordinator*
- 2011–2012 **ATLAS LAr Software and Data Preparation group**, *Convener*, member of the ATLAS LAr Steering Group
- 2005–2010 **ATLAS LAr Calorimeter Electronic Calibration group**, *Convener*

Committees and governance

- 2023–present **ATLAS LAPP Team Leader**, *member of the ATLAS Collaboration Board*
- 2020–present **Plenary European Committee for Future Accelerators (pECFA)**, *member*
- 2023–present **Swiss National Science Foundation**, *grant reviewer*
- 2016–present **Register of Expert Peer Reviewers for Italian Scientific Evaluation (REPRISE)**, *member*
- 2023–2025 **Long baseline Neutrino Committee (LBNC)**, *member*, Fermilab, USA
- 2017–2018 **LHCC panel reviewing the Phase-2 CMS Barrel Calorimeter TDR**, *member*
- 2015–2020 **French CERN Fellowship Selection Committee**, *member*

Conference and Workshop Organization

- 2022–2025 **Higgs Conference**, *International Organizing Committee*, member, chair in 2025
- 2022 **Program Committee**, *Higgs 2022 Conference*, Pisa, Italy
- 2022 **Organizing Committee**, *Higgs Hunting 2022 Workshop*, Paris, France
- 2013–present **Organizing Committee**, *Les Houches Workshop Physics at the TeV Colliders*, France

Funded Research and Project Leadership

- 2026 **Alliance Campus Rhodanien ML-ALLEGRO**, *Co-Leading Principal Investigator*, Machine-learning-driven optimisation of the ALLEGRO calorimeter design for FCC-ee, with University of Geneva (Prof. T. Golling). Submitted 28/9/2026, decision pending. Requested amount: €15k.
- 2026 **ANR ALLEGRETTO (ALLEGRO noble-liquid calorimeter prototype)**, *LAPP node coordinator and Axis 2 (readout) lead*, Collaborative project coordinated by Dr. N. Morange (IJCLab, France), five IN2P3 laboratories. Submitted 14/10/2026, decision pending. Requested amount: €562k consortium, €130k LAPP.
- 2025–2026 **ARIA – ALLEGRO Readout electrode Integrated ASICs**, *Principal Investigator*, Regional R&D grant, USMB Annecy, €10k: custom PCB development and readout-ASIC integration in cryogenic conditions for the ALLEGRO calorimeter prototype.
- 2024–2025 **France-Japan Particle Physics Laboratory (FJPPL) Project HEP_17 – A path toward the discovery of the Higgs-pair production in ATLAS**, *Principal Investigator (French side)*, Bilateral CNRS/KEK-Osaka researcher mobility and networking grant, €2.5k/year.
- 2025–present **FJPPL Project HEP_18 – Beyond the SM physics probed with Higgs boson pair production in the ATLAS experiment (continuation of HEP_17)**, *Member*
- 2016–2021 **ANR PhotonPortal Project**, *Principal Investigator*, French National Research Agency grant, €485k: proposal writing, consortium assembly, milestone tracking, team coordination.

Awards

- 2021–2025 **CNRS RIPEC Merit-based Bonus**, *Prime individuelle au mérite scientifique*, (Comp. 3)
- 2014–2017 **CNRS Scientific Excellence Prize**, *Prime d'Excellence Scientifique*

Summary of scientific production

As of September 2026, more than **1500 publications** in peer-reviewed scientific journals (INSPIRE; SCOPUS; Google Scholar). Below 15 publications selected among those representative of my research achievements, with a major personal contribution:

