

# Vieri Candelise

**CURRICULUM VITAE** 

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I was born in Cosenza, Italy, on the 23rd of February, 1987. Since 2010, I am associated to the research activities of CERN and INFN. I am a member of the CMS Collaboration at CERN since 2011. I collaborate with the International Muon Collider Collaboration since 2020.

## WORK EXPERIENCE

- Abilitazione Scientifica Nazionale I Fascia obtained on 08/07/2024
   Professore Ordinario, Sector 02/A1, Experimental Physics of Fundamental Interactions
- Abilitazione Scientifica Nazionale II Fascia obtained on 05/10/2018
   Professore Associato, Sector 02/A1, Experimental Physics of Fundamental Interactions
- Senior Faculty Researcher (RTDb) 01/10/2022 ongoing University of Trieste
- Junior Faculty Researcher (RTDa) 01/12/2017 02/10/2022 University of Trieste
- Post-doctoral Researcher 01/02/2016 30/11/2017
   National Central University of Taiwan 國立中央大學
- Assegno di Ricerca INFN 01/02/2014 01/02/2016 University of Trieste
- CERN Associate 01/07/2014 01/07/2015
   Geneva, Switzerland

### **EDUCATION**

- Ph.D. in Particle Physics 2011-2014, obtained on March 14th, 2014
   University of Trieste. Relatori: Prof. G. Della Ricca, Dr. F. Cossutti.

   Title: Measurement of the associated production of a Z boson and b quarks at 8 TeV with the CMS experiment.
- Master Degree in Nuclear and Subnuclear Physics 2008-2010
   University of Rome "La Sapienza". Relatori: Prof. C. Dionisi, Stefano Giagu Rank: 110/110 cum laude.

Title: Study of the muon trigger algorithms of the ATLAS experiment with early LHC data

Bachelor Degree in Physics — 2005-2008
 University of Rome "La Sapienza". Relatori: Prof. C. Dionisi Title: Oscillation and Regeneration of Neutral Kaons

# INTERNATIONAL RESEARCH RESPONSIBILITIES

- Coordinator (Convener) 2023, ongoing (2 years mandate)
   LHC Electroweak Working Group at CERN
- Coordinator (Convener) 2020-2023 (3 years mandate)
   Standard Model Vector Bosons plus Jets physics group of the CMS experiment at CERN
- Coordinator (Convener) 2019-2021 (2 years)
   LHC Electroweak Working Group Jets and Bosons physics group at CERN
- Coordinator (Convener) 2018-2020 (2 years)
   Physics Comparisons and Generator Tunes group of the CMS experiment at CERN
- Generators Expert (Contact Person) 2014-2017 (3 years)
   Standard Model, Beyond-two-Generations and Muon groups of the CMS experiment
- Shift Leader and Technical Shifter at the CMS Experiment (from 2023) at CERN

# NATIONAL ACADEMIC RESPONSIBILITIES

- Membro del Gruppo Esperti Valutazione (GEV) dell'ANVUR, selezionato a marzo 2024.
   Mandato di due anni per la valutazione della VQR 2020-2024 (Ministero della Ricerca)
- Valutatore di panel d'area (VPA) for the CVR (Commissione per la Valutazione della Ricerca), campagna 2023 - appointed by University of Trieste for the Department of Physics, September 2023
- Membro della Task force for the web development for the Department of Physics at University of Trieste - Dipartimento di Eccellenza

# AWARDS, FUNDINGS AND INTERNATIONAL PROJECTS

- PRIN Associate Investigator, local PI 2021, University of Trieste
   Progetto di Ricerca di Rilevante Interesse Nazionale: PINCH: Precision tlming in the quest
   for New physiCs at LHC, ERC subfields PE2<sub>2</sub>, PE2<sub>3</sub>. 2022 (awarded, score 98/100)
- Microgrants Award 2020, University of Trieste funded on the project Measurement of the Z(invisible)+photon cross section and search for new physics through the anomalous invisible triple gauge couplings at 13 TeV with the CMS experiment at CERN (awarded)
- FRA Award 2020, University of Trieste funded on the project "Measurement of the W/Z+photons cross section and search for new physics through the anomalous invisible triple gauge couplings at 13 TeV with the CMS experiment at CERN" (awarded)
- PRIN Associate Investigator, local PI 2021, University of Trieste
   Progetto di Ricerca di Rilevante Interesse Nazionale: Cutting edge Machine Learning

