

CHEP 2018 Conference, Sofia, Bulgaria

Monday, July 9, 2018

T5 - Software development: S1 - Hall 3 (11:00 AM - 12:30 PM)

-Conveners: Patricia Mendez Lorenzo

time	[id] title	presenter
11:00	M44 [M44] ALFA: ALICE-FAIR new message queuing based framework	AL-TURANY, Mohammad
11:15	P49 [P49] The ALICE Analysis Framework for LHC Run 3	Dr BERZANO, Dario
11:30	M49 [M49] From Catalogs to Cosmology: An Automated Weak Gravitational Lensing Analysis Pipeline	VAANDERING, Eric
11:45	M75 [M75] Software development for the NICA experiments: MpdRoot & BmnRoot	GERTSENBERGER, Konstantin
12:00	P77 [P77] ATLAS Technical Coordination Expert System	ASENSI TORTAJADA, Ignacio
12:15	P10 [P10] The AMI (ATLAS Metadata Interface) 2.0 metadata ecosystem: new design principles and features	ODIER, Jerome

T5 - Software development: S2 - Hall 3 (2:00 PM - 4:00 PM)

-Conveners: Barthelemy Von Haller

time	[id] title	presenter
2:00	M88 [M88] A tale of two programs: driving innovation in HEP computing	CARMINATI, Federico
2:15	P51 [P51] Software training for the next generation of Physicists: joint experience of LHCb and ALICE	BERZANO, Dario BURR, Chris
2:30	M88 [M88] Exploring polyglot software frameworks in ALICE with FairMQ and fer	Dr BINET, Sebastien
2:45	M98 [M98] HEPCon - A Cross-Platform Mobile Application for HEP Events	Mr VASILEV, Martin
3:00	M69 [M69] Application extensibility and customization - Indico's case	FERREIRA, Pedro
3:15	M51 [M51] Extending ROOT through Modules	SHADURA, Oksana
3:30	M96 [M96] A Python upgrade to the GooFit package for parallel fitting	SCHREINER, Henry Fredrick
3:45	M72 [M72] Vectorization of ROOT Mathematical Libraries	MONETA, Lorenzo

Tuesday, July 10, 2018

T5 - Software development: S3 - Concurrency - Hall 3 (11:00 AM - 12:30 PM)

-Conveners: **Barthelemy Von Haller**

time	[id] title	presenter
11:00	A116 [M16] I/O in the ATLAS multithreaded framework	CRANSHAW, Jack
11:15	S25 [M25] Hydra: A framework for data analysis in massively parallel platforms	ALVES JUNIOR, Antonio Augusto
11:30	S46 [M46] Supporting Future HEP Data Processing with a Parallelised ROOT	PIPARO, Danilo
11:45	A103 [M103] Implementing Concurrent Non-Event Transitions in CMS	JONES, Christopher
12:00	S47 [M47] Writing ROOT Data in Parallel with TBufferMerger	AMADIO, Guilherme
12:15	P57 [M57] A modular software framework for test-beam data analysis	RACHWAL, Bartlomiej

T5 - Software development: S4 - Frameworks - Hall 3 (2:00 PM - 4:00 PM)

-Conveners: **Patricia Mendez Lorenzo**

time	[id] title	presenter
2:00 P	M68 [M68] The core software framework for the LHCb Upgrade	PONCE, Sebastien
2:15 P	M28 [M28] Evolution of the ALICE Software Framework for LHC Run 3	EULISSE, Giulio
2:30 P	M15 [M15] The ATLAS multithreaded offline framework	SNYDER, Scott
2:45 P	M76 [M76] GNA: new framework for statistical data analysis	Ms FATKINA, Anna
3:00 P	M7 [M7] Physics data processing with micro-services	GYURJYAN, Vardan
3:15 P	M12 [M12] A generic data quality monitoring framework for HEP	ETE, Remi
3:30 P	M48 [M48] Performance optimization of the air shower simulation code for the Cherenkov Telescope Array	BREGEON, Johan
3:45 P	M91 [M91] Floating-point profiling of ACTS using Verrou	GRASLAND, Hadrien Benjamin LATHUILIÈRE, Bruno

Wednesday, July 11, 2018

T5 - Software development: S5.1 Interactive Frameworks - Hall 3 (11:30 AM - 12:00 PM)

-Conveners: Maiken Pedersen

time	[id] title	presenter
11:30	[349] Beautiful, simple and remote ROOT graphics and GUI	LINEV, Serguei
11:45	[428] Exploring server/web-client event display for CMS	MRAK TADEL, Alja

T5 - Software development: S5.2 - Software Packaging, Build Systems - Part 1 - Hall 3 (12:00 PM - 1:00 PM)

-Conveners: Maiken Pedersen

time	[id] title	presenter
12:00	[217] Software Packaging and Deployment in HEP	MORGAN, Benjamin
12:15	[108] Spack-Based Packaging and Development for HEP Experiments	KNOEPFEL, Kyle
12:30	[166] IceCube CVMFS Software and Spack	SCHULTZ, David
12:45	[319] dCache as open-source project showcase for education	Mr MKRTCHYAN, Tigran

Thursday, July 12, 2018

T5 - Software development: S6.1 - Software Packaging, Build Systems - Part 2 - Hall 3 (11:00 AM - 11:45 AM)

-Conveners: Maiken Pedersen

time	[id] title	presenter
11:00	A375 [A375] Bulding, testing and distributing common software for the LHC experiments	MENDEZ LORENZO, Patricia
11:15	A376 [A376] Testing of complex, large-scale distributed storage systems: a CERN disk storage case study	MANZI, Andrea
11:30	A377 [A377] Robust Linux Binaries	AMADIO, Guilherme

T5 - Software development: S6.2 - Continuous Integration - Hall 3 (11:45 AM - 12:30 PM)

-Conveners: Maiken Pedersen

time	[id] title	presenter
11:45	P206 [P206] LHCb continuous integration and deployment system: a message based approach	CHITIC, Stefan-Gabriel
12:00	P207 [P207] Monitoring LHCb Trigger developments using nightly integration tests and a new interactive web UI	Dr CURRIE, Robert Andrew
12:15	P209 [P209] Continuous Integration service at Fermilab	Dr DI BENEDETTO, Vito

T5 - Software development: S7 - Performance, Profiling, Code Optimization - Hall 3 (2:00 PM - 3:30 PM)

-Conveners: Patricia Mendez Lorenzo

time	[id] title	presenter
2:00 P	M246 [M246] Retroactive sustainability improvements in the MERLIN particle tracking code	Dr ROWAN, Scott
2:15 P	M302 [M302] Data mining techniques for software quality prediction in open source software: an initial assessment	CANAPARO, Marco
2:30 P	M328 [M328] Porting the LHCb Stack from x86 (Intel) to aarch64 (ARM)	PROMBERGER, Laura
2:45 P	M384 [M384] Implementation of Feldman-Cousins correction and oscillation calculations in the HPC environment for the NOvA and DUNE Experiments	SOUSA, Alexandre
3:00 P	M331 [M331] The Event Buffer Management for MT-SNiPER	ZOU, Jiaheng
3:15 P	M357 [M357] A plugin-based approach to data analysis for the AMS experiment on the ISS	FORMATO, Valerio