

VACCAREZZA Cristina
1961 / Italy

May 25, 2020

Cristina Vaccarezza
CURRICULUM VITAE

PERSONAL INFORMATION

Name: Cristina Vaccarezza
Phone Number: +39 06 94038426
Fax: +39 06 9403 5281
E-mail: cristina.vaccarezza@Inf.infn.it
Nationality: Italian
Date of birth: July 16, 1961 in Rieti (Italy)

EDUCATION

July 1988: Degree in Physics at the Faculty of Science (University of Rome La Sapienza)

LANGUAGES

Mother tongue: Italian
ENGLISH : fluent
CHINESE : school level

CAREER IN INFN

Feb 1989 – Jan 1991 Winner of INFN scholarship for advanced techniques in Linear Accelerators
Feb 1991 – Jan 1994 Tecnological Researcher of level 3, (temporary contract)
Feb 1994 – Jan 2006 Tecnological Researcher of level 3, (permanent)
Since Jan 2006 Tecnological Researcher of level 2, “First Tecnological Researcher”

MAIN ACTIVITIES

Accelerator Physics:

- High brightness electron beams for FEL Radiation Sources with frontier techniques and ultimate conventional ones such as Plasma wakefield acceleration (PWFA and LWFA) and X-band and K-band technology
- High density electron beams in the transverse phase space for advanced Gamma Ray Sources based on Compton back-scattering, with high spectral density and low bandwidth.
- Microbunching instability and CSR effects mitigation for FEL performance.
- Electron Cloud and Ion trapping effects mitigation in storage rings.
- R&D on Tunable Permanent Quadrupole Magnet with high gradient.
- Cooling channel study for muon beams.

MAIN RESPONSIBILITIES (backwards)

Since 2020

- Membro del Machine Advisory Committee (MAC) dell’INFN

Since 2019

- Leader of the WA1: Beam Physics for the EuPRAXIA@SPARCLAB project of INFN-LNF
- INFN-CSN5 Coordinator for LNF - SubCommittee : ACCELERATORS
- Leader of the [WP5: Electron Beam Design and Optimization](#) for Horizon 2020 EU Design Study EuPRAXIA
- Member of the Scientific Committee of IPAC21 (Co-leader of MC3-Novel Particle Sources and Acceleration Techniques)
- Chair of the LNF Accelerator Division Editorial Board

Since 2017

Member of the EPS-AG Elected Board

Since 2015

- Leader of the [Beam Physics at SPARC_LAB](#)
- Leader of the [Working Group: Machine Commissioning of the ELI-NP GBS project](#)

Since 2012

Leader of the [Working Package 1a: Accelerator Physics](#) of the [ELI-NP GBS project](#)

Since 2007

Leader of the [SL Thomson Source](#) at SPARC_LAB

2012 – 2015

National Coordinator of the SL_Thomson source for the CSN5 of INFN

2007 – 2012.

Local Coordinator of the SL_Thomson source for the CSN5 of INFN

2006 – 2012.

[Head of the LINAC of the DAFNE collider at LNF](#)

TEACHING

- Physics course at the University of Rome La Sapienza- Faculty of Engineering (A.A. 2015-2016 and 2016-2017)
- PhD Advisor of :
 - “6D Phase Space Optimisation for High Brightness Electron Beams in RF Linacs as Drivers for High Brilliance Inverse Compton Scattering X and gamma Ray Sources” (2017)
 - “Study and Design of Magnet System for Linacs” (2019)
 - “High level application for beam trajectory correction and 6D phase-space characterization for high brightness electron LINACs” (2019)
- Phd thesis Referee of:
 - “Design study of a Laser Plasma Wakefield Accelerator with an externally injected 10 MeV electron beam coming from a photoinjector” (2019)

Danilo Domenici

Curriculum vitae

✉ Danilo.Domenici@Inf.infn.it

Titoli di studio

- 2004 Dottorato di ricerca in Fisica, *Università di Roma Tor Vergata*
- 2000 Laurea in Fisica, *Università di Roma Tor Vergata*

