



# **Editorial Board report**

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# Outline

- ☐ Communications
- ☐ Papers 2024 and 2025
- ☐ Proceedings 2025
- ☐ Talks 2025
- ☐ Authorship
- ☐ Upcoming conferences
- ☐ Other things

# Communications

- When you send us a mail with an abstract or paper, we should normally reply that we received it, and say when you can expect comments...
- However, INFN inboxes are 95% spam (at least mine), mails do not arrive in chronological order and some non-spam mails end up in a junk folder

**Advice:** if you do not receive an answer within 2-3 days, please send it again (for instance using personal address and not eb-foot list, asking for confirmation)

Reason (INFN Pisa): INFN or other important mails are sometimes classified as spam by our mailservers, even the internal ones....

- Example from last week: INFN Pisa user fell into trap of a phishing mail...



# Papers status 2024

Papers	Rivista	Authors	status
Charge identification of fragments produced in 16O beam interactions at 200 MeV/n and 400 MeV/n on C and C <sub>2</sub> H <sub>4</sub> targets	Frontiers in Physics	Galati, Boccia et al	Published 2024
The FLUKA Monte Carlo Simulation of the magnetic spectrometer of the FOOT experiment	Computer Physics Communications	Yun, Muraro et al	Published 2024
Development and Performance Assessment of the Calorimeter Module for the FOOT experiment	JINST	Piergiorgio et al	Minor revision
Angular differential and elemental fragmentation cross sections of a 400 MeV/nucleon 16O beam on a graphite target with the FOOT experiment	Phys Rev C	Ridolfi	Rejected
Cross Section Measurements for Large Angle Fragments Production in the Interaction of Carbon with Thin Targets	Phys Rev C	Mattei	Rejected
Measurement of 200 MeV/n 16O nuclear reaction cross-section on carbon and polyethylene targets with the nuclear emulsion detector of the FOOT experiment		Galati, Boccia et al	Started

 Published



 Submitted

 Rejected

 Started

# Papers status 2025

Papers	Rivista	Authors	status
Development and Performance Assessment of the Calorimeter Module for the FOOT experiment	JINST	Piergiorgio et al	Published 2025
Angular differential and elemental fragmentation cross sections of a 400 MeV/nucleon $^{16}\text{O}$ beam on a graphite target with the FOOT experiment	Phys Rev C	Ridolfi	Submitted 2025
Cross Section Measurements for Large Angle Fragments Production in the Interaction of Carbon with Thin Targets	Eur Phys J A	Mattei	Submitted 2025
Characterization of a Permanent Magnetic Dipolar System for the FOOT Experiment		Trigilio et al	To be circulated internally
Measurement of 200 MeV/n $^{16}\text{O}$ nuclear reaction cross-section on carbon and polyethylene targets with the nuclear emulsion detector of the FOOT experiment	Phys Rev C	Galati, Boccia et al	EB review

-  Published
-  Submitted
-  Started

# Proceedings status 2024

Proceedings	conferenza	Authors	status
Measurement of nuclear fragmentation cross sections with the FOOT experiment	IPRD23	Roberto Zarrella	Published in EPJWebConf
Energy response function and calibration of the FOOT calorimeter	TIPP23	Alessandro valletti	Published in Proc.Science
Charge measurement with nuclear emulsions spectrometers for hadron therapy fragmentation cross section measurements with the FOOT experiment	Pisa meeting 2024	Vincenzo Boccia	Published in NIMA
Characterization of the FOOT neutron detectors for nuclear fragmentation measurements at the n_TOF facility	Siena 2023	Roberto Zarrella	Published in JINST
Nuclear Fragmentation Cross-Section Measurements with the FOOT Experiment	Zapopane2023	Giacomo Ubaldi	Acta Physica Polonica A
Equalizing the response of the FOOT calorimeter as a function of the ion energy and charge	CALOR2024	Alessandro valletti	Submitted

