7th international workshop on new Photon-Detectors (PD2025)

Tuesday, 2 December 2025 - Saturday, 6 December 2025

Bologna, Italy

Scientific Programme

The PD2025 Workshop will cover a broad range of topics reflecting the latest developments and challenges in photon-detector science. The scientific programme is structured around three main thematic areas:
Application Areas, Photosensor Technologies, Enabling Technologies and R&D. Together, these tracks represent the core themes of the workshop and outline the scope of discussions and presentations that will shape PD2025.

Application Areas

Showcasing the diverse fields where photon detectors play a key role, from fundamental physics to societal impact.

Accelarators and Colliders

Astroparticle and Neutrino Physics

Astrophysics, Astronomy and Space Applications

Cryogenic and Noble Liquid Detectors

Medical and Societal Applications

Timing Applications

Photosensor Technologies

Focusing on the design, development, and characterisation of current and emerging photodetector type.

Solid-State Photodetectors (eg. SPADs, traditional and digital SiPMs)

Gaseous Photodetectors

Vacuum Photodetectors (eg. PMTs, MCPs, hybrids)

New Materials and Technologies

Enabling Technologies and Related Topics

Highlighting cross-disciplinary innovations that support performance, integration, and future advances.

Electronics and Readout

Radiation Damage

Simulation and Modelling

Other Related Topics