


CCP-TEPP Hadrons User Workshop 2026

Housekeeping

- Toilets:
 - ♂ Turn right, on the right
 - ♀ Turn left, directly ahead
 - : Turn left, left down the corridor for 60m, opposite room 4318

Fire safety

- Fire alarm test at 0855 on Wednesday
- No fire drills scheduled
- If the alarm sounds not at 0855 on Wednesday, please evacuate
 - Follow the instructions on the blue FIRE ACTION notices posted throughout the building.
 - Exit the building using the signed FIRE EXIT routes, closing all doors behind you.
 - Do not use the lifts.
 - Assemble in the car parks well away from the JCMB main entrance area and access road
 - Do not re-enter an activated zone, signalled by flashing beacons at the zone boundary
 - Do not re-enter the building until given all clear by Assembly Point Controller, Fire Brigade Officers or by public address system
 - Do not use your mobile phone until you have safely evacuated the building.

Timetable

- 09:40: Introduction to Hadrons (Antonin Portelli)
- 10:10: Introduction to Jet (Ryan Hill)
- 10:25: Lightning talks from collaborations
- 11:05: Coffee
- 11:30: Work starts, punctuated by:
- 12:30: Lunch
- 15:00: Coffee
- TBC: Evening meal

What is CCP-TEPP?

- Project to build a Collaborative Computational Project in Theoretical and Experimental Particle Physics
 - Funded by CoSeC for a two-year scoping project
 - Aim to form a full CCP as part of a future call
- CCPs aim to
 - Build communities of practice in computational science
 - Support software as an integral part of computationally-intensive research
- ccp-tepp.github.io



Computational Science Centre
for Research Communities

What has CCP-TEPP done so far

- Series of scoping workshops
- Resulting Roadmap document for software in PP, identifying areas for development over the next five years
- Technical effort and workshops focusing areas identified by the roadmap
 - Technical work targeting (to date) Grid and Geant4
 - Knowledge exchange workshop at STFC Daresbury Laboratory
 - Docathon at University of Warwick targeting all PP software
 - This event
 - Summer school in Swansea later this year:
indico.global/e/ccp-tepp-school-2026

Why are we here?

- Many groups want to move measurement code from CPU to GPU
- Other groups want to expand the flexibility of their measurement toolchain
- Hadrons makes it easy to do both
 - Based on Grid, which has excellent performance portability
 - Modular structure allows swapping in and out elements
 - Can also recycle partial computations shared between multiple targets
 - Antonin will talk more about this next!