- [1] ATLAS Collaboration, “Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC”, in: *Phys. Lett. B* 716 (2012), pp. 1–29, DOI: 10.1016/j.physletb.2012.08.020, arXiv: 1207.7214 [hep-ex].
- [2] ATLAS Collaboration, “Measurement of isolated-photon pair production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector”, in: *JHEP* 01 (2013), p. 086, DOI: 10.1007/JHEP01(2013)086, arXiv: 1211.1913 [hep-ex].
- [3] ATLAS and CMS Collaborations, “Measurements of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC pp collision data at $\sqrt{s} = 7$ and 8 TeV”, in: *JHEP* 08 (2016), p. 045, DOI: 10.1007/JHEP08(2016)045, arXiv: 1606.02266 [hep-ex].
- [4] ATLAS Collaboration, “A detailed map of Higgs boson interactions by the ATLAS experiment ten years after the discovery”, in: *Nature* 607.7917 (2022), pp. 52–59, DOI: 10.1038/s41586-022-04893-w, arXiv: 2207.00092 [hep-ex].
- [5] ATLAS Collaboration, “Combined Measurement of the Higgs Boson Mass from the $H \rightarrow \gamma\gamma$ and $H \rightarrow ZZ^* \rightarrow 4\ell$ Decay Channels with the ATLAS Detector Using $s=7, 8$, and 13 TeV pp Collision Data”, in: *Phys. Rev. Lett.* 131.25 (2023), p. 251802, DOI: 10.1103/PhysRevLett.131.251802, arXiv: 2308.04775 [hep-ex].
- [6] ATLAS Collaboration, “Interpretations of the ATLAS measurements of Higgs boson production and decay rates and differential cross-sections in pp collisions at $\sqrt{s} = 13$ TeV”, in: *JHEP* 11 (2024), p. 097, DOI: 10.1007/JHEP11(2024)097, arXiv: 2402.05742 [hep-ex].
- [7] ATLAS Collaboration, “Study of Higgs boson pair production in the $HH \rightarrow b\bar{b}\gamma\gamma$ final state with 308 fb⁻¹ of data collected at $\sqrt{s} = 13$ TeV and 13.6 TeV by the ATLAS experiment”, in: (July 2025), arXiv: 2507.03495 [hep-ex].
- [8] ATLAS Collaboration, “Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data”, in: *Eur. Phys. J. C* 74.10 (2014), p. 3071, DOI: 10.1140/epjc/s10052-014-3071-4, arXiv: 1407.5063 [hep-ex].
- [9] ATLAS Collaboration, *Technical Design Report for the Phase-II Upgrade of the ATLAS LAr Calorimeter*, tech. rep. CERN-LHCC-2017-018, ATLAS-TDR-027, 2017, URL: <https://cds.cern.ch/record/2285582>.
- [10] H. Abreu et al., “Performance of the Electronic Readout of the ATLAS Liquid Argon Calorimeters”, in: *Journal of Instrumentation* 5.09 (2010), P09003, URL: <http://stacks.iop.org/1748-0221/5/i=09/a=P09003>.
- [11] ATLAS Collaboration, “Readiness of the ATLAS liquid argon calorimeter for LHC collisions”, in: *The European Physical Journal C - Particles and Fields* (2010), pp. 1–31, ISSN: 1434-6044, DOI: 10.1140/epjc/s10052-010-1354-y, arXiv: 0912.2642 [hep-ex], URL: <http://dx.doi.org/10.1140/epjc/s10052-010-1354-y>.
- [12] D. Banfi, M. Delmastro, and M. Fanti, “Cell response equalisation of the ATLAS electromagnetic calorimeter without the direct knowledge of the ionisation signals”, in: *JINST* 1 (2006), P08001, DOI: 10.1088/1748-0221/1/08/P08001.
- [13] M. Benedikt et al., *Future Circular Collider Feasibility Study Report: Volume 1, Physics, Experiments, Detectors*, Apr. 2025, DOI: 10.17181/CERN.9DKX.TDH9, arXiv: 2505.00272 [hep-ex].
- [14] A. Abada et al., “FCC-ee: The Lepton Collider”, in: *The European Physical Journal Special Topics* 228.2 (2019), pp. 261–623, DOI: 10.1140/epjst/e2019-900045-4, URL: <https://doi.org/10.1140/epjst/e2019-900045-4>.
- [15] M. Bicer et al., “First Look at the Physics Case of TLEP”, in: *JHEP* 01 (2014), ed. by Norman A. Graf, Michael E. Peskin, and Jonathan L. Rosner, p. 164, DOI: 10.1007/JHEP01(2014)164, arXiv: 1308.6176 [hep-ex].