- algorithms for jet substructure in the search for new physics at the LHC and Muon Collider, ERC subfields PE2<sub>1</sub>, PE2<sub>2</sub>. 2021 (not selected)
- PRIN Associate Investigator, local PI 2017, University of Trieste
   Progetto di Ricerca di Rilevante Interesse Nazionale: HIT: Frontier Higgs Physics at the
   Large Hadron Collider with High precision Timing Sensors and Advanced Methods, ERC
   subfields PE2<sub>1</sub>, PE2<sub>2</sub>. 2017 (not selected)

## EDITORIAL BOARD AND COMMITTEES

- Referee of the European Physics Journal C, EPJC (4 reviews)
- Referee of the Journal Nuclear Inst. and Methods in Physics Research, A (2 reviews)
- Referee of the Scientific Evaluation Board of the FNRS Belgium (4 reviews)
- Member of the Scientific Committee of the international conference QCD@LHC 2024
- Editorial Board of the Proceedings of Science of the 2023 Edition of WIFAI Workshop Italiano sulla Fisica ad Alta Intensità
- Member of the Scientific Committee of the national conference *WIFAI Workshop on status and perspectives of physics at high intensity* editions: 2023 (Rome), 2024 (Bologna)
- Member of *Collegio Fonda* Selection Board for exceptional students of the Master Degree Program at the University of Trieste (2021 and 2022)
- Referee of the PhD thesis by Andrea Piccinelli, Università di Perugia, XXXV Ciclo, 2023
- Principal Editor of more than 10 CMS Analysis Notes
- Selected Member of the CMS Analysis Review Committee (10 reviews)

## TALKS AT INTERNATIONAL CONFERENCES

- 1. Sfântu Gheorghe, Romania, **invited plenary** talk "Standard Model results at the LHC" at *Trends2024: New Trends in High Energy Physics* International Conference September 1st, 2024
- 2. Durham, UK, **invited plenary** talk "Vector Boson and Heavy Flavours" at the LHC" at *QCD* @ *LHC* International Conference September 8th, 2023
- 3. Hamburg, Germany, **parallel** talk "Associated production of a vector boson and heavy flavours at CMS" at the *European Physical Society EPS-HEP* International Conference, August 24th, 2023
- 4. Manchester, UK, **invited plenary** talk "High Momentum QCD at the LHC" at *Lepton-Photon Interactions International Conference* —- January 15, 2022

- 5. Manchester, UK, poster "potential for H -> μμ at a Muon Collider" at *Lepton-Photon Interaction* International Conference January 15, 2022
- 6. Isola d'Elba, **plenary** talk "V+jets physics at CMS" at the *Low-x* International Conference, September 27, 2021
- 7. Hamburg, poster "Prospect for the measurement of H->µµ at a 3 TeV Muon Collider" at the 2021 edition of the *European Physical Society (EPS)* conference (virtual conference).
- 8. University of Edinburgh (Scotland): **invited plenary** talk "LHC experimental results on the associated production of electroweak bosons and jets'" at the "*Resummation, Evolution, Factorization*" Conference at the Higgs Centre for Theoretical Physics (virtual conference). December 7, 2020.
- 9. Italy: **invited plenary** "Electroweak bosons physics at the LHC" at *Italian Physical Society* national meeting 2020 (virtual conference). —September 18, 2020.
- 10.University of Prague (Czech Republic): **plenary** talk "Monte Carlo Modeling and Tuning in CMS" at *MPI 2019* International Conference. May 4-8, 2019.
- 11. University of Pittsburgh (USA): **plenary** talk "Electroweak Physics with Single and Multiboson final states at CMS" at *Phenomenology 2019* International Conference. May 4-8, 2019.
- 12.Kobe University (Japan): **invited plenary** talk "Collider studies on jet and heavy flavour properties at ATLAS, CMS, ALICE and LHCb" at *XXVI International Workshop on Deep Inelastic Scattering and Related Subjects.* April 16-20, 2018.
- 13. University of Alberta (Canada): **plenary** talk "Search for diboson resonances at CMS" at *Lake Louise* 2017. February 19-26, 2017.
- 14. Tamkang University, Tamsui (Taiwan): **plenary** talk "Search for HH resonances at CMS" at PSROC 2017: Annual Meeting of the Physical Society of the Republic of China. January 16-18, 2017.
- 15. Zurich (Switzerland): **plenary** talk "Search for New Resonances Decaying to Boosted Higgs Signatures at CMS" at BOOST 2016. July 18-22, 2016.
- 16. Wildbad Kreuth, Munich (Germany): **plenary** talk "V+jets studies in ATLAS and CMS" at the XLV International Symposium on Multi Particle Dynamics (ISMD2015). September 28 October 5, 2015.
- 17. Saint Petersburg (Russia): **plenary** talk "V+jets at CMS" at LHCP2015. August 31-September 5, 2015.
- 18. Birmingham (UK): **plenary** talk "Study of heavy flavour and vector bosons associate production at CMS" at BEACH2014. —July 21, 2014.
- 19. L'Aquila (Italy): **plenary** talk for the 2014 Incontri di Fisica delle Alte Energie (IFAE) National Congress, talk title: "Associated production of W,Z bosons and heavy flavours at CMS". April 9, 2014.
- 20. La Thuile, Aosta Valley (Italy): **plenary** talk "W and Z studies at CMS" at the 27`eme Rencontres de Physique de la Vall´ee d'Aoste. February 24th, 2013.
- 21. L'Aquila, Italy: **plenary** talk "Misura della sezione d'urto inclusiva dei bosoni W e Z a