Posizione INFN

- dal 2015 Ricercatore III livello dei Laboratori Nazionali di Frascati

Incarichi di responsabilità o coordinamento

- dal 2020 Technical Manager dell'esperimento PADME
- dal 2014 Technical Manager dell'esperimento KLOE-2
- 2006–2008 Responsabile Nazionale dell'esperimento HPPC
- dal 2017 Esperto esterno dell'International Review Committee for the BESIII Cylindrical GEM
- dal 2017 Revisore di articoli per Chinese Physical Society e Elsevier
- 2018 Comitato organizzatore della Frascati Detector School
- 2016 Comitato organizzatore del corso di formazione Fisica e Comunicazione: Scienza e Scuola

Attività scientifica

- dal 2018 Esperimento PADME. Ricerca di Materia Oscura con un fascio di positroni di 500 MeV di energia su bersaglio fisso ai LNF
- 2015–2017 Esperimento SHiP. Ricerca di Materia Oscura nel decadimento di mesoni prodotti da un fascio di protoni all'SPS. Proposta di rivelatore GEM per tracciamento di neutrini τ
- dal 2007 Collaborazione RD51. Sviluppo di tecnologie a Micro-Pattern Gas Detector. R&D su rivelatori GEM planari a grande area
- dal 2019 Collaborazioni MPGD, RD_FA, CremlinPLUS. Sviluppo di tecnologie di rivelazione per i futuri acceleratori. R&D sulle GEM cilindriche e sulle μ -RWELL
- dal 2007 Esperimento KLOE-2. Fisica adronica e studio di simmetrie fondamentali in collisioni e^+e^- a 1019 MeV di energia a DAFNE. Ideazione, progettazione e costruzione di un Inner Tracker a GEM cilindrica per il tracciamento di particelle cariche
- 2006–2008 Esperimento HPPC. R&D di un rivelatore a gas a elettrodi paralleli metallo/resistivo per fotoni di 511 MeV di energia per applicazioni nella Positron Emission Tomography (PET)
- 2000–2005 Esperimento LHCb. Studio di simmetrie fondamentali a LHC. R&D di un rivelatore Resistive Plate Chamber (RPC) per trigger e tracciamento di muoni

Attività di comunicazione della scienza

- 2019 Comitato organizzatore TEDxFrascati - "From an idea to an avalanche"
- dal 2019 Tutor gruppo di lavoro a Incontri di Fisica per docenti
- dal 2017 Coordinatore Gruppo di Lavoro per la progettazione dello Science Centre dell'INFN
- dal 2018 Responsabile scientifico del Visitor Centre LNF
- dal 2016 Responsabile scientifico OpenLabs LNF
- 2010–2016 Responsabile IPPOG International Masterclasses a LNF
- dal 2014 Decine di seminari divulgativi e focus-group in scuole secondarie superiori

Presentazioni a conferenze più rilevanti

- 2020 *Novosibirsk*. Presentazione a "Instrumentation for Colliding Beam Physics" per conto della collaborazione PADME sullo stato dell'esperimento.
- 2018 *Sydney*. Presentazione al "IEEE Nuclear Science Symposium" per conto della collaborazione KLOE-2 sullo stato dell'esperimento.
- 2013 *Stoccolma*. Presentazione alla "European Physical Society Conference on High Energy Physics" per conto della collaborazione KLOE-2 sui rivelatori per l'upgrade dell'apparato.
- 2009 *Isola d'Elba*. Presentazione al "XI Pisa Meeting on Advanced Detectors" per conto dei gruppi CERN e LNF sullo stato del R&D sui rivelatori a GEM di grande area.
- 2006 *Nashville*. Presentazione a "The Annual Meeting of the Division of Nuclear Physics of the American Physical Society", sull'idea innovativa di un rivelatore a GEM cilindrica.
- 2006 *SLAC*. Presentazione all'"International Symposium on Detector Development for Particle, Astroparticle and Synchrotron Radiation Experiments" sul progetto del rivelatore HPPC per fisica medica.

