



LABORATÓRIO DE INSTRUMENTAÇÃO  
E FÍSICA EXPERIMENTAL DE PARTÍCULAS  
*partículas e tecnologia*

# Welcome to PANIC!

From the planned PANIC2020



To online PANIC2021

Audio only    Audio & Video



## International Advisory Committee

Antonio Masiero <sup>INFN, Italy</sup>  
 António Oliveira <sup>LIP, Portugal</sup>  
 Barbara Jacak <sup>Berkeley, USA</sup>  
 Bingrong Zou <sup>IP, China</sup>  
 Conceição Alencar <sup>LIP, Portugal</sup>  
 Fabrice Gianotti <sup>CERN, Switzerland</sup>  
 Gora Mühlberg <sup>Wien, Austria</sup>  
 Isabel Lopes <sup>LIP, Portugal</sup>  
 Jianwei Qiu <sup>SLAC, USA</sup>  
 Joachim Mich <sup>DESY, Germany</sup>  
 Jorge Romão <sup>CTF, Portugal</sup>  
 Jorgen D'Hondt <sup>CEA, Belgium</sup>  
 Klaus Peters <sup>GSI, Germany</sup>  
 Mário Pimenta <sup>LIP, Portugal</sup>  
 Martine Bosman <sup>INF Barcelona, Spain</sup>  
 Masaru Yamashita <sup>KIC, Japan</sup>  
 Matthias Kaspermann <sup>DESY, Germany</sup>  
 Nu Xu <sup>CCNU, China</sup>  
 Paolo Guelfino <sup>GSI, Germany</sup>  
 Patrice Verdier <sup>IN2P3, France</sup>  
 Patricia McBride <sup>FNAL, USA</sup>  
 Paula Ferreira <sup>U of Helsinki, Finland</sup>  
 Philippe Chomaz <sup>CEA, France</sup>  
 Reiner Krick <sup>TRIUMF, Canada</sup>  
 Reinhard Beck <sup>LIP, Germany</sup>  
 Richard Milner <sup>MIT, USA</sup>  
 Robert D. McKinnon <sup>SLAC, USA</sup>  
 Rolf-Dieter Heuer <sup>CERN, Switzerland</sup>  
 Soo-Bong Kim <sup>SKKU, Korea</sup>  
 Stephan Paul <sup>LMU, Germany</sup>  
 Torsten Aleson <sup>Lund, Sweden</sup>  
 Victor Matveev <sup>JINR, Russia</sup>  
 Xiangdong <sup>SIU, China</sup>  
 Yang Wang <sup>WU, China</sup>  
 Young-Kee Kim <sup>U of Chicago, USA</sup>

## Local Organizing Committee

Agostinho Gomes <sup>LIP/FCTUL</sup>  
 Alexandre Lindote <sup>LIP</sup>  
 Amélia Mao <sup>LIP/FCTUL</sup>  
 Ana Sofia Nunes <sup>LIP/FCTUL</sup>  
 Catarina Espírito Santo <sup>LIP</sup>  
 Daniel Galaviz <sup>LIP/FCTUL</sup>  
 José Augusto <sup>LIP/FCTUL</sup>  
 João Gervásio <sup>LIP</sup>  
 Helena Santos <sup>LIP/FCTUL</sup>  
 Liliana Apolinário <sup>LIP/FCTUL</sup>  
 Lorenzo Cazon <sup>LIP</sup>  
 Luís Peralta <sup>LIP/FCTUL</sup>  
 Marcon Stolarik <sup>LIP</sup>  
 Nuno Barros <sup>LIP/FCTUL</sup>  
 Nuno Castro <sup>LIP/FCTUL</sup>  
 Ricardo Gonçalves <sup>LIP/FCTUL</sup>  
 Rita Pedro <sup>LIP</sup>  
 Valentina Lozza <sup>LIP/FCTUL</sup>