- CMS" for the XCVII Italian Physics Society (SIF) National Congress.
- 22. Uppsala University. **Invited seminar** "Standard Model Physics with V+Jets in CMS" at the Uppsala University, —June 2020 (postponed due to pandemic emergency).
- 23. Stockholm University and KTH Royal Institute **Invited seminar** "Standard Model Physics with V+Jets in CMS" —June 2020 (postponed due to pandemic emergency).

# ORGANIZATION OF CONFERENCES AND WORKSHOPS

- 1. Organizer, chair and convener of the 2024 edition of the *LHC Electroweak Working Group Workshop*, February 27th, 2024 (about 100 participants from the ATLAS, CMS, LHCb, ALICE Collaborations and the CERN Theory Division)
- 2. Convener of the "Perturbative QCD" Session of the QCD@LHC 2024 Conference, Freiburg University, Germany
- 3. Convener of the "Dark Sector" Session of the WIFAI 2024 Conference, Università di Bologna, Italy
- 4. Organizer, chair and convener of the first two editions of the LHC-Electroweak Topical Workshop on Vectors Boson plus Heavy Flavours physics, three-days workshop held at CERN March-April 2020/2021 (more than 50 participants)
- 5. Convener of the "Rare Decays" Session of the WIFAI 2023 Conference, Università di Roma 3, Italy
- 6. Organizer, chair and convener of the first two editions of the Theory+Experiment Forum on V+jets physics, to be held at CERN February-March 2022, March 2023 (more than 50 participants)
- 7. Organizer and chair of the Vector Bosons plus jets bi-weekly meetings within the Standard Model Physics group at CERN (more than 20 meetings)
- 8. Organizer and chair of the LHC-Electroweak Jets and Bosons theory-experiment cross meetings and workshops at CERN during the period 2019-2021 (more than 10 workshops)
- 9. Organizer and chair of the Physics Comparisons and Generator Tunes meetings within the Monte Carlo Generators group of the CMS experiment at CERN (more than 20 meetings)

#### **TEACHING**

# Corso di Laurea Triennale

- 1. Titolare del Corso "Fisica I", University of Trieste, Department of Engineering, CdL Ingegneria Civile, Ambientale, Biomedica, Elettronica e Informatica. AA: 2023/24. average global student's evaluation (question D12 "è complessivamente soddisfatto di come è stato svolto questo insegnamento?" from University of Trieste Evaluation System): 7.96/10
- 2. Co-Titolare del Corso "Introduzione alla Fisica Nucleare e Subnucleare", CdL in Fisica, University of Trieste, Department of Physics.AA: 2023/24, 2022/23, 2021/22, 2020/21,

- 2019/20. average global student's evaluation (question D12 "è complessivamente soddisfatto di come è stato svolto questo insegnamento?" from University of Trieste Evaluation System): 7.3/10
- 3. Titolare del Corso "Fisica, Statistica e Informatica", University of Trieste, Department of Medicine. Academic Years: 2023/24, 2022/23, 2021/22, 2020/2021, 2019/2020, 2018/2019. average global student's evaluation (question D12 "è complessivamente soddisfatto di come è stato svolto questo insegnamento?" from University of Trieste Evaluation System): 7.7/10
- 4. Co-Titolare del corso "Laboratorio III", CdL in Fisica, University of Trieste, Department of Physics. Academic Years: 2020/2021, 2019/2020, 2018/2019, 2017/2018. average global student's evaluation (question D12 "è complessivamente soddisfatto di come è stato svolto questo insegnamento?" from University of Trieste Evaluation System): 8.9/10
- 5. Co-Titolare del corso "Fisica Biomedica", CdL in Medicina e Odontoiatria, University of Trieste, Department of Medicine, A.A 2022/23 average global student's evaluation (question D12 "è complessivamente soddisfatto di come è stato svolto questo insegnamento?" from University of Trieste Evaluation System): 7.5/10