Articoli più rilevanti

- [1] D. Domenici [KLOE-2], "Status of the KLOE-2 experiment at the Frascati National Laboratory of INFN," *JINST* **12** (2017) no.10, C10001
- [2] D. Domenici, "Construction and commissioning of the cylindrical-GEM inner tracker of KLOE-2," *JINST* **9** (2014) no.09, C09012
- [3] D. Domenici [KLOE-2], "The new detectors of the KLOE-2 experiment," *PoS EPS-HEP2013* (2013), 495
- [4] M. Alfonsi, G. Bencivenni, I. Brock, S. Cerioni, G. Croci, E. David, E. De Lucia, R. De Oliveira, G. De Robertis and D. Domenici, *et al.* "Activity of CERN and LNF groups on large area GEM detectors," *Nucl. Instrum. Meth. A* **617** (2010), 151-154
G. Bencivenni and D. Domenici, "An ultra-light cylindrical GEM detector as inner tracker at KLOE-2," *Nucl. Instrum. Meth. A* **581** (2007), 221-224
- [5] F. Anulli, G. Bencivenni, C. D'Ambrosio, D. Domenici, G. Felici, M.C. Morone and F. Murtas, "A Hybrid Parallel Plate gas Counter for medical imaging," *Nucl. Instrum. Meth. A* **572** (2007) 244-245
- [6] G. Carboni, S. De Capua, D. Domenici, G. Ganis, R. Messi, E. Santovetti, G. Collazuol, G. Passaleva and M. Veltri, "A Model for RPC detectors operating at high rate," *Nucl. Instrum. Meth. A* **498** (2003), 135-142

Curriculum Vitae Prof. Raggi Mauro

DATI PERSONALI

Prof. Raggi Mauro,
☎ Ufficio : 06-0649914409
E-Mail: mauro.raggi@uniroma1.it
Lingue parlate: Italiano, Inglese, Francese

POSIZIONE ATTUALE

Dal 15/06/2019 Professore Associato presso Sapienza Università di Roma

POSIZIONI PRECEDENTI

15/06/2016-14/06/2019 Ricercatore (RTDb 02/A1) Sapienza Università di Roma

11/2009 -14/06/2016 INFN Laboratori Nazionali di Frascati

contratto a tempo determinato (art. 23) con profilo di Ricercatore Livello III.

03/2009-10/2009 INFN Laboratori Nazionali di Frascati

Contratto di collaborazione (art. 2222) presso i Laboratori Nazionali di Frascati

03/2007 -2/2009 INFN Laboratori Nazionali di Frascati

Vincitore di un assegno di ricerca INFN biennale dal titolo:

“Studio dei rivelatori di veto per fotoni per la misura del decadimento $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ per l’esperimento P326 al CERN

03/2006 INFN Sezione di Perugia

Vincitore di un assegno di ricerca INFN annuale dal titolo:

“Analisi di decadimenti dei K carichi e prospettive future di studio di decadimenti rari dei K carichi”

11/2005-2/2006 Contratto di collaborazione con L’Università di Firenze

11/2002-11/2005 Dottorando presso Università di Perugia

06/2002 Università di Perugia

Vincitore di una borsa di studio post laurea presso l’Università di Perugia

FORMAZIONE

02/2006 – Dottorato in Fisica presso l’università di Perugia

02/2002 – Laurea in Fisica presso l’università di Perugia 110/110

VALORI BIBLIOMETRICI

<https://www.scopus.com/authid/detail.uri?authorId=22939102900>

Documents by author: 163

Total citations: 2088

h-index: 25

- 1 book as co-editor

- >20 presentations at the major international conferences

- 6 seminars at national and international Institutes

ESPERIENZE SCIENTIFICHE

Membro della collaborazione PADME ad LNF dal 2015

Membro della collaborazione NA62 al CERN dal 2006

Membro della collaborazione NA48/2 al CERN dal 2003

Membro della collaborazione KOPIO al BNL dal 2002-2005

ATTIVITÀ DIDATTICHE

A.A. 2020-2021 Sapienza Università di Roma

Titolare del corso Segnali e Sistemi laurea in Fisica presso il dipartimento di Fisica (9 CFU)

A.A. 2019-2020 Sapienza Università di Roma

Titolare del corso Segnali e Sistemi laurea in Fisica presso il dipartimento di Fisica (9 CFU)

A.A. 2018-2019 Sapienza Università di Roma

Titolare del corso Segnali e Sistemi laurea in Fisica presso il dipartimento di Fisica (9 CFU)

A.A. 2017-2018 Sapienza Università di Roma

Titolare del corso Segnali e Sistemi laurea L30 presso il dipartimento di Fisica (9 CFU)

A.A. 2016-2017 Sapienza Università di Roma

Titolare del corso Fisica Generale I presso Ingegneria Civile ed Industriale (sede di Latina 9 CFU)

SUPERVISIONE STUDENTI

Relatore di 5 dissertazioni triennali a Sapienza.

