

FAST'25



Workshop on Fast timing for nuclear structure and applications (FAST'25)

Madrid, 12th to 14th March 2025

SECOND CIRCULAR

The workshop on fast-timing methods for nuclear structure research and applications will be held at the Faculty of Physics, Universidad Complutense de Madrid, Madrid (Spain) from 12th March in the afternoon to 14th March 2025. The workshop is aimed at sharing the latest developments in instrumentation and methods for fast timing measurement, their use in fundamental physics research and their application to other research fields such as medical imaging.

Scientific programme

The scientific topics include:

- New detector technologies, including scintillators and photosensors
- Fast front-end and readout electronics
- Time pick-up methods, optimization, and AI processing
- Large scintillator and hybrid arrays for fast-timing measurements
- Nuclear structure research using fast-timing measurements: decay and reactions
- Other methods for the measurement of nuclear state lifetimes
- Fast scintillators for time-of-flight PET and other imaging modalities
- Fast response and high-count rate detectors for technology and applications

Call for Abstracts

Participants are encouraged to present their recent works to the workshop. Abstracts no longer than one page must be submitted **by February 23th, 2025, at 23:59** using the workshop Indico site at <https://indico.cern.ch/event/1502610/>. Additional information can be found at the workshop website.

Registration and Participation Fee

Participants must register in the [Indico website](#) and the [UCM ticket website](#) **before March 7th** in order to attend the workshop. A standard fee of **125 €** will be charged, which includes coffee breaks, lunches on Thursday 13th and Friday 14th of March, and the workshop dinner. PhD students and postdocs up to 2 years after their PhD defence are entitled to a reduced fee of **85 €** upon request to the organizers. We encourage all the attendants to arrange for their own accommodation at their earliest convenience.

Location

Facultad de Ciencias Físicas
Universidad Complutense de Madrid

Plaza de las Ciencias 1, Ciudad Universitaria
E-28040 Madrid, Spain
<https://maps.app.goo.gl/Kotze8YBiTuVwHMD7>

Important Dates:

Abstract submission opens:	January 17 th , 2025
Abstract submission deadline:	February 23 th , 2025, at 23:59
Notification of acceptance of abstracts:	February 28 th , 2025
Registration opens:	January 23 th , 2025
Registration closes:	March 7 th , 2025
Payment of fees deadline:	March 7 th , 2025

Contacts

Email contact: fast25@nuclear.fis.ucm.es

Website: <https://indico.cern.ch/event/1502610/>

Ticket website: <http://eventos.ucm.es/go/fast25>

Grupo de Física Nuclear (GFN), EMFTEL & IPARCOS, Universidad Complutense de Madrid

Scientific committee

Luis Mario Fraile (Universidad Complutense de Madrid, chair)

Agnieszka Korgul (University of Warsaw, co-chair)

Jaime Benito (INFN-LNL)

José Antonio Briz (Universidad Complutense de Madrid)

Andrés Illana (Universidad Complutense de Madrid)

Razvan Lica (IFIN-HH)

Bruno Olaizola (IEM/CSIC)

Agnieszka Syntfeld-Kazuch (NCBJ Swierk)

Local organizing committee

Odette Alonso-Sañudo, José Andrés Avellaneda, Bárbara Barrio, Nikita Bernier, José Antonio Briz, Miriam Caballero, Pablo Cabrales, Luis Mario Fraile, Sara Gaitán, Gabriel García de Lorenzo, Pablo González-Tarrío, Andrés Illana, Marcos Llanos, Susana Macía, Víctor Martínez Nouvilas, Víctor Sánchez-Tembleque, and Cayetano Soneira.



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