# Ph.D. Program in Physics

 Titolare del Corso - "Statistical Methods and Phenomenology of New Physics Searches at LHC" Ph.D. Lectures, University of Trieste, Department of Physics.
 AA: 2023/24 (XXXIX Cycle) 2022/23 (XXXVIII Cycle) 2021/22 (XXXVII Cycle)2020/21 (XXXVII Cycle)2019/2020 (XXXV Cycle) 2018/2019 (XXXIV Cycle).

# International Physics Schools

7. Titolare del corso - "Drell-Yan Processes in Monte Carlo Simulations" at the International School on data analysis DASia, organized by CERN at the National Central University of Taiwan in Taipei, Taiwan, 2016.

## SUPERVISION OF THESIS AND MENTORING

# Ph.D. in Physics

- 1. Supervisor of the Ph.D. of Raffaele Delli Gatti (University of Trieste, XXXIX Cycle) 2023-2026 (ongoing)
- 2. Supervisor of the Ph.D. of Giulia Sorrentino (University of Trieste, XXXV Cycle) —2019-2022 Defended in 2022 [https://pubblicazioni.dsi.infn.it/tesi/gettesi.php?filename=532428.pdf]
- 3. Co-Supervisor of the Ph.D. of Yu-Hsiang Chang (National Central University of Taiwan) Defended in 2017
- 4. Co-Supervisor of the Ph.D. of Chiara La Licata, University of Trieste, Italy Defended in 2015 [link: <a href="https://pubblicazioni.dsi.infn.it/dettaglioTesi.php?tid=9014">https://pubblicazioni.dsi.infn.it/dettaglioTesi.php?tid=9014</a>]

# **Master Degree in Physics**

- 5. Supervisor of the Master Thesis by Francesca Fiore (University of Trieste) 2024/25 (ongoing)
- 6. Supervisor of the Master Thesis by Giulia Liberalato (University of Trieste) 2024/25 (ongoing)
- 7. Supervisor of the Master Thesis by Tiziano Pauletto (University of Trieste) 2024 [link:https://pubblicazioni.dsi.infn.it/tesi/gettesi.php?filename=532264.pdf]
- 8. Supervisor of the Master Thesis by Raffaele Delli Gatti (University of Trieste) 2023 [link:https://pubblicazioni.dsi.infn.it/tesi/gettesi.php?filename=533358.pdf]
- 9. Supervisor of the Master Thesis by Alessandro Montella (University of Trieste) 2021 [link: [https://pubblicazioni.dsi.infn.it/dettaglioTesi.php?tid=531188]
- 10. Supervisor of the Master Thesis by Giulia Sorrentino (University of Trieste) now Ph.D. student at University of Trieste. 2019 [link: <a href="https://pubblicazioni.dsi.infn.it/dettaglioTesi.php?tid=13728">https://pubblicazioni.dsi.infn.it/dettaglioTesi.php?tid=13728</a>]
- 11. Supervisor of the Master Thesis by Ksenia de Leo (University of Trieste) now Ph.D. fellow at University of Hamburg. 2018 [link: <a href="https://pubblicazioni.dsi.infn.it/dettaglioTesi.php?tid=12852">https://pubblicazioni.dsi.infn.it/dettaglioTesi.php?tid=12852</a>]
- Co-Supervisor of the Master Thesis by Andrea Turcati, Academic Year University of Trieste, Italy — 2013/14 [link: https://pubblicazioni.dsi.infn.it/dettaglioTesi.php?tid=8983]
- 13. Co-Supervisor of the Master Thesis by Francesco Peri, University of Trieste, Italy 2014/15 [link: <a href="https://pubblicazioni.dsi.infn.it/dettaglioTesi.php?tid=9970">https://pubblicazioni.dsi.infn.it/dettaglioTesi.php?tid=9970</a>]

