



# ICHEP 2022

## Monday, 11 July 2022

### Plenary Sessions: Welcome from Authorities (09:00 - 10:00)

-Conveners: Lorenzo Bellagamba; Paolo Giacomelli

time	[id] title	presenter
09:00	[1470] Welcome	BELLAGAMBA, Lorenzo GIACOMELLI, Paolo
09:15	[1471] Welcome from Authorities	
09:45	[1469] Report from Ukraine	GRYNYOV, Borys

### Plenary Sessions: Equality, Diversity and Inclusion (10:00 - 10:30)

-Conveners: Lorenzo Bellagamba; Paolo Giacomelli

time	[id] title	presenter
10:00	[1451] Equitable opportunities: a must for high-quality science	BONILLA, Johan

### Plenary Sessions: IUPAP Centenary connection (11:00 - 12:00)

-Conveners: Paolo Giacomelli; Lorenzo Bellagamba

time	[id] title	presenter
11:00	[1395] IUPAP centenary connection	PEPE ALTARELLI, Monica
11:10	[1396] Neutrino Physics	KAJITA, Takaaki

### Plenary Sessions: Neutrino Physics (12:00 - 13:05)

-Conveners: Chiara Meroni; Stefan Soldner-Rembold

time	[id] title	presenter
12:00	[1398] Neutrino nature and mass	WEINHEIMER, Christian
12:20	[1397] Future neutrino experiments	BISHAI, Mary
12:45	[1399] Open questions on neutrino physics	KOPP, Joachim

### Plenary Sessions: LHC Physics (14:50 - 16:40)

-Conveners: Victoria Martin; Federico Antinori

time	[id] title	presenter
14:50	[1400] ATLAS highlights	UNAL, Guillaume
15:15	[1401] CMS highlights	RIZZI, Andrea
15:40	[1402] LHCb highlights	BLANC, Frédéric
16:00	[1403] ALICE highlights	DAINESE, Andrea
16:20	[1404] LHC accelerator: status and perspectives	LAMONT, Mike

**Plenary Sessions: Accelerators (17:00 - 18:00)****-Conveners: Tiziano Camporesi; Paolo Giacomelli**

time	[id] title	presenter
17:00	[1405] Present accelerators (non-LHC) and approved future facilities	FISCHER, Wolfram
17:30	[1406] Future Facilities and Advance in Accelerator Technologies	ROSSI, Lucio

**Plenary Sessions: Dark Matter (18:00 - 19:00)****-Conveners: Carla Göbel; Shoji Asai**

time	[id] title	presenter
18:00	[1408] Dark Matter: theoretical interpretations and perspectives	BERTONE, Gianfranco
18:30	[1407] Astrophysical searches for Dark Matter	MARRODÁN UNDAGOITIA, Teresa

## Tuesday, 12 July 2022

### Plenary Sessions: SM results and BSM searches (09:00 - 10:30)

-Conveners: Marta Calvi; Jim Olsen

time	[id] title	presenter
09:00	[1417] Electroweak results and precision tests of the Standard Model	KRETZSCHMAR, Jan
09:30	[1418] Experimental results of BSM searches	ERBACHER, Robin
10:00	[1419] New Physics: where do we stand?	SANZ, Veronica

### Plenary Sessions: Higgs decennial (11:00 - 12:10)

-Conveners: Rolf Heuer; Graziano Bruni; André David

time	[id] title	presenter
11:00	[1414] The road to the Higgs boson discovery	GIANOTTI, Fabiola
11:30	[1415] Higgs results: from the discovery to precision physics	MARIOTTI, Chiara
11:50	[1416] Future perspectives for Higgs physics	HEINEMEYER, Sven

### Plenary Sessions: Round table with Lab Directors - Moderators: Daniela Bortoletto and Karl Jakobs (12:10 - 13:10)

-Conveners: Nigel Smith; Sergei Nagaitsev; Sébastien Descotes-Genon; Yifang Wang; Yamauchi Masanori; Beate Heinemann; Antonio Zoccoli; Fabiola Gianotti; Dmitri Denisov