 Published

 Submitted

# Proceedings status 2025

Proceedings	conferenza	Authors	status
Equalizing the response of the FOOT calorimeter as a function of the ion energy and charge	CALOR2024	Alessandro valletti	Published in WOS
Measurements of nuclear fragmentation cross sections with the FOOT experiment	DeSy2025	Giacomo Ubaldi	Accepted
Elemental and angular fragmentation cross section measurements with the FOOT experimen	SIF2024	Matilda Dondi & Giacomo Ubaldi	Submitted to il nuovo cem.
Characterizing Nuclear Fragmentation Reactions for Nuclear Physics Applications with the FOOT Experiment	ANP2024	Roberto Zarrella	Submitted to HNPS Adv. Nuc. Phys.

-  Finished
-  Abstract accepted
-  Abstract submitted
-  Candidate

# Talks+posters 2025

Title	Conference / Workshop	Dates	Participant	Talk/Poster	status
Measurements of nuclear fragmentation cross sections with the FOOT experiment	DeSyT-2025 (International workshop on Detection Systems and Techniques for fundamental and applied physics), Catania IT	24-26 Feb 2025	Giacomo Ubaldi	Talk	Finished
Cross Section Measurements for large angle fragments production in the nuclear interaction of $^{12}\text{C}$ on C, CH and PMMA thin targets	High Energy Particle and Nuclear Physics in the LHC Era (HEPNP2025), Chili	6-10 Jan. 2025	Ilaria Mattei	Talk	Finished
Nano-Imaging Trackers: A Novel Approach for High-Resolution Particle Detection	IFD 2025 - INFN Workshop on Future Detectors, Sestri Lev, IT	17-19 /3	Giuliana Galati	Talk	Finished
Identification of nuclear fragmentation isotopes in FOOT	IFAE Cagliari	9-11 aprile	Benedetto	Talk	Finishes
Cross Section Measurements of $^{12}\text{C}$ ion fragmentation in the energy range of interest for carbon ion therapy	PTCOG63, Buenos Aires, Arg.	3-7 June 2025	Ilaria Mattei	Poster	Accepted
Fragmentation measurements for proton therapy with an emulsion detector	PTCOG63, Buenos Aires, Arg.	3-7 June 2025	Adele Lauria	Poster	Accepted
Direct target fragmentation measurements for improved monte carlo accuracy with fine-grained nuclear emulsions	PTCOG63, Buenos Aires, Arg.	3-7 June 2025	M.C. Montesi	Poster with oral highlight	Accepted

-  Finished
-  Abstract accepted
-  Abstract submitted
-  Candidate



# Talks+posters 2025

Title	Conference / Workshop	Dates	Partecipant	Talk/Poster	status
First measurement of angular differential and total fragmentation cross sections for 400 MeV/nucleon $^{16}\text{O}$ on graphite and polyethylene targets with the FOOT experiment	6th Nuclear Data for Science and Technology Conference (ND2025)	22-27 June 2025	Riccardo Ridolfi	Talk	Accepted
The FOOT experiment	XIV International Conference on New Frontiers in Physics (ICNFP 2025)	17-31 July 2025	Mauro Villa		Deadline 31 May
Study of target and hadron beam fragmentation for Charged Particle Therapy	IEEE Symposium on radiation measurements and applications	27-29 July 2025	Giuliana Galati	Talk	Accepted
Elemental and angular differential nuclear fragmentation cross sections with the FOOT experiment	The sixth European Nuclear Physics Conference (EuNPC2025), Caen, FR	22-26 Sept. 2025	Matilde Dondi	Talk	Accepted
First Fragmentation Cross Section Measurements with the Full FOOT setup	The sixth European Nuclear Physics Conference (EuNPC2025), Caen, FR	22-26 Sept. 2025	Giacomo Ubaldi	Talk	Accepted
The FOOT experiment	SIF2025	22-26 Sept. 2025	Marco Toppi	Invited talk	Accepted