Teaching

- 2017 **Accredited as Full Professor, Experimental Physics of Fundamental Interactions, Italy, Abilitazione Scientifica Nazionale, Prima Fascia, Settore 02/A1 (ASN 2016/2018)**
- 2012 **Accredited as Associate Professor, Experimental Physics of Fundamental Interactions, Italy, Abilitazione Scientifica Nazionale, Seconda Fascia, Settore 02/A1 (ASN 2012)**

Courses

- Contact hours Approximately **180 contact hours** of lectures, 2014 to 2026 (ESIPAP 10×15 h; GraSPA 6×2 h; Torino 16 h; Roscoff 3 h; École de Gif 1.5 h).
- 2027 **Faculty, ECFA Winter Instrumentation School in Particle Physics (WISPP), CERN, Switzerland, 1.5-hour course on Calorimetry and energy measurement; inaugural edition, successor school to ESIPAP.**
- 2026 **Visiting Professor, University of Torino, Torino, Italy, 16-hour course on Calorimetry in particle physics for PhD students.**
- 2025 **Faculty, École thématique IN2P3 en instrumentation De la Physique au Détecteur 2025, Roscoff, France, 3-hour course on Calorimetry**
- 2025 **Faculty, École de Gif 2025 (Future colliders and their physics), Strasbourg, France, 1.5-hour course on Technologies for future calorimeters**
- 2014–2023 **Faculty, ESIPAP School, Archamps, France, 15-hour course on Experimental Subatomic Physics (annually, 2014–2023)**
- 2014–2019 **Faculty, GraSPA Summer School, Annecy-le-Vieux, France, 2h lectures on LHC Experimental Physics (annually 2014–2019)**
- 2015–2017 **Organizing Committee, ENIGMASS Lecture Series, France, Naturalness at LHC (Annecy, 2015), Dark Matter (Grenoble, 2016), Neutrino Physics (Annecy, 2017)**
- 2002–2005 **Teaching Assistant, BSc in Physics, University of Milano, Italy, course of Computational Physics Laboratory**

Student Supervision

PhD theses

- 2025–2028 **Hind Taibi, Measurement of double Higgs boson production in the $b\bar{b}\gamma\gamma$ channel with the ATLAS experiment using Run 2 and Run 3 data**
- 2022–2026 **Jeremy Couthures, Development of new machine-learning-based reconstruction algorithms for charged particles tracks in the ATLAS experiment, defended on 31/03/2026, co-supervised with Dr. D. Rousseau, IJCLAB, France, and Dr. A. Vallier, L2IT, France.**
- 2018–2022 **Luca Franco, Precision Higgs Physics and search for Physics Beyond the Standard Model with the Higgs Boson decaying into two photons with the ATLAS experiment at LHC, defended on 13/01/2022 (CERN-THESIS-2022-026).**
- 2016–2019 **Saskia Falke, Measurement of Higgs boson properties in the Higgs to diphoton channel with the ATLAS experiment, EFT interpretation of the Simplified Template Cross Section measurements and energy calibration of electrons and photons in ATLAS, defended on 17/09/2019 (CERN-THESIS-2019-148), co-supervised with Dr. T. Guillemin, LAPP, France.**
- 2014–2017 **Kirill Grevtsov, Exploring the diphoton final state at the LHC at $\sqrt{s} = 13$ TeV: searches for new particles, and the Higgs boson mass measurement with the ATLAS detector, defended on 04/07/2017 (CERN-THESIS-2017-138), co-supervised with Dr. I. Wingerter-Seez, LAPP, France.**
- 2013–2017 **Simone Mazza, Search for new physics in the diphoton channel at the ATLAS experiment at the LHC, defended on 27/02/2017 (CERN-THESIS-2017-010), co-supervised with Prof. L. Carminati, University of Milano, Italy.**

