CHEP 2018 Conference, Sofia, Bulgaria

Tuesday, 10 July 2018

Posters: S1 (16:00 - 17:00)

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[47] FELIX: the new detector interface for the ATLAS experiment	KOLOS, Serguei	
[77] The impact of applying WildCards to dead modules for FTK pattern banks on efficiency and data flow.	BOUAOUDA, Khalil	
[114] The ATLAS Online Luminosity Software	KASTANAS, Alex	
[162] Object store stress testing for ATLAS distributed computing	LOVE, Peter	
[254] The ATLAS Access Manager Policy Browser: state-of-the-art web technologies for a rich and interactive data visualization experience	SOLOVIEV, Igor	
[257] Trigger Rate Monitoring Tools at CMS	WIGHTMAN, Andrew	
[393] The ATLAS Muon Trigger	HAYASHIDA, Shota	
[323] Online reconstruction of tracks and vertices using the Upgraded Inner Tracking System of ALICE at the LHC	CONCAS, Matteo	
[423] Online track fit for the ALICE TPC detector in Online-Offline framework	GORBUNOV, Sergey	
[459] The SLAC RCE Platform for ProtoDUNE-SP	Dr TSANG, Ka Vang	
[403] ALICE O2 setup for TPC read-out tests for the LHC run 3	LEHRBACH, Johannes	
[474] An integrated system for data quality and conditions assessment for the ATLAS Tile Calorimeter	SMIESKO, Juraj	
[570] Speedup approaches in a TPC Cellular Automaton track finder	KOZLOV, Grigory	
[500] Automating calibration at the Belle II detector	DOSSETT, David	
[96] Montoring virtual machines and containers with VacMon	Dr MCNAB, Andrew	
[164] Integration of a heterogeneous compute resource in the ATLAS workflow	BUHRER, Felix	
[304] Managing an heterogeneous scientific computing cluster with cloud-like tools: ideas and experience	BAGNASCO, Stefano	
[398] Distributed and Integrated IaaS and PaaS Cloud for Research - The INFN Corporate Cloud solution.	STALIO, Stefano	
[542] THE SERVICE FOR PARALLEL APPLICATIONS BASED ON THE JINR CLOUD AND HYBRILIT RESOURCES	Prof. OSOSKOV, G.	
[600] PaaS for web applications as key to the evolution of CERN Web Services	WAGNER, Andreas	
[562] PanDA WMS for Lattice QCD Computations	SVIRIN, Pavlo	
[539] The INFN scientific computing infrastructure: present status and future evolution	BOCCALI, Tommaso CARLINO, Gianpaolo DELL'AGNELLO, Luca LUCCHESI, Donatella	
[529] Low power, large scale HPC platforms for scientific and engineering applications: status of ExaNeSt and EuroExa H2020 FETHPC projects.	LONARDO, Alessandro	
[41] WISE Information Security for Collaborating e-Infrastructures	SHORT, Hannah	

[422] Producing Madgraph5_aMC@NLO gridpacks and using TensorFlow GPU resources in the CMS HTCondor Global Pool	HURTADO ANAMPA, Kenyi Paolo	
[436] Improving the Scheduling Efficiency of a Global Multi-core HTCondor Pool in CMS	LETTS, James	
[470] Performance of the AMS Offline Software at National Energy Research Scientific Computing Centre and Argonne Leadership Computing Facility	SHAN, Baosong	
[48] Factory Monitoring for the 21st century	FAJARDO HERNANDEZ, Edgar	
[50] Limits of the HTCondor transfer system	FAJARDO HERNANDEZ, Edgar	
[97] A fully modular framework for detector simulations in ROOT	SITZMANN, Philipp	
[128] ATLAS Software Installation on Supercomputers	UNDRUS, Alexander	
[129] ATLAS Global Shares Implementation in the PanDA Workload Management System	BARREIRO MEGINO, Fernando Harald	
[141] ATLAS Distributed Computing: Its Central Services core	LEE, Chris	
[144] Operation of the ATLAS distributed computing	GLUSHKOV, Ivan	
[147] The next generation PanDA Pilot for and beyond the ATLAS experiment	NILSSON, Paul	
[145] Spanish ATLAS Federated Tier2 and Tier1 perspective on computing over the next years	GONZALEZ DE LA HOZ, Santiago	
[160] Advanced Analytics service to enhance workflow control at the ATLAS Production System	TITOV, Mikhail	
[181] Towards a responsive CernVM-FS architecture	POPESCU, Radu	
[191] Understanding the evolution of conditions data access through Frontier for the ATLAS Experiment	SVATOS, Michal	
[195] Feature Updates In Pyglidein, An HTCondor Glidein Generator	SCHULTZ, David	
[264] CMS Workflow Failures Recovery Panel, Towards AI-assisted Operation	VLIMANT, Jean-Roch	
[507] Monitoring tools for the CMS muon detector: present workflows and future automation	CALABRIA, Cesare	
[235] Belle2Lab - Interactive Tool for Public Analysis of Belle II Data	PESTOTNIK, Rok	
[591] Application of Deep Learning on Integrating Prediction, Provenance, and Optimization	Dr SCHRAM, Malachi SCHRAM, Malachi	
[439] Bayesian optimisation of the SHiP active muon shield	LANTWIN, Oliver	
[337] Machine Learning based global particle identification algorithms at the LHCb experiment	HUSHCHYN, Mikhail	
[111] Perspectives for the migration of the LHCb geometry to the DD4hep toolkit	COUTURIER, Ben	
[420] New Developments in DD4hep	PETRIC, Marko	
[36] Belle2VR - A Virtual Reality Visualization of Subatomic Particle Physics	PIILONEN, Leo	
[301] Cherenkov Light in Liquid Scintillator at the NOvA Experiment: A Cautionary Tale	AURISANO, Adam	
[35] Track extrapolation and muon identification in Belle II event reconstruction	PIILONEN, Leo	
[275] Upgrade of CMS Full Simulation for Run-2	Prof. IVANTCHENKO, Vladimir	
[358] Optimizing Frameworks' Performance Using C++ Modules-Aware ROOT	TAKAHASHI, Yuka	
[378] Preliminary results coupling SMF and BLOB with Geant4	MANCINI-TERRACCIANO, Carlo	

