



# Conference on Computing in High Energy and Nuclear Physics

## Monday 21 October 2024

### Plenary session: Mon plenary 1 - Large Hall (09:00 - 10:30)

-Conveners: Katy Ellis

time	[id] title	presenter
09:00	[568] Welcome	DZIURDA, Agnieszka SZUMLAK, Tomasz
09:30	[403] The 200 Gbps Challenge: Imagining HL-LHC analysis facilities	HELD, Alexander BOCKELMAN, Brian Paul SHADURA, Oksana
10:00	[561] Triggering TB/s of data: The CMS and LHCb perspectives	FONTANA, Marianna FOLGUERAS, Santiago

### Plenary session: Mon plenary 2 - Large Hall (11:00 - 12:30)

-Conveners: Stephan Hageboeck

time	[id] title	presenter
11:00	[473] Julia in HEP	STEWART, Graeme A
11:30	[114] CMS FlashSim: end-to-end simulation with ML	RIZZI, Andrea
12:00	[71] The First Release of ATLAS Open Data for Research	MARSHALL, Zach

# Tuesday 22 October 2024

## **Plenary session: Tue plenary 1 - Large Hall (09:00 - 10:30)**

-Conveners: Dorothea Vom Bruch

time	[id] title	presenter
09:00	[566] The Era of Quantum Utility - IBM Quantum	RADESCU, Voica
09:30	[563] Quantum Computing for High energy physics: CERN perspective	Dr GROSSI, Michele
10:00	[425] Quantum-Assisted Generative AI for Simulation of the Calorimeter Response	FEDORKO, Wojtek

## **Plenary session: Tue plenary 2 - Large Hall (11:00 - 12:30)**

-Conveners: Katy Ellis

time	[id] title	presenter
11:00	[560] Large Language Models in Physics	HEIM, Sarah
11:30	[573] Panel Discussion: Quantum Computing and LLMs. Will they bring disruptive changes to HEP computing?	RIZZI, Andrea SEXTON-KENNEDY, Elizabeth Dr GROSSI, Michele MATTELAER, Olivier CARON, Sascha Dr BOCCALI, Tommaso RADESCU, Voica

# Wednesday 23 October 2024

## Plenary session: Wed plenary 1 - Large Hall (09:00 - 10:30)

-Conveners: Stephan Hageboeck

time	[id] title	presenter
09:00	[62] The neXt Dirac incarnation	STAGNI, Federico
09:30	[261] Total Cost of Ownership and Evaluation of Google Cloud Resources for the ATLAS Experiment at the LHC	SOUTH, David
10:00	[443] Enhancing Data Management in Nuclear Physics and Cross-Domain Metadata Integration	KNEZEVIC, Ivan

## Plenary session: Wed plenary 2 - Large Hall (11:00 - 12:30)

-Conveners: Dorothea Vom Bruch

time	[id] title	presenter
11:00	[562] ROOT RNTuple and EOS: The Next Generation of Event Data I/O	PETERS, Andreas Joachim BLOMER, Jakob
11:30	[569] The WLCG Data Challenge	ELLIS, Katy
12:00	[49] Global Networking Challenges for the Coming Decade	CASS, Tony

# Thursday 24 October 2024

## Plenary session: Thu plenary 1 - Large Hall (09:00 - 10:30)

-Conveners: Katy Ellis

time	[id] title	presenter
09:00	[187] Data Challenges in JUNO distributed computing infrastructure towards JUNO data-taking	ANDRONICO, Giuseppe ATHAYDE MARCONDES DE ANDRE, Joao Pedro ZHANG, Xiaomei
09:30	[557] The State of Event Generators for the HL-LHC	MATTELAER, Olivier
10:00	[107] The ROOT Project at the end of Run 3 and towards HL-LHC	PIPARO, Danilo

## Plenary session: Thu plenary 2 - Large Hall (11:00 - 12:30)

-Conveners: Stephan Hageboeck

time	[id] title	presenter
11:00	[567] Serving Photon Science and HEP at the same facility	VOSS, Christian
11:30	[538] Simulating the Carbon Cost of Grid Sites	BRITTON, David
12:00	[564] Hardware technology trends in HEP computing	Dr SCIABÀ, Andrea

# Friday 25 October 2024

## Plenary session: Fri plenary 1 - Large Hall (09:00 - 10:30)

-Conveners: Dorothea Vom Bruch

time	[id] title	presenter
09:00	[574] Track 1 summary: Data and Metadata Organization, Management and Access	MORGANTI, Lucia MASHINISTOV, Ruslan SKIPSEY, Samuel Cadellin Mr MKRTCHYAN, Tigran
09:15	[575] Track 2 summary: Online and real-time computing	AGAPOPOULOU, Christina ROHR, David NAGANO, Kunihiro BATTAGLIERI, Marco
09:30	[576] Track 3 summary: Offline Computing	KORAKA, Charis Kleio VALSECCHI, Davide CAPPELLI, Laura MATEV, Rosen
09:45	[577] Track 4 summary: Distributed Computing	BAUER, Daniela HERNANDEZ, Fabio SCIACCA, Gianfranco PAPARRIGOPOULOS, Panos
10:00	[578] Track 5 summary: Simulation and analysis tools	DE PIETRO, Giacomo REMBSER, Jonas BANDIERAMONTE, Marilena STOCKMANN, Tobias
10:15	[579] Track 6 summary: Collaborative software and maintainability	FEICKERT, Matthew GRIESER, Nathan FITSCHEN, Tobias DECONINCK, Wouter

## Plenary session: Fri plenary 2 - Large Hall (11:00 - 12:30)

-Conveners: Katy Ellis

time	[id] title	presenter
11:00	[580] Track 7 summary: Computing Infrastructure	HOEFT, Bruno Heinrich WISSING, Christoph PISANI, Flavio GIEMZA, Henryk
11:15	[581] Track 8 summary: Collaboration, Reinterpretation, Outreach and Education	GUERRIERI, Giovanni BENNETT, Jake Vernon CATMORE, James BRYNGEMARK, Lene Kristian
11:30	[582] Track 9 summary: Analysis facilities and interactive computing	TEJEDOR SAAVEDRA, Enric CZURYLO, Marta SMITH, Nick Dr SKIDMORE, Nicole

11:45	[583] Poster awards	DZIURDA, Agnieszka VOM BRUCH, Dorothea ELLIS, Katy HAGEBOECK, Stephan SZUMLAK, Tomasz
12:00	[584] Wrap-up	DZIURDA, Agnieszka VOM BRUCH, Dorothea ELLIS, Katy SRIMANOBHAS, Phat HAGEBOECK, Stephan SZUMLAK, Tomasz