

CLOSEOUT

Frontier Detectors for Frontier Physics

16th Pisa Meeting on
Advanced Detectors

La Biodola • Isola d'Elba • Italy
26 May - 1 June, 2024



TOPICS
New Ideas in Particle and Radiation Detection
Trends in Tracking, Timing, Calorimetry, and Particle Identification
Detectors and Detector Systems for Particle and Astroparticle Physics, and for Cosmology
Gravitational Wave Detectors
Applications of Radiation Detectors and Techniques to Societal Challenges
Technology Transfer and Industrial Applications of HEP Techniques
Front-End, DAQ, and Trigger Electronics
Low Temperature, Quantum and Emerging Technologies
Large Detectors for Neutrino, Dark Matter, and Other Exotic Particles
Instrumentation for Quantum Computing
Simulation, Reconstruction, and Machine Learning Techniques
Enabling Technologies for Frontier Physics

- INTERNATIONAL ADVISORY COMMITTEE**
- | | | | |
|-----------------------|----------------------------|----------------------|------------------------|
| Barry C. Barish | UCSD, US | Luca Baldini | Pisa University, Chair |
| Stan Brinkmann | MIT, US | M. Giovanna Bizzanti | Pisa University |
| Angelo Brocco | SI, IT | Edoardo Bossini | INFN Pisa |
| Paolo Camilleri | ETH, CH | Giorgio Chiosso | INFN Pisa |
| Massimo Campanelli | EGO, IT | M. Agnese Ciacci | Pisa University |
| Patrick Conde Muñoz | EPFL, CH | Francesco Forti | Pisa University, Chair |
| Jodie Cooley | SLAC/LBL, CA | Laura Gelli | INFN Pisa |
| Terje Gjelten | CEIS, NO | Gianluca Lomanna | INFN Pisa |
| Bohle Heinemann | DESY, DE | Sandra Leone | INFN Pisa |
| Scott Henderson | JRNL, US | Maurizio Massa | INFN Pisa |
| Manfred Jocher | HEPHY, AT | Enrico Mazzoni | INFN Pisa |
| Yusef Kacim | FZJ, DE | Andrea Moegi | INFN Pisa |
| Takashi Kobayashi | KEK, JP | Donato Nicolò | Pisa University |
| Manfred Kramer | CERN, CH | Riccardo Paoletti | INFN Pisa |
| Amos Lattuada | IN2P3, FR | Federico Pigli | INFN Pisa |
| Evio Melito | WITS/Johannesburg LABS, ZA | Alessandra Sestica | Pisa University |
| Luca Mercurio | INFN, IT | Massimiliano Rizzato | INFN Pisa |
| Joachim Mitth | CERN, CH | Camilla Spini | INFN Pisa |
| Tony Nikiforov | McMaster Institute, CA | Gloria Spontane | INFN Pisa |
| Carlo Rubbia | CERN, IT | | |
| Carlo Rubbia | FZJ, DE | | |
| Yannis K. Semertzidis | CERN, CH | | |
| Ken Skiff | SLAC/LBL, CA | | |
| Nigel Smith | TRIUMF, CA | | |
| Mark Thomson | STFC, UK | | |
| Yifang Wang | HEP, CN | | |
| Masaru Yamaguchi | KEK, JP | | |
| Antonio Zoccolì | INFN, IT | | |

CONFERENCE SECRETARIAT:
Giacomo Belli - Lucia Elli - Claudio Tofani
TECHNICAL & IT SUPPORT:
Maurizio Garzella - Gabriele La Re
For further information:
INFN - Sezione di Pisa - Largo Bruno Pontecorvo, 3 - I - 56127 Pisa
Phone: +39 050 2214352/2217 - Email: pisameeting@infn.it - Website: www.pi.infn.it/pm

