

# WELCOME

## Frontier Detectors for Frontier Physics 16<sup>th</sup> 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 Elusive Particles  
Instrumentation for Quantum Computing  
Simulation, Reconstruction, and Machine Learning Techniques  
Enabling Technologies for Frontier Physics



### INTERNATIONAL ADVISORY COMMITTEE

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### CONFERENCE SECRETARIAT:

Giuseppe Belli - Lucia Elli - Claudio Tolani

### 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 2214392/221 - Email: pisanee@pi.infn.it - Website: www.pi.infn.it/

### ORGANIZING COMMITTEE

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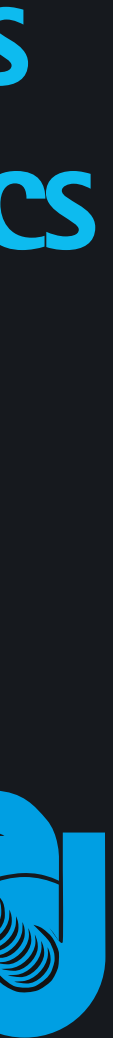
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Monday May 27	Tuesday May 28	Wednesday May 29	Thursday May 30	Friday May 31
8:30 – 12:50	8:30 – 12:20	8:30 – 10:50	8:30 – 11:20	8:30 – 12:20
Welcome Addresses	<b>Solid State Detectors</b>  Valentina Sola Carlos Lacasta	<b>Calorimetry</b>  Ana Maria Henriques Correia Imad Laktineh	<b>Low Temperature, Quantum and Emerging Technologies</b>  Loredana Gastaldo Claudio Gatti	<b>Gas Detectors</b>  Anna Colaleo Eraldo Oliveri
Opening Talk				
<b>Integration and Detector Systems</b>  James Fast Werner Riegler			ICFA IID Award Talks	
			Announcement of Menzione Award	
Lunch break		<b>Talks are 17+3 min. Please stay within your time.</b>	Lunch break	
15:30-19:20	15:30 - 19:20		15:30 -19:20	
<b>Photo Detectors and Particle ID</b>  Ichiro Adachi Flavio Cavanna	<b>Applications to Industrial and Societal Challenges</b>  including <b>Industrial Round Table</b>  Peter Dendooven Anna Mazzinghi	<b>Excursions</b>  <b>Speakers please upload your slides on indico 24h before your talk.</b>	<b>Detector Techniques for Cosmology and Astroparticle Physics</b>  Jocelyn Monroe Jeremy Perkins	<b>Electronics and On- Detector Processing</b>  Chiara Guazzoni Giovanna Lehmann
			<b>Young Researcher Prizes Award during Gala Dinner</b>	
	21.30 Social event		21:00 Gala dinner	





## POSTER SESSIONS

# Frontier Detectors for Frontier Physics

- Poster sessions run at a different time from the corresponding oral session
  - Next door room (Elena)
  - Presenters should try to be by their posters during coffee breaks and immediately before/after the session
  - Poster sessions are shown in pairs in two time slots (except for Integration session)
- Posters are shown on high resolution monitors
  - 28 screens (1-2 posters each) cycle the posters of the specific sessions
  - 4 screens can be used to browse the entire poster program
  - 1 screen shows the index of the posters in the session with screen assignment
- Buttons are available to navigate through the posters
  - As experimental physicists you should be able to figure out how the buttons work 😊

# Poster Sessions Schedule

# Frontier Detectors

Monday May 27	Tuesday May 28	Wednesday May 29	Thursday May 30	Friday May 31
8:30-9:40	8:30-12:20	8:30-10:50	8:30-11:20	8:30-12:20
Welcome Addresses Opening talks	Photo Detectors and Particle ID + Applications to Industrial and Societal Challenge	Solid State Detectors + Calorimetry	Detector Techniques for Cosmology and Astroparticle Physics + Gas Detectors	Electronics and On-Detector Processing + Low Temperature, Quantum and Emerging Technologies
9:40 - 12:50				
Photo Detectors and Particle ID + Applications to Industrial and Societal Challenge		All details are available in the conference booklet	11:20-12:50	
			Awards	
15:30 - 19:20	15:30 - 19:20			15:30 - 19:20
Integration and Detector Systems	Solid State Detectors + Calorimetry		Electronics and On-Detector Processing + Low Temperature, Quantum and Emerging Technologies	Detectors Techniques for Cosmology and Astroparticle Physics + Gas Detectors

