

25th International Conference on Computing in High Energy & Nuclear Physics

Tuesday, May 18, 2021

Software: Tue AM (10:50 AM - 12:08 PM)

-Conveners: David Bouvet; Benjamin Krikler

time	[id] title	presenter
10:50	A135 [A135] Daisy: Data analysis integrated software system for X-ray experiments	TIAN, Haolai
11:03	A160 [A160] Readable and efficient HEP data analysis with bamboo	DAVID, Pieter
11:16	A105 [A105] Recent advances in ADL, CutLang and adl2tnm	UNEL, Gokhan
11:29	A106 [A106] ALICE Run 3 Analysis Framework	ALKIN, Anton
11:42	A200 [A200] Analysis of heavy-flavour particles in ALICE with the O2 analysis framework	KUCERA, Vit
11:55	A108 [A108] FuncADL: Functional Analysis Description Language	PROFFITT, Mason

Software: Tue PM (3:00 PM - 4:20 PM)

-Conveners: Enrico Guiraud; Teng Jian Khoo

time	[id] title	presenter
3:00 P	M39 [M39] The GeoModel tool suite for detector description	TSULAIA, Vakho
3:26 P	M25 [M25] Counter-based pseudorandom number generators for CORSIKA 8: A multi-thread friendly approach	Dr ALVES JUNIOR, Antonio Augusto
3:39 P	M4 [M4] CAD support and new developments in DD4hep	FRANK, Markus
3:52 P	M04 [M04] Key4hep: Status and Plans	SAILER, Andre
4:05 P	M4 [M4] Preservation through modernisation: The software of the H1 experiment at HERA	BRITZGER, Daniel

Wednesday, May 19, 2021

Software: Wed AM (10:50 AM - 12:15 PM)

-Conveners: Enrico Guiraud; Stefan Roiser

time	[id] title	presenter
10:50	M13 [M13] BAT. jl — A Julia-based tool for Bayesian inference	HAFYCH, Vasyi
11:03	M38 [M38] ATLAS in-file metadata and multi-threaded processing	BERGHAUS, Frank
11:16	M34 [M34] Software framework for the Super Charm-Tau factory detector project	ZHADAN, Anastasiia
11:29	M12 [M12] Exploring the virtues of XRootD5: Declarative API	SIMON, Michal Kamil
11:42	M23 [M23] Building and steering binned template fits with cabinetry	HELD, Alexander
11:55	M14 [M14] CORSIKA 8 -- A novel high-performance computing tool for particle cascade Monte Carlo simulations	ULRICH, Ralf

Software: Wed PM (5:40 PM - 7:00 PM)

-Conveners: Luisa Arrabito; Teng Jian Khoo

time	[id] title	presenter
5:40 P	M77 [M77] Grid-based minimization at scale: Feldman-Cousins corrections for light sterile neutrino search	WOSPAKRIK, Marianne
5:53 P	M06 [M06] Laurelin: Java-native ROOT I/O for Apache Spark	MELO, Andrew Malone
6:06 P	M8 [M8] Fine-grained data caching approaches to speedup a distributed RDataFrame analysis	Mr PADULANO, Vincenzo Eduardo
6:19 P	M6 [M6] Columnar data analysis with ATLAS analysis formats	HARTMANN, Nikolai
6:32 P	M0 [M0] AwkwardForth: accelerating Uproot with an internal DSL	PIVARSKI, Jim
6:45 P	M93 [M93] hep_tables: Heterogeneous Array Programming for HEP	WATTS, Gordon