-  Finished
-  Abstract accepted
-  Abstract submitted
-  Candidate

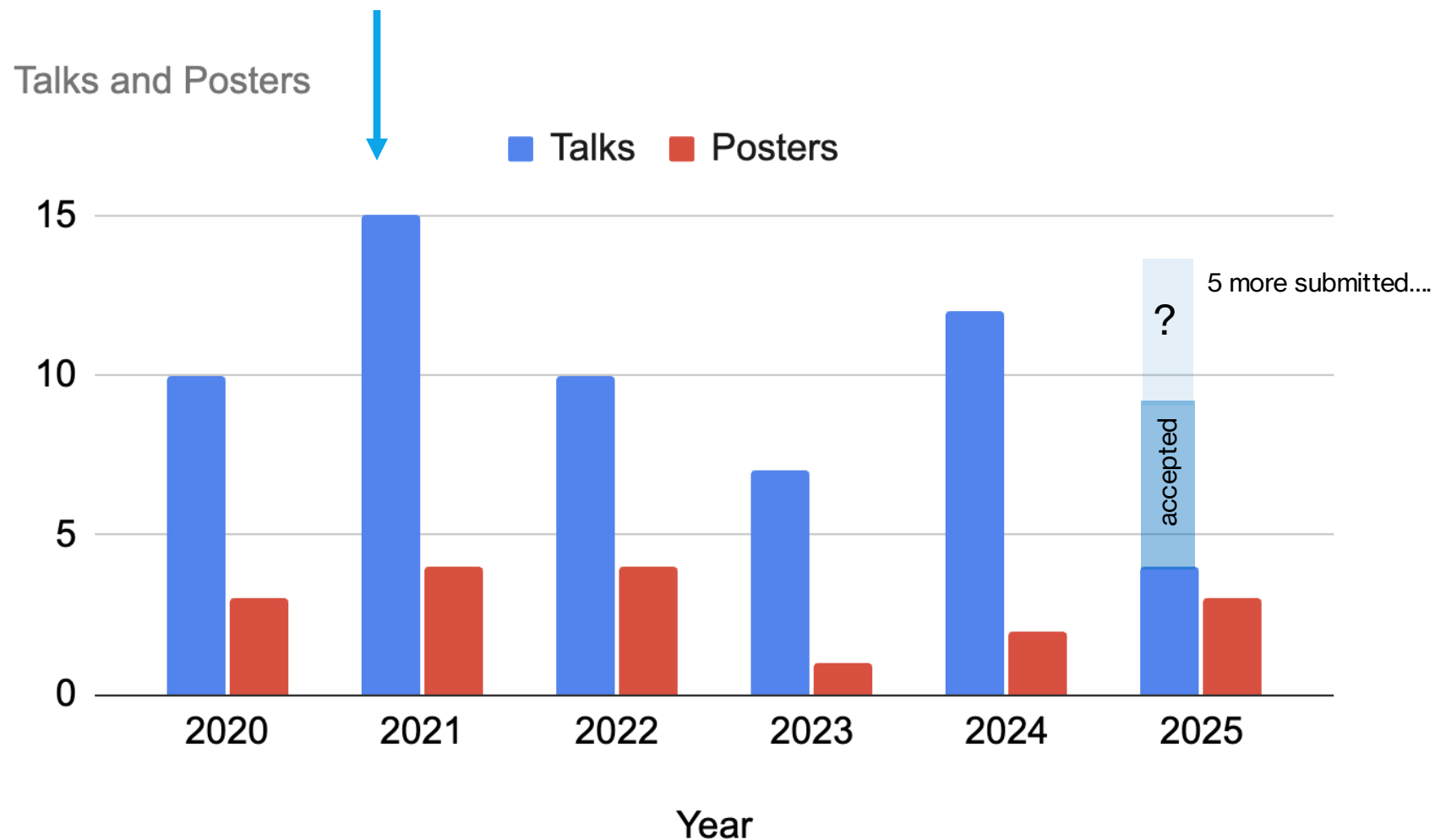
# Talks+posters 2025

Title	Conference / Workshop	Dates	Participant	Talk/Poster	status
The calibration of the silicon microstrip detector in the FOOT experiment	SIF2025	22-26 Sept. 2025	Sofia Mazzolani		Submitted
Development of a new Vertex detector for the FOOT experiment	17th Topical Seminar on Innovative Particle and Radiation Detectors (IPRD25)	22-26 Sept 2025	Sara Rabaglia		Submitted
The Microstrip Detector of the FOOT experiment	17th Topical Seminar on Innovative Particle and Radiation Detectors (IPRD25)	22-26 Sept 2015	Sofia Mazzolani		Submitted
Calibration and Performance of the FOOT Calorimeter	2025 IEEE Nuclear Science Symposium (NSS, Medical Imaging Conference ), Japan	1-8 Nov 2025	Piergiorgio Cerello		Submitted
Performance assessment of a scintillator detector for helium beam fragmentation measurements in particle therapy	2025 IEEE Nuclear Science Symposium (NSS, Medical Imaging Conference ), Japan	1-8 Nov 2025	Aafke Kraan		Submitted

-  Finished
-  Abstract accepted
-  Abstract submitted
-  Candidate

# Trends

Some postponed conferences from  
2020 (Covid) and 5 x online SIF



# Authorship

We have sent a mail last week to all group leaders to update the author lists

December 2024 decisions:

- For master thesis students: sign only papers written by their group, in which they had an important role
- PhD students: after a year sign collaboration papers
- Other newcomers: group leaders decide, in agreement with spokesman and EB. Indication: at least 6 months of significant and visible contribution



# Upcoming conferences

- The International Conference on New Frontiers in Physics, 17-31 July, Crete, Greece . **Abstract deadline 31 May. We have 1 candidate, but more are welcome!**