## **Bachelor Degree in Physics**

- 14. Supervisor of the Bachelor Thesis by Sebastiano Pian (University of Trieste) —2024 [link: <a href="https://pubblicazioni.dsi.infn.it/tesi/dettaglioTesi.php?tid=10953">https://pubblicazioni.dsi.infn.it/tesi/dettaglioTesi.php?tid=10953</a>]
- 15. Supervisor of the Bachelor Thesis by Nicolò Piazza (University of Trieste) —2023 [link: https://pubblicazioni.dsi.infn.it/tesi/dettaglioTesi.php?tid=10953]
- 16. Supervisor of the Bachelor Thesis by Andrea Segalotti (University of Trieste) 2022 [link: [https://pubblicazioni.dsi.infn.it/tesi/dettaglioTesi.php?tid=532263]
- 17. Co-Supervisor of the Bachelor Thesis by Tiziano Pauletto (University of Trieste) 2022 [link:https://pubblicazioni.dsi.infn.it/tesi/dettaglioTesi.php?tid=532264]
- 18. Supervisor of the Bachelor Thesis by Giulia Liberalato (University of Trieste) 2021 [link:https://pubblicazioni.dsi.infn.it/tesi/dettaglioTesi.php?tid=531214]
- 19. Supervisor of the Bachelor Thesis by Alessandro Montella (University of Trieste) 2019 [link: https://pubblicazioni.dsi.infn.it/dettaglioTesi.php?tid=12857]

- 20. Supervisor of the Bachelor Thesis by Samuele Pedrielli (University of Trieste) 2021 [link: <a href="https://pubblicazioni.dsi.infn.it/dettaglioTesi.php?tid=528936">https://pubblicazioni.dsi.infn.it/dettaglioTesi.php?tid=528936</a>]
- 21. Co-Supervisor of the Bachelor Thesis by Federico Vazzoler, University of Trieste, Italy 2013/14

[link: <a href="https://pubblicazioni.dsi.infn.it/dettaglioTesi.php?tid=9823">https://pubblicazioni.dsi.infn.it/dettaglioTesi.php?tid=9823</a>]

22. Co-Supervisor of the Bachelor Thesis by Alessandro Angioi, Academic Year University of Trieste, Italy —2012/13

[link: <a href="https://pubblicazioni.dsi.infn.it/dettaglioTesi.php?tid=7008">https://pubblicazioni.dsi.infn.it/dettaglioTesi.php?tid=7008</a>]

# Tirocini Formativi Triennali e Magistrali

I supervised more than 20 students at bachelor and master level.

## OUTREACH AND SCIENCE COMMUNICATION

- Speaker for the SUMO SCIENCE international event in Trieste for Trieste NEXT and Sharper 2024
- 2. Co-organizer of several events for Trieste NEXT and Sharper Notte Europea dei Ricercatori, 2024
- 3. Co-organizer of several events for Trieste NEXT and Sharper Notte Europea dei Ricercatori, 2023
- 4. PCTO project jointly with Liceo Vedramini di Pordenone, University of Trieste and INFN for a total 12 hours, Sept. 2023
- 5. Organizer of "Ludoteca delle Particelle" event for the 2023 edition of Researcher's Night at Immaginario Scientifico, Trieste, Sept. 2023
- 6. Speaker for Sharper project "Verso l'Infinitamente Piccolo" for secondary schools in Trieste: Liceo Oberdan, Liceo Volta, Liceo Galilei (3h lessons each, total of 4 lectures)
- 7. Speaker at the the Sharper 2021 European Researcher's Night Public Seminar
- 8. CERN Virtual Visit event for the public in Trieste, Casa Della Musica, 2021.
- 9. Organizer of the 2022 edition of the CERN Visit for master and bachelor students, University of Trieste and CERN.
- 10. Co-organizer of the 2018, 2022 editions of the CERN Visit for master and bachelor students. University of Trieste and CERN.
- 11. 8Lecturer and tutor for the 2012, 2018, 2022 edition of CERN-INFN Masterclass sessions for high school students. Tutor for the 2014, 2015 editions.
- 12. Local Coordinator for the European outreach project Pint Of Science in Trieste, from

2019 (ongoing).