22nd edition

# PANIC Lisbon Portugal

Particles and Nuclei International Conference

05 — 10 SEP — 2021

- Hot and dense matter physics  
QGP and heavy ion collisions
- QCD, spin physics and chiral dynamics
- Hadron spectroscopy and exotics
- Neutrino physics
- Dark matter and cosmology
- Nuclear and particle astrophysics
- Standard model physics at the TeV scale
- Energy frontier physics beyond the standard model
- Flavor physics  
CKM and beyond
- Tests of symmetries and conservation laws
- Hadrons in medium  
Hyperons and mesons in nuclear matter
- Development of accelerators and detectors
- Applications of nuclear and particle physics technology



• Info: [ip.pt/panic2021](http://ip.pt/panic2021)



Hosts: LIP Laboratory of Instrumentation and Experimental Particle Physics FCTUL Faculty of Sciences of the University of Lisbon



*We thank the IAC, the conveners, and  
the plenary speakers for keeping their  
commitment after the postpone.*

## Agenda at a Glance

5-10 September	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
11:00						
12:45		Opening	Poster Session			
13:00						
13:30	Parallel	Standard model at the TeV scale	Flavour physics	Parallel	QCD, Spin physics and Chiral dynamics	Applications of Nuclear and Particle physics technology
14:00						
14:30	Conference photo		Break			
14:40						
15:10	Parallel	Dark matter and Cosmology	Tests of symmetries and conservation laws	Parallel	EIC	Acc & Det
15:40					Heavy Ions	Data science BSM en. frontier
16:10	Break					
16:20						
16:50	Parallel	Neutrino physics	Hadron spectroscopy and Exotics	Parallel	Hadrons in medium	Grav. Waves Best posters
17:35		Discussion	Discussion		Discussion	Discussion
18:05						Closure
18:10						
18:45		Public lecture	Poster Session	Public lecture		
	Lisbon timezone					

580 participants

31 plenary talks

310 parallel talks

122 posters

2 public lectures

At the end of each plenary  
day, we'll have  
a 30' discussion covering the  
three subjects.

You are very welcome to join!





LABORATÓRIO DE INSTRUMENTAÇÃO  
E FÍSICA EXPERIMENTAL DE PARTÍCULAS  
*partículas e tecnologia*

## Poster sessions

122 posters distributed by 2 sessions: **Tuesday, 11h - 13h** and **18h10 - 20h10**

Posters will be in Gather.town all the time during the conference

**Ongoing competition** - 4 prizes for the best posters in:

Nuclear Physics - NuPECC Prize

Particle Physics - NuPECC Prize

Instrumentation - MDPI - Instruments Prize

The best poster authored by a PhD student - EPS Prize

We will have the opportunity to see the poster competition winners on Friday's plenary session!

## Gather.town

For poster sessions or vivid scientific discussions.

You have a concert hall with small but delightful pieces performed by the Gulbenkian Orchestra and the Virtual Lisbon room with Lisbon's stories.





LABORATÓRIO DE INSTRUMENTAÇÃO  
E FÍSICA EXPERIMENTAL DE PARTÍCULAS  
*partículas e tecnologia*

## Diversity charter survey

We invite you to respond to a survey which will help APPEC, ECFA and NuPECC to monitor how diverse our communities - see conference web page

## Conference photo

TODAY at 14H30 (break). We need you to stay in front of your screen for 1'max.





LABORATÓRIO DE INSTRUMENTAÇÃO  
E FÍSICA EXPERIMENTAL DE PARTÍCULAS  
*partículas e tecnologia*

## Diversity charter survey

We invite you to respond to a survey which will help APPEC, ECFA and NuPECC to monitor how diverse our communities - see conference web page

## Conference photo

TODAY at 14H30 (break). We need you to stay in front of your screen for 1'max.

# LOC hopes you enjoy the conference. Stay with us across the week!



LABORATÓRIO DE INSTRUMENTAÇÃO  
E FÍSICA EXPERIMENTAL DE PARTÍCULAS  
*partículas e tecnologia*

**We are thankful to our sponsors**

**nature reviews** physics



***instruments***

an Open Access Journal by MDPI

**NuPECC**



**sp física**

SOCIEDADE  
PORTUGUESA  
DE FÍSICA



***universe***

an Open Access Journal by MDPI