Relatore di 1 tesi magistrale a Sapienza

Relatore di 1 tesi di dottorato in collaborazione con Tor Vergata

Supervisore di uno studente di dottorato in Sapienza

RESPONSABILITÀ SCIENTIFICHE

Dal 2020 – Responsabile locale del gruppo di Roma esperimento NA62

dal 2015 – Spoke person dell'esperimento PADME ai Laboratori Nazionali di Frascati

dal 2015 – Responsabile nazionale dell'esperimento PADME ai Laboratori Nazionali di Frascati

2015-june 2016 – responsabile LNF dell'esperimento PADME ai Laboratori Nazionali di Frascati

30 Maggio-13 Giugno 2016 Run Coordinator dell'esperimento NA62 al CERN

Jan 2016-june 2016 –LNF local team leader of the MAE project PGR00226 for Italy-USA collaboration.

RESPONSABILITÀ ISTITUZIONALI SAPIENZA

2019 Membro comitato editoriale report scientifico Sapienza.

dal 10/2017 – Membro del Comitato Assicurazione e Garanzia della Qualità presso il Dip. di Fisica per la laurea L30.

ATTIVITÀ DI REFERAGGIO PER RIVISTE

Editor of "Proceedings, International Symposium Advances in Dark Matter and Particle Physics (ADMPP16)": Messina, Italy, October 24-27, 2016 Published in EPJ Web Conf. 142 (2017)

Reviewer for the journal Nuclear Instruments and method A

Reviewer for the journal JHEP

Reviewer for the journal JINST

Reviewer for the journal SCIENCE

Reviewer for the journal Physical Review D

INTERVENTI A CONFERENZE

- **ICHEP 2020**
28 July 6 Aug 2020, Prague
Contributo: Latest results on rare kaon decays from the NA48/2 experiment at CERN
- **Les Rencontres de Physique de la Vallée d'Aoste**
25 February to 3 March 2018 La Thuile, Aosta Valley, Italy
Contributo: Probing the dark sector with PADME
- **Workshop on "Flavour changing and conserving processes" 2017 (FCCP2017)**
7-9 September 2017 Villa Orlandi, Anacapri, Capri
Contributo: Status of Padme experiment and review on dark photon searches
- **Light Dark Matter @ Accelerators (LDMA)**
24-28 May 2017 la Biodola Isola d'elba.
Contributo: Search for the dark photon at NA48 & NA62
Contributo: Summary talk of the dark photon Invisible decays Session
- **KAON 2016 conference**
14-17 September 2016 School of Physics and Astronomy, University of Birmingham
Contributo: Search for Dark photon at NA48, and measurement of pi0 form factor
- **Les Rencontres de Physique de la Vallée d'Aoste 2015**
1-7 March 2015 La Thuile, Aosta Valley, Italy
Contributo: NA48/2 studies of rare decays
- **BEACH 2014**
University of Birmingham (United Kingdom) on 21–26 July 2014
Contributo: QCD tests with kaons
- **PhiPsi 2013: International workshop on e⁺e⁻ collisions from Phi to Psi.**
Università La Sapienza 9th-12th September 2013
Contributo: Recent result from NA48/2
Poster: Tests of chiral perturbation theory with K[±]_{e4} and K⁰⁰_{e4} decays at CERN NA48/2 experiment.
- **Kaon 2013**
29th April 1st May 2013, University of Michigan, Ann Arbor (USA)
Contributo: High Precision Measurement of the Form Factors of the Semileptonic Decays K[±]→π⁰ℓ[±]ν at NA48/2
- **Quark Confinement and the Hadron Spectrum X**
8–12 October 2012, Technische Universität München (Germany)
Contributo: ChiPT tests at NA62
- **TWEPP 2011, Topical Workshop on Electronics for Particle Physics 2011**
26th-30th September 2011, Vienna, Austria
Poster: The NA62 LAV front-end electronics
- **HEP-MAD 11 5th High-Energy Physics International Conference**
25-31th August 2011 - Ministry of Foreign Affairs Antananarivo (Madagascar)
Contributo: The NA62 experiment at CERN and the measurement of the ultra-rare decay K⁺→π⁺νν
- **XIX International Workshop on Deep-Inelastic Scattering and Related Subjects**
Marriott at City Center Newport News, VA USA April 11th-15th, 2011