Presenters are encouraged to stand next to their poster

Posters on display, presenters may not be available





Session screens



Oral session streaming (overflow)

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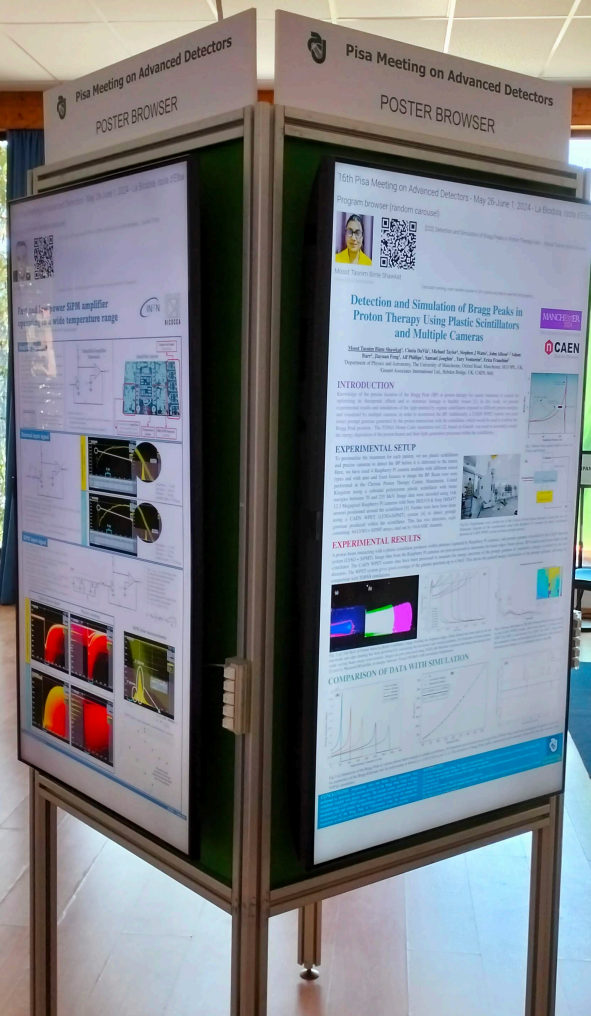




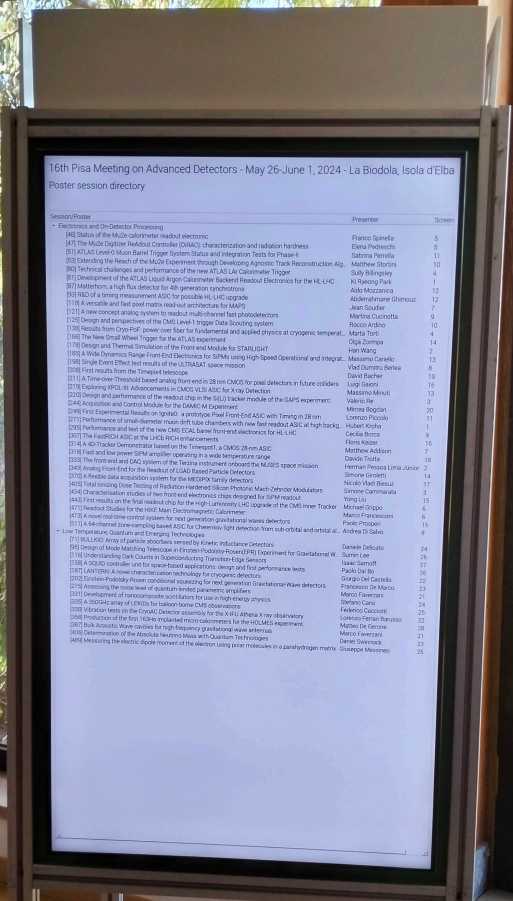
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Poster browser