### Plenary Sessions: Astroparticle and Cosmology (14:30 - 15:50)

-Conveners: Stavros Katsanevas

time	[id] title	presenter
14:30	[1410] Multimessenger Physics	DE WAISSEIGE, Gwenhael
14:50	[1411] Astroparticle Physics	MERTSCH, Philipp
15:10	[1412] Particle Cosmology	UROS, Seljak
15:30	[1413] Gravitational waves detection: status and outlook	PRODI, Giovanni Andrea

### Plenary Sessions: Computing (16:20 - 17:20)

-Conveners: Concezio Bozzi; Jianchun Wang

time	[id] title	presenter
16:20	[1420] Computing infrastructure: status and outlook	PIANO, Stefano
16:50	[1421] HEP software: overview and future challenges	GRAY, Heather

### Plenary Sessions: Flavour Physics (17:20 - 18:50)

-Conveners: Yves Sirois; Chris Parkes

time	[id] title	presenter
17:20	[1422] Overview of quark flavour results	GLIGOROV, Vladimir

18:00	[1423] Charged Lepton Flavour Experiments	MORI, Toshinori
18:20	[1424] Perspectives in flavour physics	GRELJO, Admir

# Wednesday, 13 July 2022

## Plenary Sessions: Education and outreach (09:00 - 09:30)

-Conveners: Laura Bandiera; Sarah Williams

time	[id] title	presenter
09:00	[1425] Education, outreach and public engagement	ADAM, Claire

## Plenary Sessions: Formal Theory (09:30 - 10:00)

-Conveners: Tomas Husek

time	[id] title	presenter
09:30	[1426] Formal theory: status and outlook	QUEVEDO, Fernando

## Plenary Sessions: Technology and industrial applications (10:00 - 10:30)

-Conveners: Lorenzo Bellagamba; Anna Grassellino

time	[id] title	presenter
10:00	[1427] Technological spin-offs and industrial applications	DE LA TAILLE, Christophe

## Plenary Sessions: Strong interactions (11:00 - 12:00)

-Conveners: Gregorio Bernardi; Rosario Nania

time	[id] title	presenter
11:00	[1428] Recent results on strong interactions and hadron physics	FABBIETTI, Laura
11:30	[1429] Status and outlook of QCD predictions	SALAM, Gavin

## Plenary Sessions: Heavy ions (12:00 - 13:00)

-Conveners: Francesca Bellini; Yvonne Pachmayer

time	[id] title	presenter
12:00	[1430] Experimental results from Heavy Ion collisions	BIELCIKOVA, Jana
12:30	[1431] Theoretical developments in Heavy Ions physics predictions	SALGADO, Carlos

## Plenary Sessions: C11 report and awards (14:30 - 15:40)

-Conveners: Florencia Canelli

time	[id] title	presenter
14:30	[1439] C11 report	CANELLI, Florencia
14:50	[1441] Early Career Award: "Gravity and Information"	ALMHEIRI, Ahmed
15:05	[1440] Early Career Award: "Nuclear Aspects of Neutrino Interactions"	ASHKENAZI, Adi ASHKENAZI, Adi
15:20	[1442] Poster Awards	BATTILANA, Carlo BELLINI, Francesca
15:35	[1473] Logo awards	CAVALLO, Francesca Romana

**Plenary Sessions: Detector developments (15:40 - 16:10)****-Conveners: Cornelia Wunderer; Maksym Titov**

time	[id] title	presenter
15:40	[1432] Highlights on detectors R&D	DALLA TORRE, Silvia

**Plenary Sessions: Round table on future projects - Moderators: Susan Shotkin-Gascon and Felix Sefkow (16:10 - 17:00)****-Conveners: Vladimir Shiltsev; Toshinori Mori; Frank Zimmermann; Xinchou Lou; Angeles Faus-Golfe; Franco Bedeschi; Nadia Pastrone; Mogens Dam****Plenary Sessions: Conference summary and outlook (17:30 - 18:45)****-Conveners: Paolo Giacomelli; Lorenzo Bellagamba**

time	[id] title	presenter
17:30	[1433] Conference summary and outlook	TENCHINI, Roberto
18:15	[1434] Next ICHEP conference	LEITNER, Rupert
18:25	[1435] Concluding remarks and acknowledgments	BELLAGAMBA, Lorenzo GIACOMELLI, Paolo