



# 26TH INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY & NUCLEAR PHYSICS (CHEP2023)

## Monday, May 8, 2023

### Track 1 - Data and Metadata Organization, Management and Access: Storage - Norfolk Ballroom III-V (11:00 AM - 12:30 PM)

-Conveners: Martin Barisits; Mario Lassnig

time	[id] title	presenter
11:00 AM	[25] dCache: storage system for data intensive science	Mr LITVINTSEV, Dmitry
11:15 AM	[105] Erasure Coding Xrootd Object Store	YANG, Wei
11:30 AM	[433] POSIX access to remote storage with OpenID Connect AuthN/AuthZ	Dr FORNARI, Federico
11:45 AM	[276] Enabling Storage Business Continuity and Disaster Recovery with Ceph distributed storage	BOCCHI, Enrico
12:00 PM	[606] ECHO: optimising object store data access for Run-3 and the evolution towards HL-LHC	WALDER, James
12:15 PM	[209] EOS Software Evolution Enabling LHC Run-3	Mr CAFFY, Cedric

### Track 1 - Data and Metadata Organization, Management and Access: Networks - Norfolk Ballroom III-V (2:00 PM - 3:30 PM)

-Conveners: Mario Lassnig; Diego Davila

time	[id] title	presenter
2:00 PM	[58] Automated Network Services for Exascale Data Movement	BALCAS, Justas
2:15 PM	[125] A Named Data Networking Based Fast Open Storage System plugin for XRootD	SHANNIGRAHI, Susmit
2:30 PM	[584] ALTO/TCN: Toward an Architecture of Efficient and Flexible Data Transport Control for Data-Intensive Sciences using Deep Infrastructure Visibility	YANG, Ryan
2:45 PM	[285] A study case of Content Delivery Network solutions for the CMS experiment	DENGRA, Carlos
3:00 PM	[318] Identifying and Understanding Scientific Network Flows	MCKEE, Shawn
3:15 PM	[373] Managing multi-instrument data streams in secure environments	Dr SAUTI, Godfrey

## Tuesday, May 9, 2023

### **Track 1 - Data and Metadata Organization, Management and Access: Clouds & Caches - Norfolk Ballroom III-V (11:00 AM - 12:30 PM)**

-Conveners: Michael Kirby; Martin Barisits

time	[id] title	presenter
11:00 AM	[181] Xrootd S3 Gateway for WLCG Storage	YANG, Wei
11:15 AM	[32] Predicting Resource Usage Trends with Southern California Petabyte Scale Cache	SIM, Alex
11:30 AM	[436] Storing LHC Data in Amazon S3 and Intel DAOS through RNTuple	Ms LAZZARI MIOTTO, Giovanna
11:45 AM	[50] Understanding Data Access Patterns for dCache System	WU, Kesheng
12:00 PM	[611] A Ceph S3 Object Data Store for HEP	SMITH, Nick
12:15 PM	[192] Extending Rucio with modern cloud storage support: Experiences from ATLAS, SKA and ESCAPE	LASSNIG, Mario

### **Track 1 - Data and Metadata Organization, Management and Access: Tapes - Norfolk Ballroom III-V (2:00 PM - 3:30 PM)**

-Conveners: Diego Davila; Mario Lassnig

time	[id] title	presenter
2:00 PM	[201] An HTTP REST API for Tape-backed Storage	DAVIS, Michael Mr AFONSO, Joao
2:15 PM	[448] Challenging the economy of tape storage with the disk-based one	AHN, Sang Un
2:30 PM	[178] Updates to the ATLAS Data Carousel Project	ZHAO, Xin
2:45 PM	[203] Evolution of the CERN Backup system based on RESTIC and the CERN Tape Archive (CTA)	Dr RADEMAKERS, Fons
3:00 PM	[199] The CERN Tape Archive Beyond CERN — an Open Source Data Archival System for HEP	DAVIS, Michael

### **Track 1 - Data and Metadata Organization, Management and Access: Databases & Metadata - Norfolk Ballroom III-V (4:30 PM - 6:00 PM)**

-Conveners: Mario Lassnig; Martin Barisits

time	[id] title	presenter
4:30 PM	[377] Transferable Improved Analyses Turnaround through Intelligent Caching and Optimized Resource Allocation	FISCHER, Benjamin
4:45 PM	[241] Evaluation of Rucio as a Metadata Service for the Belle II experiment	PANTA, Anil
5:00 PM	[185] Conditions Evolution in ATLAS	COSTANZO, Davide
5:15 PM	[27] Calibration and Conditions Database of the ALICE experiment in Run 3	GRIGORAS, Costin
5:30 PM	[526] The HSF Conditions Database reference implementation	GERLACH, Lino
5:45 PM	[261] Testing framework and monitoring system for the ATLAS EventIndex	Dr GALLAS, Elizabeth

# Thursday, May 11, 2023

## **Track 1 - Data and Metadata Organization, Management and Access: Data Management - Norfolk Ballroom III-V (11:15 AM - 12:45 PM)**

-Conveners: Martin Barisits; Michael Kirby

time	[id] title	presenter
11:15 AM	[322] Nordic Data Lake Success Story	WADENSTEIN, Mattias
11:30 AM	[151] The implementation of Data Management and Data Service for HEPS	SUN, Haokai
11:45 AM	[397] Overview of the distributed image processing infrastructure to produce the Legacy Survey of Space and Time (LSST)	HERNANDEZ, Fabio
12:00 PM	[205] EPN2EOS Data Transfer System	Ms SUIU, Alice Florenta
12:15 PM	[216] FTS Service Evolution and LHC Run-3 Operations	MURRAY, Steven
12:30 PM	[34] Integrating FTS in the Fenix HPC infrastructure	Ms LONG, Shiting

## **Track 1 - Data and Metadata Organization, Management and Access: Analytics & Benchmarks - Norfolk Ballroom III-V (2:00 PM - 3:30 PM)**

-Conveners: Diego Davila; Michael Kirby

time	[id] title	presenter
2:00 PM	[191] Exploring Future Storage Options for ATLAS at the BNL/SDCC facility	HUANG, Qiulan
2:15 PM	[112] Data popularity for the Cache Eviction Algorithms using Random Forests	CHUCHUK, Olga
2:30 PM	[179] New XrootD monitoring implementation	Mr GARRIDO BEAR, Borja
2:45 PM	[614] 400Gbps benchmark of XRootD HTTP-TPC	ARORA, Aashay
3:00 PM	[168] Scale tests of the new DUNE data pipeline	TIMM, Steven
3:15 PM	[627] ICARUS signal processing with HEPnOS	SYED, S.