- Contributo: Searches for lepton flavor and lepton number violation in kaon decays at CERN
- **Chiral 2010 WORKSHOP**
Valencia (Spain), June 21st-24th, 2010
Contributo: Precision measurements of Kaon radiative decays at NA48/2
 - **XVIII International Workshop on Deep-Inelastic Scattering and Related Subjects**
Convitto della Calza, Firenze, 19th - 23th April 2010
Contributo: Measurement of $BR(K^+ \rightarrow e^+ \nu) / BR(K^+ \rightarrow \mu^+ \nu)$ with NA62
 - **XLIIIth Rencontres de Moriond QCD and High Energy Interactions**
La Thuile from Saturday, March 14th to Saturday, March 21st, 2009
Contributo: Recent NA48 results
 - **PANIC 08 18th International Conference on Particles And Nuclei**
9th to 14th November 2008, Eilat, Israel.
Contributo: The NA62 Rare Kaon Decay Experiment Photon Veto System
 - **Crete 08 9th International Conference on Applications of Nuclear Techniques**
8th-14th June 2008, Rithymna, Crete Greece
Contributo: Prototype Large-Angle Photon Veto Detectors for the NA62 Experiment at CERN
 - **PHI PSI 08 International Workshop on e+e- collisions from Phi to Psi**
7th – 10th April 2008, Laboratori Nazionali di Frascati, Italy
Contributo: Recent results of the NA48/2 experiment
 - **The XLIInd Rencontres de Moriond Electroweak Interactions and Unified Theories**
March 10th to March 17th, 2007, La Thuile Italy.
Contributo: Recent results of the NA48 experiment
 - **FlaviaNet Mini-Workshop on Kaon Decays**
Laboratori Nazionali di Frascati, 18th-19th May 2007
Contributo: Measurement of DE and INT in $K^\pm \rightarrow \pi^\pm \pi^0 \gamma$ with NA48/2
 - **BEACH 2006 The 7th International Conference on Hyperons, Charm And Beauty Hadrons**
2nd to 8th July 2006 University of Lancaster, England.
Contributo: Highlights on rare charged kaon decays
 - **XC Congresso Nazionale Società Italiana di Fisica,**
Brescia, 20-25 Settembre 2004
Contributo: Decadimenti radiativi non leptonic: $K^\pm \rightarrow \pi^\pm \pi^0 \gamma$
 - **5th Rencontres du Vietnam: Particle Physics and Astrophysics**
Hanoi August 5th to August 11th, 2004
Contributo nella sezione di CP violation: “Na48/1 K_s rare decays and Hyperons”

ORGANIZZAZIONE DI CONFERENZE E WORKSHOP

- **Light Dark Matter at Accelerators 2019 (LDMA 2019)**
Venice (Italy) on November 20-22 2019
Membro del Local Organizing Committee
- **Light Dark Matter at Accelerators 2017 (LDMA 2017)**
Elba Island (Italy) on May 24-28 2017
Membro del Local Organizing Committee
- **Advances in Dark Matter and Particle Physics 2016**
October 23-27 2016 Messina (Italy)
Membro dell'international Advisory Committee e del Local Organizing Committee
- **Challenges in the Dark Sector: Alternative to the WIMP paradigm**
December 16-18 2015 Laboratori Nazionali di Frascati Italy
Membro del Local Organizing Committee

