



# Frontier Detectors for Frontier Physics

## 16<sup>th</sup> Pisa Meeting on Advanced Detectors

May 26 – June 1 2024 • La Biodola, Isola d'Elba (Italy)

### BULLETIN n. 1

This is the first announcement of the 2024 Pisa Meeting on Instrumentation that will be held at

*La Biodola, Isola d'Elba, Italy*  
*May 26–June 1, 2024*

This conference is the sixteenth of a series of meetings initiated in Tirrenia in 1980, and continued in Castiglione della Pescaia and La Biodola, devoted to review progress on advanced detectors and instrumentation for physics experiments. The meeting is organized by the Istituto Nazionale di Fisica Nucleare (INFN), the University of Pisa, and the University of Siena under the patronage of the Società Italiana di Fisica (SIF) and the European Physical Society (EPS).

<b>Program</b>	<p>The aim of the meeting is to review the progress in detector technology with emphasis on applications in future experiments. The program will include sessions on the following topics:</p> <ul style="list-style-type: none"><li>▪ New Ideas in Particle and Radiation Detection</li><li>▪ Trends in Tracking, Timing, Calorimetry, and Particle Identification</li><li>▪ Detectors and Detector Systems for Particle and Astroparticle Physics, and for Cosmology</li><li>▪ Gravitational Wave Detectors</li><li>▪ Applications of Radiation Detectors and Techniques to Societal Challenges</li><li>▪ Technology Transfer and Industrial Applications of HEP Techniques</li><li>▪ Front-End, DAQ, and Trigger Electronics</li><li>▪ Low Temperature, Quantum and Emerging Technologies</li><li>▪ Large Detectors for Neutrinos, Dark Matter, and Other Elusive Particles</li><li>▪ Instrumentation for Quantum Computing</li><li>▪ Simulation, Reconstruction, and Machine Learning Techniques</li><li>▪ Enabling Technologies for Frontier Physics</li></ul> <p>The meeting is organized in plenary half-day sessions, each addressing one or more topics. The full program, with session schedule and conveners, will appear on our web site as soon as available.</p> <p>In the first half of the meeting, a specific session will be dedicated to industrial research and development. Products by industrial partners will be on display through the entire week in a dedicated exhibition area.</p>
<b>Attendance and Registration</b>	<p>For logistical reasons, the number of participants will be limited, and priority will be given to those with an accepted contribution. Participants are expected to attend the meeting for its full duration.</p> <p><b>Registration will open on December 4, 2023, and will close on April 19, 2024.</b></p> <p>If you require a visa invitation letter, please register to the conference, and write to <a href="mailto:pisameet@pi.infn.it">pisameet@pi.infn.it</a>, detailing the information that should appear on the letter.</p>
<b>Contributions and abstracts</b>	<p>Contributions to the conference will be either talks or posters. The session conveners will define the program and notify the authors in due time of the acceptance of their contribution for oral or poster presentation. The allocated time for oral presentations is typically 15-20 minutes.</p> <p>The call for abstract submission form will open on November 6, 2023.</p> <p>Researchers and industrial partners interested in contributing to the scientific program with innovative research, products, or technologies, are requested to submit a brief abstract using the form available on the conference website.</p> <p><b>The deadline for abstract submission is January 28, 2024.</b></p>
<b>Presentations and Proceedings</b>	<p>Contributors are expected to provide their oral or poster presentation in electronic format no later than one day before the beginning of the conference. Posters will be presented in electronic form only on dedicated 50'' displays. Instructions for poster preparation will be available on the conference web site.</p>

	<p>Proceedings will be published as a special issue of Nuclear Instruments &amp; Methods A. All the contributing authors will be requested to prepare and upload the paper following the indications on the conference web page. More details will be provided in the next bulletin.</p> <p><b>The deadline for proceedings submission is June 28, 2024</b></p>																				
<b>Venue and Working hours</b>	<p>The conference will be held at the <a href="#">Hotel Hermitage</a> in La Biodola, Elba Island, Italy.</p> <p>There will be two daily sessions, from 8.30 to 12.30 and from 16.00 to 19.30.</p>																				
<b>Conference fee</b>	<p><b>Information about the conference fee and payment methods will be provided in the second bulletin.</b></p>																				
<b>Hotel accommodation</b>	<p>Most participants will be accommodated in the <i>Hotel Hermitage</i> and the <a href="#">Hotel Biodola</a> (within walking distance from the conference venue). Full-inclusive accommodation at a special rate is available from Sunday May 26 to Saturday June 1, to be requested through the registration form. Detailed information about the hotel fees, along with a list of alternative accommodation options, will be available on the conference website.</p>																				
<b>Financial support for young researchers:</b>	<p>A limited number of grants will be available to promote the participation of young researchers (master's or PhD students or early post-docs) submitting a contribution to the conference. Each grant will include a contribution to the accommodation and full coverage of the registration fee but will not cover travel expenses. Those willing to apply should fill in the dedicated form available on the conference website, uploading a CV (including a statement of research interests), as well as two reference letters. The grant application will open November 6, 2023.</p> <p><b>The deadline for grant application is January 28, 2024</b></p> <p>The selected researchers will be notified by February 20, 2024, and the list of names will be published on the conference website.</p>																				
<b>Conference Awards</b>	<p><b>2024 ICFA Awards</b></p> <p>ICFA Instrumentation, Innovation, and Development prizes will be awarded during the conference, in recognition of outstanding work in instrumentation development. The application and selection procedures are described on the <a href="#">ICFA-IID</a> web site.</p> <p><b>Aldo Menzione Prize</b></p> <p>A special prize in memory of <i>Aldo Menzione</i> will be awarded by the Frontier Detector for Frontier Physics (FDFP) association to a distinguished scientist for outstanding contributions or leadership in the development of detectors or new technologies in the fields of interest of the conference.</p> <p><b>Young Researcher Prize</b></p> <p>The FDFP association and industrial partners will award a prize to talented young researchers presenting at the conference, in recognition of their significant contribution to the conference themes.</p>																				
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