

Estremi del bando di selezione	SELEZIONE PUBBLICA PER IL CONFERIMENTO DI N. 1 ASSEGNO DI RICERCA COD. 107A_24 RS: GIULIA MANCA AI SENSI DELLA LEGGE 240/2010	
Informazioni aggiornate al	18/11/2024	
Nome e Cognome	Federica Fabiano	

Si raccomanda di indicare con precisione tutti gli elementi valutabili ai sensi del bando di selezione (aggiungere o togliere righe secondo necessità).

Esperienza professionale

Periodo	Ente	Principali attività e responsabilità
01/10/2021 - 30/09/2024	Università di Cagliari	Titolare di borsa di dottorato fino al 30/09/2024
01/03/2023 - 29/02/2024	CERN	Doctoral Student
6/2021 - 8/2021	CERN	Summer Student

Istruzione, formazione (es. titoli di studio, certificazioni professionali/linguistiche/informatiche)

Data	Titolo / Principali tematiche	Ente
07/11/2022	Inglese C1	Università di Cagliari
01/10/2021 - 30/09/2024	Dottorato in Fisica (conseguimento titolo atteso a Gennaio 2025)	Università di Cagliari
25/05/2021	Laurea magistrale in Fisica	Università La Sapienza, Roma
17/12/2018	Laurea triennale in Fisica	Università La Sapienza, Roma

Pubblicazioni / Convegni

Measurement of the ϕ meson production in fixed-target p Ne collisions at $\sqrt{s_{NN}} = 68.5$ GeV, arXiv:2411.09343, DOI: https://doi.org/10.48550/arXiv.2411.09343
QCD at High Temperatures and Finite Densities: Heavy-Ion Collisions, DOI: 10.5506/APhysPolBSupp.16.8-A11
Exclusive vector meson photoproduction in fixed-target collisions at LHCb, https://www.inf.infn.it/sis/frasca1series/Volume72/Volume72.pdf

<p>Per le pubblicazioni all'interno della collaborazione LHCb (oltre 120), riferirsi a: https://inspirehep.net/literature?sort=mostrecent&size=25&page=1&q=a%20F.Fabiano.1&collaboration=LHCb</p>
<p>9-13/5/2022 - Mini IFT/RTA Workshop - CERN, Geneva - Reconstruction performances in PbSMOG2 collisions</p>
<p>11-15/7/2022 - XX LNF Summer School "Bruno Touschek" in Nuclear, Subnuclear and Astroparticle Physics ai Laboratori Nazionali di Frascati (LNF) - Talk su: Studies of Meson Production in Fixed-Target Collision Data at LHCb</p>
<p>18-19/7/2022 - LHCb Italia, Collaboration Meeting ai Laboratori Nazionali di Frascati (LNF) - Talk plenario su: Recent LHCb Results For Heavy Ions</p>
<p>26-30/9/2022 - Mini IFT/RTA Workshop, CERN, Geneva - Reconstruction performances in Pb-Pb and Pb-SMOG2 collisions</p>
<p>24-28/10/2022 - Excited QCD 2022, International Workshop a Giardini Naxos, Italia - Talk plenario su: QCD at High Temperatures and Finite Densities: Heavy-Ion Collisions - Chair della sessione pomeridiana del 27/10</p>
<p>13-17/2/2023 - Mini IFT/RTA Workshop, University of Santiago de Compostela, Santiago de Compostela, Spain - Development of Central Exclusive Production lines for Pb-Pb and Pb-SMOG2 collisions</p>
<p>30/05-02/06/23 - 27th hackathon on Computing & Software, CERN, Geneva - Implementation of MC event generators for heavy-ion physics</p>
<p>19-23/6/2023 - International Conference on the Initial Stages in High-Energy Nuclear Collisions 2023 a Copenhagen, Denmark - Parallel talk su: New constraints on nucleon structure from LHCb</p>
<p>11-15/12/23 - 28th hackathon on Computing & Software, CERN, Geneva - Implementation of MC event generators for heavy-ion physics</p>
<p>03/07/24 - First ECFA-INFN Early Career Researchers Meeting, Laboratori Nazionali di Frascati (LNF)</p>
<p>6-19/09/23 - European School of High-Energy Physics 2023 a Grenaa, Denmark - Poster su: Fixed-target collisions at LHCb</p>
<p>2-6/09/2024 - 113th LHCb Week al CERN, Geneva - Talk su: Measurement of the ϕ meson production in fixed-target pNe collisions at $\sqrt{s_{NN}} = 68.5$ GeV</p>
<p>16/09/2024 - Mini-workshop on matter-antimatter asymmetry and polarisation in strange hadrons at LHCb, Cagliari, Italy</p>

22-27/09/2024 - 12th International Conference on Hard and Electromagnetic Probes of HighEnergy Nuclear Collisions a Nagasaki, Japan - **Parallel talk** su: Strangeness studies in LHCb fixed-target collisions - **Poster** su: SMOG2: a high-density gas target at the LHCb experiment

18/11/2024 - LHCC 160 Week, CERN, Switzerland - Poster: Measurement of the $\phi(1020)$ meson production in fixed-target p Ne collisions at $\sqrt{s_{NN}}= 68.5$ GeV

Altre attività scientifiche

15/07/2024 - Summer Academy 2024 project in Cagliari, Italy

5-11/02/2024 - Women in Science campaign for LHCb at CERN, Geneva

02/2024 - Present - “Expert “on-call” for maintenance of the VELO system at LHCb including general troubleshooting for the detector on-line operation at CERN, Geneva

11/2023 - Present - LHCb guide for underground visits, CERN, Geneva

3-10/11/2023 - #AskAPhysicist initiative for LHCb at CERN, Geneva

10/2023 - Present - “Shift Leader” expert at LHCb - a responsible for on-line running of the LHCb detector at CERN during continuous data taking of the experiment, CERN, Geneva

03/2023-Present - MC Liaison for the Physics Working Group Ions and Fixed-Target (IFT) at LHCb, CERN, Geneva

21/2/2023 - LHCb Masterclass in Cagliari, Italy

10/2/2023 - LHCb Masterclass for Women and Girls in Science in Cagliari, Italy with INFN Cagliari

24,25/2/2022 - LHCb Masterclass in Cagliari, Italy

7-11/2/2022 - LHCb Masterclass for Women and Girls in Science in Cagliari, Italy with INFN Cagliari

2022 - Present - “Data Manager” expert at LHCb - a responsible for on-line running of the LHCb detector at CERN during continuous data taking of the experiment, CERN, Geneva

2022 - Present - “Expert “on-call” for maintenance of the SMOG2 system at LHCb - including general troubleshooting for the detector on-line operation, CERN, Geneva

2/2022 - 5/2022 - Tutor for the Laboratory of Physics II (Electromagnetism and Waves) Course presso University of Cagliari, Italy - Tutor for the laboratory course of Electromagnetism and Waves for the second year BSc physics students. Durata: 40h

21/12/21, 20/12/22, 19/12/23 - Open Days Università di Cagliari

Ulteriori informazioni pertinenti

Periodo all'estero presso al CERN dal 01/03/2023 al 29/02/2024

Luogo, data e firma

Cagliari, 18/11/2024