TALK SU INVITO

- **Menu 2019 Workshop**
1-7 June 2019 Carnegie Mellon University
Contributo: Searching for light dark matter at accelerators
- **Illuminating Dark Matter** (Simons Foundation symposium)
May 13 - 19, 2018, Schloss Elmau, Elmau Germany
Contributo: Searching for Light Dark Matter with Positron Beams
- **U.S. Cosmic Visions: New Ideas in Dark Matter**
23-25 March 2017 Stamp Student Union, University of Maryland, College Park
Contributo: The PADME experiment
- **Advances in Dark Matter and Particle Physics 2016**
October 23-27 2016 Messina (Italy)
contributo: PADME at LNF
<http://newcleo.unime.it/Events/ADMPP2016/>
- **Dark Sectors 2016 Workshop**
April 28-30, 2016 SLAC National Accelerator Laboratory Menlo Park, California
contributo: The PADME experiment at LNF
- **IAXO workshop**
Frascati 18-19 Aprile 2016
contributo: The PADME experiment
- **Light Dark Matter search at Accelerators**
Camogli, Italy, June 24-26, 2015
contributo: The PADME experiment at LNF
<http://ldma2015.ge.infn.it/LDMA2015/Program.html>
- **What next LNF: Perspectives of fundamental physics at the Frascati Laboratory**
Frascati 10-11 November 2014
Contributo: “PADME dump”
- **International Conference Dark Matter, Hadron Physics and Fusion Physics**
Messina (Italy) - September 24-26, 2014
Contributo: “The PADME project at DAFNE BTF”
- **INFN Long Term Strategy CSN1**
La Biodola 22/05/2014
Contributo: “PADME project at DAFNE BTF”
<https://agenda.infn.it/conferenceDisplay.py?confId=8132>

SEMINARI SU INVITO

- **The PADME experiment at LNF**
University of Sofia 26/02/2018
- **The PADME experiment at DAFNE Linac**
HEP phenomenology joint Cavendish-DAMTP seminar
Friday 13 May 2016 <http://talks.cam.ac.uk/talk/index/64769>
- **Seminaires de physique experimentale LAPP: “The PADME experiment at LNF”**
LAPP Annecy 22 Gennaio 2016 <https://indico.in2p3.fr/event/12453/>
- **Seminario Torino: “PADME project at DAFNE BTF”**
INFN sezione di Torino 13 Aprile 2015
- **Seminario Perugia: “PADME project at DAFNE BTF”**
INFN sezione di Perugia 9 marzo 2015
- **LNF Seminar: U Boson Search at BTF**
Laboratori Nazionali di Frascati 25/02/2014
<https://agenda.infn.it/conferenceDisplay.py?confId=7604>

PARTECIPAZIONE A CONFERENZE O WORKSHOP

- **Kaon 2019**
10-13 September 2019 University of Perugia (Italy)
- **PADME kick-off meeting**
20-21 April 2015 Laboratori Nazionali di Frascati
Contributo: "Searches in decay to invisibles: simulations, layout and sensitivity"
Contributo: "Calorimeter"
Contributo: "Dump experiment, decay to visibles: simulations, layout, sensitivity"
Contributo: "TDAQ first ideas"
- **Kaon 2007**
Frascati May 21-25, 2007.
- **Kaon 2005 International Workshop**
Chicago, June 13Th-17Th, 2005
- **K-RARE decays 2005 Workshop,**
Frascati, May 26Th-27Th 2005
- **XI International Conference on Calorimetry in High Energy Physics - CALOR2004**
Perugia, March 29Th - April 2nd, 2004

CONOSCENZE LINGUISTICHE

Ottima conoscenza della lingua Inglese sia parlata che scritta.
Conoscenza di base della lingua Francese parlata (CDE A2).

Elenco delle pubblicazioni Prof. M. Raggi Sorgente Scopus 01/2021

- **An investigation of the very rare $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ decay**
Cortina Gil, E., et al.
Journal of High Energy Physics, 2020, 2020(11), 42
- **Search for heavy neutral lepton production in K^+ decays to positron**
Cortina Gil, E. et al
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135599
- **Characterisation and performance of the PADME electromagnetic calorimeter**
Albicocco, P. et al.
Journal of Instrumentation, 2020, 15(10), T10003
- **$K^+ \rightarrow \pi^+ \nu \bar{\nu}$ decay and NP searches at Na62**
Acta Physica Polonica B, Proceedings Supplement 2020 | journal-article
DOI: [10.5506/APhysPolBSupp.13.95](https://doi.org/10.5506/APhysPolBSupp.13.95)
EID: 2-s2.0-85079273028
Parte di ISBN: 18992358
- **The NA62 experiment at CERN: Status and perspectives**
12th Conference on Flavor Physics and CP Violation, FPCP 2014
2020 | conference-paper
EID: 2-s2.0-85085773110