- 13.Local Coordinator of the Sharper 2020 European Researcher's Night CERN Virtual Visit event for the INFN Trieste and UniTS, 2020.
- 14. Invited Speaker for a public talk on particle physics at the Caffè dei Quanti outreach event in Trieste, 2020.
- 15. Finalist of the regional selection of FameLab 2020 international outreach competition, 2020.
- 16.Co-organizer of the 2018 edition of European Researcher's Night in Trieste within INFN and CERN, 2018.
- 17. Official guide for the INFN activities Open Days 2018 at Area di Ricerca, Padriciano, 2018.
- 18.Invited Speaker for a public talk on particle physics for the Pint Of Science European event in Trieste, Pub Grande Buffo, 2018.
- 19.Local Coordinator for the Particle Physics Stand in the 2013 edition of the European Researcher's Night in Trieste, Italy, 2013.
- 20. Official Underground Guide for public visits at the CMS experiment and CERN.

# FULL LIST OF PUBLICATIONS AND BIBLIOMETRICS

As a member of the CMS Collaboration, I signed more than 900 publications.

• Indexed Publications:

total publications: 987 (from Web Of Science) - total citations: 38368 (from Web Of Science)

average citations: 45.27 (from Web Of Science) h-index: 90 (from Web Of Science)

Full list of publications: <a href="http://inspirehep.net/search?&p=vieri+candelise">http://inspirehep.net/search?&p=vieri+candelise</a>. HepNames summary: <a href="http://inspirehep.net/author/profile/V.Candelise.1">http://inspirehep.net/search?&p=vieri+candelise</a>. HepNames summary: <a href="http://inspirehep.net/author/profile/V.Candelise.1">http://inspirehep.net/search?&p=vieri+candelise</a>.

### NON-ACADEMIC

Outside the walls of Academia, I'm a guitarist, flautist and drummer. I performed in live shows with several bands in Italy and Switzerland (*Laser Orchestra, Anna and the Lasers, The Sprawl, IMS Trieste end of the year shows*). I had a theater play experiences at the University of Geneva within the "Ghiribizzo" company (*I Giganti della Montagna, by L.Pirandello*). I am a post-punk, modern art, surrealism and abstract art lover. I am also deeply passionate about surrealism in cinema and old movies. I am engaged in a Science communication and outreach mission.

Appendix A: list of the publications where I was selected as member of the Analysis Review Committee by the CMS Collaboration at CERN

- 1. Upsilon (nS) in pp and pPb at 5.02 TeV
- 2. Search for W boson decays to three charged pions
- 3. High-pt jet measurements at HL-LHC (not accepted)
- 4. Precision measurement of the Z invisible width at 13 TeV
- 5. Zgamma vector boson scattering
- 6. Search for ZZ VBS in the 4I + 2j final state with full Run2
- 7. Differential jet production cross-section as a function of jet mass and pT in Z+jet (not accepted)
- 8. Measurement of exclusive Upsilon photoproduction in pPb collision at 8.16 TeV (not accepted)
- 9. Search for a resonance around 28 GeV in events with 2 muons + b jet
- 10. Measurement of event shapes in minimum bias events' (not accepted)

# Appendix B: year-by-year student evaluation from SISValDidat University System Database

question D12 (Sei globalmente soddisfatto di come è stato svolto questo insegnamento?)

# 2023/24 (RTDb - II anno)

INTRO FISICA NUCLEARE E SUBNUCLEARE	7.18
INGEGNERIA ELETTRONICA E INFORMATICA	7.34
INGEGNERIA CIVILE E AMBIENTALE	7.96
2022/23 (RTDb - I anno)	
INTRO FISICA NUCLEARE E SUBNUCLEARE	7.14
FISICA, STATISTICA E INFORMATICA (CdS Igiene)	7.45
FISICA MEDICA (CdS Medicina)	7.55
FISICA APPLICATA (CdS Odontoiatria)	7.13
2021/22 (RTDa - IV anno)	
INTRO FISICA NUCLEARE E SUBNUCLEARE	8.06
FISICA, STATISTICA E INFORMATICA (CdS Igiene)	7.22
2020/21 (RTDa - III anno)	
INTRO FISICA NUCLEARE E SUBNUCLEARE	8.65
FISICA, STATISTICA E INFORMATICA (CdS Igiene)	7.01
2019/20 (RTDa - II anno)	
INTRO FISICA NUCLEARE E SUBNUCLEARE	7.46
FISICA, STATISTICA E INFORMATICA (CdS Igiene)	7.72
LABORATORIO III	9.60
2018/19 (RTDa - I anno)	
FISICA, STATISTICA E INFORMATICA (CdS Igiene)	7.26
LABORATORIO III	8.18