[451] Tracking System Performance of the BM@N Experiment	VOYTISHIN, Nikolay	
[505] Measurement and simulation of the background in the CMS muon detectors	CALABRIA, Cesare	
[599] Numerical predictions of GEM nonlinear mechanical properties under large deformations	BOUHALI, Othmane	
[575] A new cluster finder for ALICE MUON arm for Run3	Mr MURRAY, Sean	
[317] Simulation approach for improving the computing network topology and performance of the China IHEP Data Center	NECHAEVSKIY, Andrey	
[424] Developing a monitoring system for Cloud-based distributed datacenters	VINO, Gioacchino	
[518] dCache development and testing on Openstack	VOSS, Christian	
[98] Three weeks long hackathon - LHCb's Puppet 3.5 to Puppet 4.9 migration.	MOHAMED, Hristo Umaru	
[554] Software packaging and distribution for LHCb using Nix	BURR, Chris	
[589] Belle II Documentation Effort using Sphinx	Dr RITTER, Martin	
[295] Development of profiling system for low-energy physics	AHN, Sang Un	
[117] Conditions data handling in the multithreaded ATLAS framework	LEGGETT, Charles	
[396] The GridKa WLCG Tier-1 Center: Status and Plans	PETZOLD, Andreas	
[54] Triggering on hadronic signatures in ATLAS – developments for 2017 and 2018	GOUVEIA, Emanuel	
[194] Data Quality Monitoring and Prompt Processing in the protoDUNE-SP experiment	POTEKHIN, Maxim	
[258] CMS ECAL DAQ system	CUCCIATI, Giacomo	
[259] CMS ECAL DAQ Monitoring system	CUCCIATI, Giacomo	
[268] New approaches for track reconstruction in LHCb's Vertex Locator	HASSE, Christoph	
[283] The Online Monitoring API for the DIALOG Library of the COMPASS Experiment	SUBRT, Ondrej	
[297] Fast online reconstruction of short-lived particles with KF Particle Finder in the CBM experiment	ZYZAK, Maksym	
[163] Containers usage on the ATLAS grid infrastructure	FORTI, Alessandra	
[395] Compact data stream for jets at ATLAS	KALDERON, William	
[407] DDS – The Dynamic Deployment System	LEBEDEV, Andrey	
[473] Data acquisition and Software the ATLAS Tile Calorimeter Phase-II Upgrade Demonstrator	YUE, Xiaoguang	
[571] Adoption of ARC-CE and HTCondor at GridKa Tier 1	SCHNEPF, Matthias Jochen	
[247] Running Oracle WebLogic on containers	APARICIO COTARELO, Borja	
[556] Online reconstruction of the collision topology in the CBM experiment	Dr AKISHINA, Valentina	
[587] A cluster finding algorithm for free-streaming input data	FRIESE, Volker	
[58] Merging OpenStack based private clouds: the case of CloudVeneto.it	Dr VERLATO, Marco	
[59] CAOS: a tool for OpenStack accounting management	CHIARELLO, Fabrizio Dr TRALDI, Sergio ANDREETTO, Paolo	
[161] Integrating a dynamic data federation into the ATLAS distributed data management system	BERGHAUS, Frank	
[170] Using Fat Containers on HPCs for the ATLAS Experiment	YANG, Wei	