Frontier Detectors for Frontier Physics


16th Pisa Meeting on Advanced Detectors

La Biodola • Isola d'Elba • Italy
26 May - 1 June, 2024

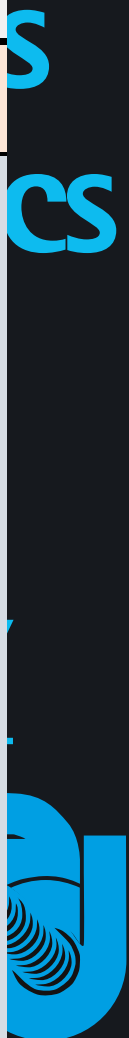


#pisameeting #pm2024



Monday May 27	Tuesday May 28	Wednesday May 29	Thursday May 30	Friday May 31		
8:30 – 12:50	8:30 – 12:20	8:30 – 10:50	8:30 – 11:20	8:30 – 12:20		
Welcome Addresses	Solid State Detectors Valentina Sola Carlos Lacasta	Calorimetry Ana Maria Henriques Correia Imad Laktineh	Low Temperature, Quantum and Emerging Technologies Loredana Gastaldo Claudio Gatti	Gas Detectors Anna Colaleo Eraldo Oliveri		
Opening Talk					Integration and Detector Systems James Fast Werner Riegler	Announcement of ICFA IID Awards
Lunch break		Lunch break				
15:30-19:20	15:30-19:20		15:30 -19:20			
Photo Detectors and Particle ID Ichiro Adachi Flavio Cavanna	Industrial and Societal Challenges including Industrial Round Table Peter Dendooven Anna Mazzinghi	Excursions	Detector Techniques for Cosmology and Astroparticle Physics Jocelyn Monroe Jeremy Perkins	Electronics and On- Detector Processing Chiara Guazzoni Giovanna Lehmann		
			Young Researcher Prizes award during Gala Dinner			
	21.30 Social event		21:00 Gala dinner			

Very rich program. Many thanks to the conveners, speakers, poster presenters, exhibitors !



MANY AWARDS

Frontier Detectors for Frontier Physics

- ICFA Instrumentation Awards (Supported by FDFP)
 - Gabriel Orebi-Gann (UC Berkeley)
 - Walter Snoeys (CERN), Renato Turchetta (INFOSAC) and Marc Winter (IJClab)
- Aldo Menzione Prizes (Supported by FDFP)
 - Ugo Amaldi (CERN)
 - Pier Andrea Mandò (University and INFN Florence)
 - Kent Irwin (Stanford University)
- Young Researcher Prizes (Supported by FDFP, CAEN, Galli & Morelli, Micron Semiconductor, and Sematron Italia)
 - Dawid Pietruch (AGH University of Krakow)
 - Sofia Strazzi (University of Bologna e INFN)
 - David Friday (University of Manchester).

Many thanks to the selection committee:
Giorgio Chiarelli, Marcello Giorgi, Stefanie Bennet,
Cinzia Da Via, Giovanni Donghi, Chiara Guazzoni,
David Hitlin, Nicola Paoli, Alexander Pellicone,
Archana Sharma



Frontier Detectors for Frontier Physics Meeting on Advanced Detectors

La Maddalena • Italy
2024



BUSES

Frontier Detectors for Frontier Physics

- Buses to the airports will leave at 7:00 from the hotels.
 - Breakfast will start at 6:15
 - Biodola area: Hotel Hermitage, Hotel Biodola, Road intersection to the Danila Hotel
 - Buses already tagged to Pisa or Rome, please get on the right one.
 - Hotel Golfo
 - Buses not tagged. You might have to transfer your luggage on a different bus at the Portoferraio port.
- Please check out at the hotel no later than 21:00 tonight.
- Participants not using the buses, please leave your room by 10.30
 - You can store your luggage at the hotel reception

PROCEEDINGS

Frontier Detectors for Frontier Physics

- No work is finished until the paperwork is done !
- Proceedings will be published as Special Issue of Nuclear Instruments and Methods A
- Paper length is limited: 4 pages for talks, 2 pages for posters
- Instructions and template available from conference page
- Submission deadline is **June 30, 2024**
 - No extension, so please plan accordingly

