

PC chairs

CHEP IAC meeting, 18th September 2024

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Contents

- Plenary program completed
- Parallel program completed - timetables ready this week
- Poster awards

Plenary timetable completed

<https://indico.cern.ch/event/1338689/timetable/#20241021.detailed>

21.10.

09:00	Welcome	<i>Agnieszka Dziurda et al.</i>
	Large Hall	09:00 - 09:30
	The 200Gbps Challenge: Imagining HL-LHC analysis facilities	<i>Alexander Held et al.</i>
	Large Hall	09:30 - 10:00
10:00	Triggering TB/s of data: The CMS and LHCb perspectives	<i>Marianna Fontana et al.</i>
	Large Hall	10:00 - 10:30
	Coffee break	
		10:30 - 11:00
11:00	Julia in HEP	<i>Graeme A Stewart</i>
	Large Hall	11:00 - 11:30
	CMS FlashSim: end-to-end simulation with ML	<i>Andrea Rizzi</i>
	Large Hall	11:30 - 12:00
12:00	The First Release of ATLAS Open Data for Research	<i>Zach Marshall</i>
	Large Hall	12:00 - 12:30

22.10.

09:00	The neXt Dirac incarnation	<i>Federico Stagni</i>
		09:00 - 09:30
	Total Cost of Ownership and Evaluation of Google Cloud Resources for the ATLAS Experiment at the LHC	<i>David South</i>
		09:30 - 10:00
10:00	Enhancing Data Management in Nuclear Physics and Cross-Domain Metadata Integration	<i>Ivan Knezevic</i>
		10:00 - 10:30
	Coffee break	
		10:30 - 11:00
11:00	ROOT RNTuple and EOS: The Next Generation of Event Data I/O	<i>Andreas Joachim Peters et al.</i>
		11:00 - 11:30
	The WLCG Data Challenge	<i>Katy Ellis</i>
		11:30 - 12:00
12:00	Global Networking Challenges for the Coming Decade	<i>Tony Cass</i>
		12:00 - 12:30

23.10.

09:00	The Era of Quantum Utility - IBM Quantum	<i>Voica Radescu</i>
		09:00 - 09:30
	Quantum Computing for High energy physics: CERN perspective	<i>Dr Michele Grossi</i>
		09:30 - 10:00
10:00	Quantum-Assisted Generative AI for Simulation of the Calorimeter Response	<i>Wojtek Fedorko</i>
		10:00 - 10:30
	Coffee break	
		10:30 - 11:00
11:00	Large Language Models in Physics	<i>Sarah Heim et al.</i>
		11:00 - 11:30
12:00		

24.10.

09:00	Data Challenges in JUNO distributed computing infrastructure towards JUNO data-taking	<i>Xiaomei Zhang et al.</i>
		09:00 - 09:30
	The State of Event Generators for the HL-LHC	<i>Olivier Mattelaer</i>
		09:30 - 10:00
10:00	The ROOT Project at the end of Run 3 and towards HL-LHC	<i>Daniilo Piparo</i>
		10:00 - 10:30
	Coffee break	
		10:30 - 11:00
11:00	Serving Photon Science and HEP at the same facility (PRELIMINARY TITLE)	<i>Christian Voss</i>
		11:00 - 11:30
	Simulating the Carbon Cost of Grid Sites	<i>David Britton</i>
		11:30 - 12:00
12:00	Hardware technology trends in HEP computing	<i>Dr Andrea Sciabà</i>
		12:00 - 12:30

Plenary: Panel discussion

- Will organize a panel discussion on Tuesday, 22.10.
- Topic: Quantum computing and advanced AI: disruption or evolution?
- Chair: Liz Sexton-Kennedy
- Members:
 - Quantum computing: Tomasz Stopa / Voica Radescu (IBM) and Michele Grossi (QTI)
 - Traditional computing: Tommaso Boccali (INFN Pisa)
 - ML for simulation: Andrea Rizzi (INFN Pisa)
 - Large Language Models: Sascha Caron (Nikhef)
- Partially prepared questions, partially questions from the audience

Plenary program: Friday

- Summary talks for each track prepared by track conveners
- Awards for best poster (Prizes available from local organizing committee?)
- Closing by local organizers

Parallel program

- Had around 20 cancellations up to now
 - Open spots were filled by track conveners with next ranked contributions
- Track conveners are building the timetables until tomorrow (19.10.)
- Plan to announce schedule by the end of the week

Work in progress...

13:00	12:30 - 13:30						
	Benchmark ... <i>Loren...</i>	Monte Carlo ... <i>Dr An...</i>	Advanced m... <i>Brij Kl...</i>	A RoCE-bas... <i>曾珊 ...</i>	Parallel (Track 3): Offline Computing Room 1A 13:30 - 15:18	Parallel (Track 1): Data and Metadata Organization, Management and Access Room 2A 13:30 - 15:18	Parallel (Track 2): Online and real-time computing Room 2B 13:30 - 15:18
14:00	Advancemen... <i>Bern...</i>	Hardware ac... <i>Zenn...</i>	Whole-node ... <i>Marta...</i>	Front-End R... <i>Gabri...</i>			
	Zero-overhe... <i>Dr Vi...</i>	Madgraph o... <i>Andr...</i>	Unprivileged... <i>Maksi...</i>	Near-Data C... <i>Diego...</i>			
	On-the-fly da... <i>Florin...</i>	Event gener... <i>Yutar...</i>	Unified Expe... <i>Ewou...</i>	Using the AT... <i>Joha...</i>			
	GiL-free scal... <i>Jim P...</i>	Monte Carlo ... <i>Jame...</i>	Designing O... <i>Dr Da...</i>	Improving o... <i>Diana...</i>			
15:00	Using and Vi... <i>Julius...</i>	Navigating P... <i>Corn...</i>	Addressing t... <i>Marc...</i>	The Glance ... <i>Luis ...</i>			
Poster session: Presentation with coffee							

Poster ranking

- Four poster sessions in total (1h afternoon coffee break Mon-Fri)
- Plan to rank posters for every session with online vote
- Announce the four best posters in Friday's plenary session

Survey

Best Poster of Tuesday

Which is the best poster of the Tuesday session? *

Submit

Back

Your answers will be associated with your account.

We look forward to a great CHEP24!