- The African Nuclear Physics Conference 2025 (ANPC2025), **Abstract deadline 26 June**
- Theory Service for the Low Energy Nuclear Physics Community: a Hands-on Workshop, 7-9 July, Trento, Italy (no abstract, **deadline for participation 13 June**)

New conferences for 2026 have deadlines starting in October

# Other communications

## For PhD students and postdocs

8th edition of the cross-disciplinary International Summer School **INFIERI**: INtelligent signal processing for FrontlEr Research and Industry

<https://indico.cern.ch/event/1383218/>

In Pisa, 1-15 September 2025

## For staff

Advertise PhD positions for FOOT in the mailing list



# INFIERI 2025 - PISA

8<sup>th</sup> International Summer School on INTELLIGENT SIGNAL PROCESSING FOR FRONTIER RESEARCH & INDUSTRY

FOSTERING CROSS-DISCIPLINARITY



Image created using generative AI (Microsoft Copilot), depicting Galileo taking a selfie in front of the Leaning Tower

**Lectures & Hands-on Labs on Cross-disciplinary, cutting-edge Research fields, and High Technologies Development**

- From **Astrophysics** (Gravitational Waves and Sun Exploration) and **Particle Physics** (Beyond Higgs/Future accelerators & Quantum Experiments) to New paradigms in **Nuclear Fission and Fusion**
- From **Advanced semiconductors** to **Quantum sensing, Nano-technologies/Biology/Medicine**
- From **Big Data Transfer**, beyond-Moore's-Law **High Performance Computing** to **AI and Quantum Technologies** in Science and Industry

Target audience: M.Sc., Ph.D., postdoc-level physicists and engineers

1/9 to 13/9/2025 Pisa, Italy

[infieri-school2025@cern.ch](mailto:infieri-school2025@cern.ch)



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**Thanks for your  
attention!**