Index screen



# EXHIBITORS

# Frontier Detectors for Frontier Physics

- Rich exhibitor program
- Stands available for information exchange
- Industrial round table on Tuesday afternoon

 <p><b>HAMAMATSU</b> HAMAMATSU PHOTONICS ITALIA</p>	 <p><b>D-ORBIT</b> NEW SPACE SOLUTIONS</p>	 <p><b>CAEN</b> <i>Tools for Discovery</i></p>
 <p><b>MICRON</b> SEMICONDUCTOR LIMITED</p>	 <p><b>GALLI E MORELLI</b> OFFICINA MECCANICA DI PRECISIONE</p>	 <p><b>FONDAZIONE BRUNO KESSLER</b></p>
<p>INFN Technology Transfer</p>	 <p><b>SEMATRON ITALIA</b> S.r.l. COMPONENTS &amp; SYSTEMS</p>	<p>GARR Consortium</p>

# NETWORK

# Frontier Detectors for Frontier Physics

- eduroam is available
  - Should work for most people
- Alternatives:
  - The hotel wireless is pretty good. It is freely accessible (with registration)
  - An INFN-Web network can also be accessed: please request a username / password at the conference desk
- Please be considerate:
  - Bandwidth is good, but not infinite
  - Please do not stream the conference on your own computer





# PRACTICALITIES

# Frontier Detectors for Frontier Physics

- Please register at coffee break or lunch if you haven't done so already
  - Conference desk at the Hotel Hermitage
- You should wear the conference badge at all times
  - Local Organizing Committee clearly identifiable; don't hesitate to ask
- Lunches are at the "Fuoco di Bosco" restaurant
  - The badge should be shown to enter the restaurant together with the accompanying person(s)
  - Please note that participants who booked their own accommodation should pay for lunches at the Hermitage reception
- Dinners are at own hotel (except for gala dinner on Thursday)
- The kids club is available during session hours for children aged 3+
- The Hermitage beach can be used by all participants



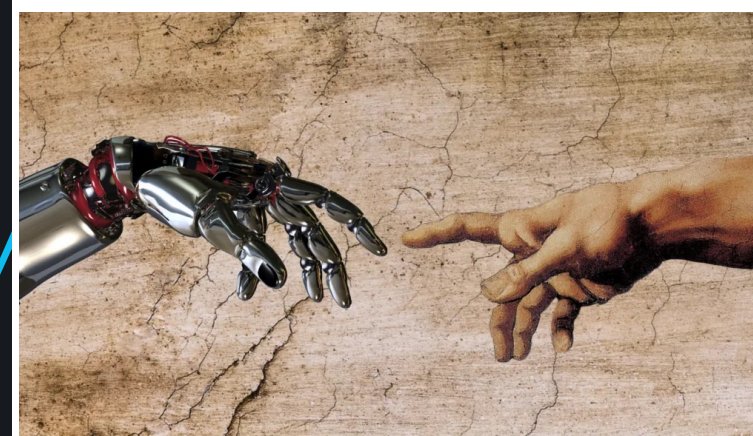


# BUSES

# Frontier Detectors for Frontier Physics

- Shuttle buses are provided for people staying at the Hotel Golfo
- Leave at 8:00 from the hotel in the morning
- Leave from the conference venue after the session end in the evening
- On Tuesday come back for the Social Event
- On Thursday come back for the Gala Dinner

## Meeting on



***Ferdinando Buscema***

***Secrets of Magic***

***In The Age of Artificial Intelligence***

Hotel Hermitage, Maitù

Tuesday May 28<sup>nd</sup>, 2024 – h. 21.30



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# 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





ENJOY THE  
CONFERENCE

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#pisameeting #pm2024