- 2012–2015 **Zuzana Barnovska**, *Diphoton measurements with the ATLAS detector at the LHC: search for new resonances and study of diphoton production in association with jets*, defended on 29/09/2015 (CERN-THESIS-2015-167).
- 2010–2013 **Maud Schwoerer**, *Études des états finals diphoton dans l'expérience ATLAS au LHC: mesure de sections efficaces différentielles, découverte d'une nouvelle résonance dans la recherche du boson de Higgs et étude de ses propriétés*, defended on 27/09/2013 (CERN-THESIS-2013-193), co-supervised with Dr. I. Wingerter-Seez, LAPP, France.

Other PhD projects

- 2007–2013 Supervision of the calibration project of four doctoral students working on the ATLAS LAr electromagnetic calorimeter (electronic calibration constants, high-voltage corrections), co-supervised with their thesis advisors: **C. Gabaldon Ruiz** (Madrid, defended 2010), **S. Bordini** (LPNHE Paris, 2011), **G. Lefebvre** (LPNHE Paris, 2014) and **A. Campoverde** (Stony Brook, 2015). Documented in the ATLAS internal notes ATL-LARG-INT-2009-010, ATL-LARG-INT-2011-001, ATL-LARG-INT-2013-001 and ATL-LARG-INT-2013-006.

Master Students

- 2025 **Hind Taibi**, *Photon Identification Optimization in the ATLAS Detector for the $HH \rightarrow \gamma\gamma b\bar{b}$ Measurement*, M2 internship, Paris-Saclay University, France.
- 2024 **Yann Chardon-Grossard**, *Optimization of the photon identification criteria in the ATLAS detector using machine learning on Run 2 dataset*, M2 internship, University of Clermont-Auvergne, France.
- 2024 **Hind Taibi**, *Measurement of the $ZH, H \rightarrow ZZ^*$ Cross Section in the Four Lepton Channel at FCC-ee*, M1 internship, Paris-Saclay University, France.
- 2023–2024 **Marta Cinci**, *Photon identification optimization for di-Higgs production search in the $\gamma\gamma b\bar{b}$ final state with the ATLAS detector*, Master Thesis (*Laurea Magistrale*), co-supervised with Prof. L. Carminati, Università degli Studi di Milano, Italy.
- 2018 **Luca Franco**, *Study of the Higgs boson production in Vector Boson Fusion through its decay into two photons with the ATLAS detector at LHC*, Master Thesis (*Laurea Magistrale*), co-supervised with Prof. E. Meoni, Università della Calabria, Italy.
- 2017 **Florian Eble**, *Study of LAr Calibration from Run 2 for phase II upgrade*, M1 internship, co-supervised with Dr. N. Lorenzo Martinez.

CERN Summer Students

- 2018 **Dimitrios Sidiropoulos Kontos**, *Machine Learning techniques for precision Higgs physics, exploiting the Higgs boson decays into two photons*
- 2010 **Maud Schwoerer**, *First evidence of $\Upsilon \rightarrow e^+e^-$ events at $\sqrt{s} = 7$ TeV in the ATLAS detector*
- 2007 **Kilian Mueller**, *Studies on longitudinal weight extraction for very low energy electrons*
- 2006 **Martin Skou Andersen**, *Optimization of clustering algorithms for very low energy electrons*

Thesis referee and doctoral committees

- Thesis referee External examiner for **11 PhD defences** in France, Italy, the Netherlands and Montenegro (10 defended; 1 pending in 2026).
- PhD CSI Member of **4 ongoing individual PhD thesis committees (Comité de Suivi Individuel, CSI)** (2024–2028)

