

Round Table Organization.

Wednesday, November 10, 2021

MI, AB, GS, KK, MD

Number

Exascale

ROOT

Data - not enough
curation and prep. for data
science.

Graham - ECPS
ACTS

High memory GPUs.

IRIS/HEP analysis grand challenge.

Experience of HPC.

Julia workshop.

Kolja

New expts. SPHINX, DUNE.

Get data taking experience
to lead up.

Ofer

Analysis grand challenge.

Service X, Skyhook.

HPC discussion.

Work loads to cloud.

Checkpointing, Singularity, containers.

Data QOS.

Rucio.

Tape.

Authorizator + Authentizator.

Paul:

Access.

Software framework / workflow
management, bundling
message passing.

Rucio: non-Atlas.

Inter Dirac, Belle II ≠ Rucio

→ LHCb Dirac Data management.
workflow management.

IT & Experimental relationship.
interaction, resource planning.

Torque

BNL IT & Experiments

Software framework

ESPC multi-threading, next-generation scheduling.

GPU -

Event building: event subcomponents.

Framework.

scheduler.

workflow management.

FCC E or XCC E

Gandi.

LHC ~~16~~, no Gandi.

Concurrent events, G. can't handle.

Atlas Google project.

DASK, PANDA, Jupyter.

Rucio LZ \rightarrow migrated.

Rust. as well as Julia
or Go.

Markus summary.

- 1 ~~IPIS HEP~~ → and beyond.
- 2 Review
- 3 HPC resources.
- 4 Software framework / workflow
- 5 Starting experiments, IT + experiment ^{relationship}.
- 6 New languages. Julia, Rust, Go.

Kolja: LaTeX Q&A.