SURVEY

- You will receive a link for a survey
- Please take a few minutes to respond
- It will help us improve and meet your expectations

Frontier
for Fro

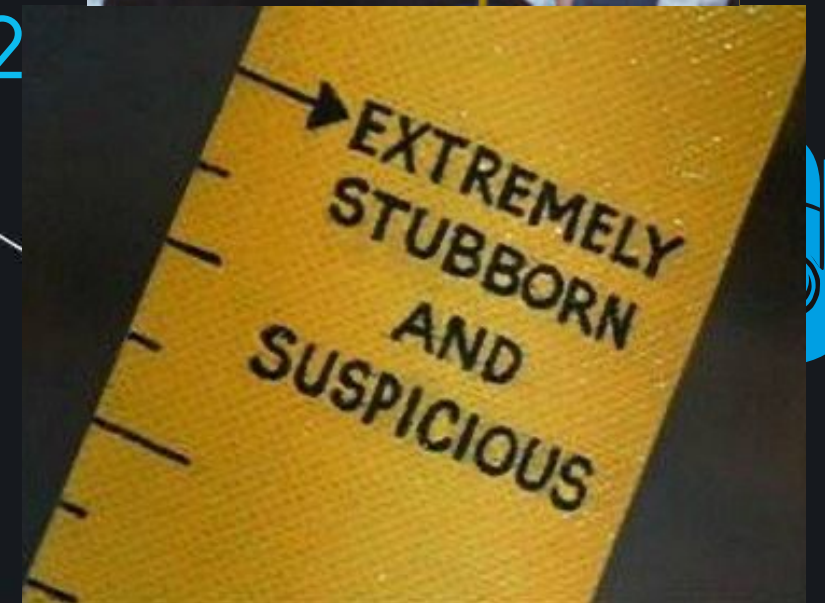


isa

ce

ola

2



S
CS

/



SURVEY

- You will receive a link for a survey
- Please take a few minutes to respond
- It will help us improve and meet your expectations

Front
for F



THANKS !

Frontier Detectors for Frontier Physics

- Such a large conference is only possible thanks to the coordinated work of many people.
 - Frontier Detectors for Frontier Physics Association
 - International Advisory Committee
 - Local Organizing Committee
- Many thanks to the hotels and hotel staff.
- The organization rests mostly on **INFN – Pisa** which provides most of the support for the meeting.
- All the video shooting and streaming is supported by **INFN – Bologna and CNAF Multimedia Group.**





Frontier Detectors for Frontier Physics

Meeting on detectors

d'Elba • Italy
1 June, 2024



INTERNATIONAL ADVISORY COMMITTEE

Barry C. Barish	LIGO, US
Stan Bentvelsen	NIKHEF, NL
Angela Bracco	SIF, IT
Florenca Canelli	UZH, CH
Massimo Carpinelli	EGO, IT
Patricia Conde Muino	IST, PT
Jodie Cooley	SNOLAB, CA
Paolo Giubellino	GSI, DE
Beate Heinemann	DESY, DE
Stuart Henderson	JLAB, US
Manfred Jeitler	HEPHY, AT
Klaus Kirch	PSI, CH
Takashi Kobayashi	J-PARC/KEK, JP
Manfred Krammer	CERN, CH
Arnaud Lucotte	IN2P3, FR
Bruce Mellado	WITS&iThemba LABS, ZA
Lia Merminga	Fermilab, US
Joachim Mnich	CERN, CH
Tony Noble	McDonald Institute, CA
Carlo Rubbia	GSSI, IT
Berta Rubio	IFIC, ES
Yannis K. Semertzidis	CAPP, KR
Ian Shipsey	ICFA-IID, UK
Nigel Smith	TRIUMF, CA
Mark Thomson	STFC, UK
Yifang Wang	IHEP, CN
Masanori Yamauchi	KEK, JP
Antonio Zoccoli	INFN, IT