Presentations and Seminars

Presentations at international conferences

- [1] Marco Delmastro, *Experimental concluding talk*, presented at *Higgs Hunting 2026*, IJCLab Orsay & APC Paris, France, September 16–18, 2026.
- [2] Marco Delmastro, *Di-Higgs combination, single-Higgs constraint and EFT interpretation in ATLAS and CMS*, presented at *Higgs Pairs 2025*, Isola d’Elba, Italy, May 11–17, 2025. Slides available at <https://cds.cern.ch/record/2932647>.
- [3] Marco Delmastro, *Higgs boson properties: mass, width, spin and CP*, presented at *Higgs@10, Scientific Symposium to celebrate the 10th anniversary of the Higgs boson discovery*, CERN, Geneva, Switzerland, July 4, 2022. Slides available at <https://cds.cern.ch/record/2824995>.
- [4] Marco Delmastro, *Higgs couplings and properties measurements: Recent Run-2 results and HL-LHC prospects*, presented at the 31st *Rencontres de Blois, Particle Physics and Cosmology*, Blois, France, 2–7 June, 2019. Slides available at <https://cds.cern.ch/record/2677802>.
- [5] Marco Delmastro, *Diphoton searches in ATLAS*, presented at the 51st *Rencontres de Moriond on Electroweak Interactions and Unified Theories*, La Thuile, Italy, March 12–19, 2016. Proceedings available at <https://cds.cern.ch/record/2150667>.
- [6] Marco Delmastro, *Results of $H \rightarrow \gamma\gamma$ and $Z\gamma$ from ATLAS*, presented at the 2013 *Aspen Winter Conference on particle physics: Higgs Quo Vadis*, Aspen, CO, USA, March 10–15, 2013. Slides available at <https://cds.cern.ch/record/1529692>.
- [7] Marco Delmastro, *Photon and diphoton production at ATLAS*, presented at the 15th *Lomonosov Conference*, Moscow State University, Moscow, Russia, August 8–24, 2011. Proceedings available at <https://arxiv.org/abs/1111.2223>.
- [8] Marco Delmastro, *Searches for the Higgs boson at the LHC*, presented at the XXI *Rencontres de Blois*, Blois, France, June 21–26, 2009. Proceedings available at <https://arxiv.org/abs/0909.0493>.
- [9] Marco Delmastro, *Recent results of the ATLAS barrel combined test beam*, presented at the 12th *International Conference on Calorimetry in High Energy Physics (CALOR 2006)*, Chicago, USA, June 5–9, 2006. Proceedings available at <https://doi.org/10.1063/1.2396973>.
- [10] Marco Delmastro, *A stand-alone signal reconstruction and calibration algorithm for the ATLAS electromagnetic calorimeter*, presented at *IEEE Nuclear Science Symposium 2003*, Portland, OR, USA, October 19–25, 2003.
- [11] Marco Delmastro, *The ATLAS Liquid Argon calorimeters read-out system*, presented at *IEEE Nuclear Science Symposium 2003*, Portland, OR, USA, October 19–25, 2003.

Recent Seminars and Colloquia

- 2024 **Living with a pre-teen Higgs boson: twelve years with the Higgs boson, and the next twelve years**, Seminar, Université de Genève, Switzerland
- 2022–2023 **Ten years with the Higgs boson, and the next ten years**, Seminar, IJCLab (France), University of Tor Vergata (Italy), University of Milano (Italy), University of Krakow (Poland)
- 2018 **What do we know about the Higgs boson?**, Seminar, University of Cosenza (Italy)

Editorial Activities

- 2011–present **Peer reviewer for scientific journals**, including *Physics Letters B*, *Physics Review Letters*, *Nuclear Physics B*, *Journal of Instrumentation*, *The European Physical Journal C*, *Journal of High Energy Physics*, and *Computer Physics Communications*.
- 2009–present **Editorial Boards for internal review of ATLAS papers**, as of September 2026: 40 boards (23 as chair), including 26 papers (17 as chair) and 14 CONF notes (6 as chair).
- 2011–present **ATLAS Contact Editor**, as of September 2026: 14 papers and CONF notes, 4 PUB notes.
- 2009–2011 **ATLAS Collaboration Publication Committee, member**
Author of the first version of the ATLAS publication L^AT_EX template.