- **Characterization and performance of PADME's Cherenkov-based small-angle calorimeter** *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment* 2019 | journal-article
DOI: [10.1016/j.nima.2018.12.035](https://doi.org/10.1016/j.nima.2018.12.035)
EID: 2-s2.0-85058804765

- **First observation and study of the $K^\pm \rightarrow \pi^\pm \pi^0 e^+ e^-$ decay** *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics* 2019 | journal-article
DOI: [10.1016/j.physletb.2018.11.046](https://doi.org/10.1016/j.physletb.2018.11.046)
EID: 2-s2.0-85058955739
Parte di ISBN: 03702693

- **First search for $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ using the decay-in-flight technique** *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics* 2019 | journal-article
DOI: [10.1016/j.physletb.2019.01.067](https://doi.org/10.1016/j.physletb.2019.01.067)
EID: 2-s2.0-85062332112
Parte di ISBN: 03702693

- **Latest results from NA62** *Proceedings of Science* 2019 | conference-paper
EID: 2-s2.0-85076423543
Parte di ISBN: 18248039

- **Recent results in kaon physics** *Proceedings of Science* 2019 | conference-paper
EID: 2-s2.0-85085739869
Parte di ISBN: 18248039

- **Recent results on Kaon decays from NA48/2** *Proceedings of Science* 2019 | conference-paper
EID: 2-s2.0-85076431367
Parte di ISBN: 18248039

- **Search for production of an invisible dark photon in π^0 decays** *Journal of High Energy Physics* 2019 | journal-article
DOI: [10.1007/JHEP05\(2019\)182](https://doi.org/10.1007/JHEP05(2019)182)
EID: 2-s2.0-85066479984
Parte di ISBN: 10298479 11266708

- **Searches for heavy neutral lepton production and lepton flavor violation in kaon decays at the NA62 experiment** *Proceedings of Science* 2019 | conference-paper
EID: 2-s2.0-85083419845
Parte di ISBN: 18248039

- **Searches for lepton number violating K^+ decays** *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics* 2019 | journal-article
DOI: [10.1016/j.physletb.2019.07.041](https://doi.org/10.1016/j.physletb.2019.07.041)
EID: 2-s2.0-85069869698
Parte di ISBN: 03702693

- **Searching for Light–Dark Matter with Positron Beams**
Astrophysics and Space Science Proceedings
 2019 | conference-paper
 DOI: [10.1007/978-3-030-31593-1_14](https://doi.org/10.1007/978-3-030-31593-1_14)
 EID: 2-s2.0-85076953746
Parte di ISBN: 15706605 15706591

- **The integrated low-level trigger and readout system of the CERN NA62 experiment**
Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment 2019 | journal-article
 DOI: [10.1016/j.nima.2019.03.012](https://doi.org/10.1016/j.nima.2019.03.012)
 EID: 2-s2.0-85063073400
Parte di ISBN: 01689002

- **The RICH detector of the NA62 experiment at CERN**
2019 IEEE Nuclear Science Symposium and Medical Imaging Conference, NSS/MIC 2019
 2019 | conference-paper
 DOI: [10.1109/NSS/MIC42101.2019.9059969](https://doi.org/10.1109/NSS/MIC42101.2019.9059969)
 EID: 2-s2.0-85083549409

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EID: 2-s2.0-33744928353

Autorizzo il trattamento dei miei dati personali ai sensi della legge 675/96.

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Il sottoscritto consapevole delle sanzioni penali previste dall'art. 76 del D.p.r. 445/2000, nel caso di mendaci dichiarazioni, falsità negli atti, uso o esibizione di atti falsi o contenenti dati non più rispondenti a verità, dichiara di essere in possesso di tutti i titoli dichiarati nel proprio curriculum vitae.

DICHIARAZIONI SOSTITUTIVE DELL'ATTO DI NOTORIETA'

Il sottoscritto dichiara inoltre ai sensi dell'art. 47 D.P.R. n.445/2000 che tutte le dichiarazioni rese all'interno del proprio curriculum vitae sono conformi a verità.

Luogo e data

Roma, 1 Gennaio 2021

Firma

