Special CCE-SOP tele-conference: RNTuple API Review Remaining modules

Report of Contributions

Contribution ID: 0   Type: **not specified**

Introduction/Management News

Wednesday, 26 June 2024 11:00 (5 minutes)

AHM, please sign up: https://indico.fnal.gov/event/65024/
Is there a hotel block for the guest house (btw, link broken)?
Expectations from SOP for Mon/Wed?

For Tuesday's 5h slot (10AM-3PM), we'd suggest to have as focus:
- Mid review report writing for ROOT RNTuple API (Peter).
- Kick start object store data deduplication activities. Including working lunch discussion? (Saba).

In addition, we could cover the following:
- Use of AI/ML friendly data formats and tools (since CCE was asked to do more AI/ML)
- Data access and streaming, including HDF5 via XRootD (SLAC is possible/likely to join CCE)

Summary

Presenters: CALAFIURA, Paolo (LBNL); VAN GEMMEREN, Peter (ANL); SEHRISH, Saba (Fermilab); HABIB, Salman (Argonne National Laboratory)

Contribution ID: **1** Type: **not specified**

ATLAS Framework

Wednesday, 26 June 2024 11:05 (10 minutes)

Summary

Presenters: METE, Alaettin Serhan (Argonne National Laboratory (US)); NOWAK, Marcin (BNL); VAN GEMMEREN, Peter (ANL)

Session Classification: ROOT RNTuple API Review

Contribution ID: **2** Type: **not specified**

CMS Framework

Wednesday, 26 June 2024 11:15 (10 minutes)

Presenters: JONES, Christopher (Fermilab); RILEY, Daniel; KORTELAINEN, Matti (Fermilab)

Session Classification: ROOT RNTuple API Review

Contribution ID: **3** Type: **not specified**

DUNE/ART/CAF Framework

Wednesday, 26 June 2024 11:25 (10 minutes)

Summary

Presenters: BASHYAL, Amit (Argonne National Lab); CHOWDHURY, Barnali (Argonne National Laboratory); KNOEPFEL, Kyle (Fermilab); VAN GEMMEREN, Peter (ANL)

Session Classification: ROOT RNTuple API Review

Contribution ID: 4   Type: **not specified**

Tracking and aiding the evolution of ROOT I/O, in particular RNTuple

Wednesday, 26 June 2024 11:35 (10 minutes)

Presenters: METE, Alaettin Serhan (Argonne National Laboratory (US));   BASHYAL, Amit (Argonne National Lab); JONES, Christopher (Fermilab); RILEY, Daniel (Cornell University); KNOEPFEL, Kyle (Fermilab); NOWAK, Marcin (BNL); KORTELAINEN, Matti (Fermilab); VAN GEMMEREN, Peter (ANL); CANAL, Philippe (FERMILAB)

Contribution ID: 5   Type: **not specified**

Reduced Precision and Intelligent Domain-specific Compression Algorithms

Wednesday, 26 June 2024 11:45 (5 minutes)

Presenters: BASHYAL, Amit (Argonne National Lab);   BHATTACHARYA, Meghna;   VAN GEMMEREN, Peter (ANL)

Contribution ID: **6**   Type: **not specified**

Object Stores and Strategies for Data Placement and Replication

Wednesday, 26 June 2024 11:50 (10 minutes)

Presenters: BENJAMIN, Doug (Brookhaven National Laboratory (US)); LATHAM, Rob (Argonne National Laboratory); SEHRISH, Saba (Fermilab); SNYDER, Shane (Argonne National Laboratory)