ORGANIZING COMMITTEE

Luca Baldini	Pisa University, Chair
M. Giuseppina Bisogni	Pisa University
Edoardo Bossini	INFN-Pisa
Giorgio Chiarelli	INFN-Pisa
M. Agnese Ciocci	Pisa University
Francesco Forti	Pisa University, Chair
Luca Galli	INFN-Pisa
Gianluca Lamanna	Pisa University
Sandra Leone	INFN-Pisa
Maurizio Massa	INFN-Pisa
Enrico Mazzoni	INFN-Pisa
Andrea Moggi	INFN-Pisa
Donato Nicolò	Pisa University
Riccardo Paoletti	Siena University
Federico Pilo	INFN-Pisa
Alessandra Retico	INFN-Pisa
Massimiliano Razzano	Pisa University
Carmelo Sgrò	INFN-Pisa
Giovanni Signorelli	INFN-Pisa
Gloria Spandre	INFN-Pisa

FDFP EXECUTIVE BOARD

Francesco Fidecaro	Pisa University
Marcello Giorgi	INFN Pisa
Marco M. Massai	INFN Pisa
Valeria Rosso	Pisa University
Angelo Scribano	INFN Pisa, President
Paolo Spagnolo	INFN Pisa
Gloria Spandre	INFN Pisa
Arnaldo Stefanini	Honorary President

Large technical support team



S

- Registration support:
 - Agnese Berretta
 - Alessia Bua
- Technical support
 - Marco Ceccanti
 - Mauro Giannini
 - Nicola Giannini
 - Filippo Mariani
 - Alessio Mollica
 - Matteo Pelosi
 - Antonio Orsini
 - Stefano Patrizi
- Video and multimedia
 - Fabio Bisi
 - Roberto Giacomelli
 - Stefano Meneghini
- Many people helping from remote

Biodola • Isola d'Elba • Italy
26 May - 1 June, 2024



CONFERENCE SECRETARIAT:

Giacomo Betti - Lucia Lilli - Claudia Tofani

TECHNICAL & IT SUPPORT

Maurizio Garzella - Gabriele Lo Re

Abstract submission deadline
November 14, 2024

Notification of acceptance
January 13, 2025

Registration opening
January 16, 2025

ANIMMA VALENCIA SPAIN

9-13 JUNE
2025

<https://animma.com/>



cea

IFIC
INSTITUT DE FÍSICA
CORPUSCULAR

CSIC
UNIVERSITAT
ID VALÈNCIA

sck: cen
Belgian Nuclear Research Centre

Aix-Marseille
université
Sciences de Lumière

FILIERE
INSTRUMENTATION
Faculté
des Sciences



INSTITUTE
OF EXPERIMENTAL
AND APPLIED
PHYSICS
CIU IM PROVATE

Jožef Stefan Institute
Ljubljana, Slovenia

UNIVERSITÀ DI PISA

IEEE
NPSS
NUCLEAR & PLASMA
SCIENCES SOCIETY

The 9th International Conference on
Advancements in Nuclear Instrumentation
Measurement Methods and their Applications

tors
ysics

on
S

Italy
2024



A large group of people, including men and women of various ages, are gathered for a group photo in an outdoor courtyard. The courtyard is paved with light-colored tiles and features a long wooden structure on the left side. In the background, there are green hills, a blue sea, and some buildings. The sky is blue with light clouds. The text "MANY THANKS TO ALL PARTICIPANTS FOR COMING TO THE PISA MEETING" is overlaid in white, bold, sans-serif font across the top half of the image.

MANY THANKS TO ALL PARTICIPANTS
FOR COMING TO THE PISA MEETING

HAVE A SAFE TRIP HOME

A tropical beach scene at sunset. The sun is low on the horizon, casting a golden glow across the sky and reflecting on the calm water. The sky is filled with soft, colorful clouds in shades of orange, yellow, and purple. In the foreground, there are silhouettes of palm trees and a wooden fence. The overall atmosphere is peaceful and inviting.

LOOKING FORWARD TO SEEING YOU
AGAIN AT THE 17TH PISA MEETING

May 23-29, 2027