Outreach

Public events

- 2015–present **Il bosone di Higgs in un bicchiere d’acqua**, *The Higgs Boson in a glass of water*, a popular science conference designed for high school students and presented in dozens of schools across Italy.
- 2012–present **Selected public talks**
- Voir l’invisible: comment observe-t-on le boson de Higgs avec le détecteur ATLAS, *Seeing the invisible: how do we observe the Higgs boson with the ATLAS detector*, Les Mercredis du LAPP et du LAPTh (2026)
 - Misurare le proprietà del bosone di Higgs, *How to measure the Higgs boson properties*, La Via delle Scienze (2020)
 - Comunicare la fisica al tempo dei social?, *How to communicate physics in the social network era?*, Università degli Studi di Milano, Italy (2017)
 - Il bosone di Higgs spiegato col LEGO, *Explaining the Higgs Boson with LEGO bricks*, Festival delle Scienze, Rome, Italy (2015)
 - Alla ricerca dell’infinitamente piccolo, *Looking for the Immeasurably Small*, TEDx Lake Como, Italy (2012)
- 2016–present **LAPP Outreach volunteer**, e.g. *Fête de la Science* (2016), *ten-year anniversary of the Higgs boson discovery* (2022), *EUTOPIA space visits*.
- 2005–present **CERN Outreach volunteer**, e.g. *ATLAS Guide* (Italian, English, French), *CERN Open Days* (2013, 2019).

Teacher and Communication Training

- 2012–2016 Faculty for researcher and teacher training in science communication: CERN Italian Teacher Programme (*Introduction to Experimental Particle Physics*, 2014); Summer School *Science Communication Society* (*The visible researcher*, La Morra, Italy, 2014); INFN Training Course (*Case study: Scientific blogs*, 2016); XXIV Seminario Nazionale di Fisica Nucleare e Subnucleare (*Scientific communication and public engagement*, Otranto, Italy, 2012).

Books

- 2014 **Particelle familiari**, *Familiar particles*, Laterza, Italy, 2014
“Maria Antonia Gervasio” Literary Award *Le Due Culture* for best popular-science book, 2014

Media and Press

- 2015–2016 Documentary and television: *Inside CERN*, BBC 2 Horizon documentary (UK, 2016); *Tutta colpa di Einstein* (*It’s all Einstein’s fault!*), TV show, Italia 1 (Italy, 2015).
- 2012–2015 Print: *Comics & Science @ CERN*, *OraMai* (*NeverNow*) comic book (2014); *DafDaf*, Italian monthly magazine for children aged 6–11, bi-monthly science section (2012–2015).
- 2012–present Numerous articles and interviews in newspapers and magazines (e.g. *Il Manifesto*, *Le Scienze*)
- 2010–present Numerous interviews and panel interventions on Italian and Swiss public radio (e.g. Radio RAI, Radio Popolare, RTS)

Blogs and Podcasts

- 2006–present **Borborigmi di un fisico renitente**, *Rumbles of a resistant physicist*, a popular-science blog in Italian, focused on particle physics vulgarization
- 2020 **Tu che sei un fisico**, *You who are a physicist*, a podcast where a particle physicist answers any question sent by the audience, 8 episodes produced in 2020.
- 2010 **Bloggig ICHEP 2010**, collective forum of the 35th edition of the International Conference on High Energy Physics, Paris (2010)

Languages

Italian Native speaker
English Fluent (CEFR level C2)
French Fluent (CEFR level C2)
Spanish Basic proficiency (CEFR level A2)

References

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