[214] Using the autopilot pattern to deploy container resources at a WLCG Tier-2	ROY, Gareth Douglas	
[289] Deployment and monitoring of grid infrastructure and jobs	HARTMANN, Thomas	
[335] The EU Up to University Project - Bridging the gap between secondary and higher education	TEJEDOR SAAVEDRA, Enric	
[561] Advanced Scheduling in IaaS Clouds	BALASHOV, Nikita	
[410] The ComputeOps project: containers for HPC	CAVET, Cecile	
[584] Developing a Software Management and Testing Platform-as-a-Service for Research Software	WASHBROOK, Andrew John	
[594] The Cloud of geographically distributed data centers	Mr FEDCHENKOV, Petr	
[603] Collaborative Scientific Authoring at CERN: A user-centered approach	KASIOUMIS, Nikos	
[545] SPT-3G Computing	RIEDEL, Benedikt	
[476] ATLAS utilisation of the Czech national HPC center	SVATOS, Michal	
[533] Modeling Allocation Utilization Strategies on Supercomputers	POYDA, Alexey TITOV, Mikhail	
[513] Recent developments in glideinWMS: minimizing resource wastages	MASCHERONI, Marco	
[472] Research and Exploit of Resource Sharing Strategy at IHEP	JIANG, Xiaowei SHI, Jingyan ZOU, Jiaheng	
[60] The ATLAS Trigger Menu design for higher luminosities in Run 2	MONTEJO BERLINGEN, Javier	
[218] Fair Share Scheduler for OpenNebula (FaSS): implementation and performance tests	Dr BAGNASCO, Stefano VALLERO, Sara ZACCOLO, Valentina	
[593] Experience in using public Cloud for Belle II experiment within HNSciCloud Project.	PARDI, Silvio	
[355] The Security model of the ALICE next generation Grid framework	YURCHENKO, Volodymyr	
[76] g4tools/4.x with an HDF5 IO driver and row-wise ntuple to handle single file IO in the ROOT format in a parallel-computing context.	Dr BARRAND, Guy	
[130] Improving ATLAS computing resource utilization with HammerCloud	SCHOVANCOVA, Jaroslava	
[215] Addressing scalability with message queues: architecture and use cases for DIRAC interware	KRZEMIEN, Wojciech Jan	
[251] HPC resource integration into CMS Computing via HEPCloud	HUFNAGEL, Dirk	
[286] FERRY: Access Control and Quota Management Service	DI BENEDETTO, Vito	
[546] Particle track building with Recurrent Neural Networks	FARRELL, Steven Andrew	
[89] Concurrent Adaptative Load Balancing at (@CERN)	TOTEVA, Zhechka	
[278] Thoughts on using python, numpy, and scikit-learn for HEP analysis	WATTS, Gordon	
[158] New fitting concept in ATLAS muon tracking for the LHC Run II	MARSHALL, Zachary Louis	
[226] CMS event reconstruction status in Run 2	PERROTTA, Andrea	
[110] The ATLAS Trigger Simulation with Legacy Software	BERNIUS, Catrin	
[213] AlphaTwirl: a python library for summarizing event data into multi-dimensional categorical data	Dr SAKUMA, Tai	
[280] Beyond the run boundaries: monitoring and calibrating the detector and the trigger validation of the CMS experiment across runs	CERMINARA, Gianluca	
[303] namespace root	Dr BARRAND, Guy	

[457] Simulation of a Fast Timing Micro-Pattern Gaseous Detector for TOF-PET and future accelerators	RADOGNA, Raffaella	
[567] Local Reconstruction Algorithms in the Cathode Strip Chambers of CMS	PANEVA, Mirena	
[583] Background sensitivity studies for GEM based detectors using a geant4 simulation	VAI, Ilaria	
[72] Trident: A three pronged approach to analysing node utilisation	MURALIDHARAN, Servesh	
[92] Design and development of vulnerability management portal for DMZ admins powered by DBPowder	MURAKAMI, Tadashi	
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[106] Evolution of monitoring, accounting and alerting services at INFN-CNAF Tier1	Mr FATTIBENE, Enrico	
[223] GridKa network development towards LHC run 3 and run 4 (HL)	HOEFT, Bruno Heinrich	
[229] Increasing Windows security by hardening PC configurations	MARTIN ZAMORA, Pablo	
[236] Evolving CERN’s Network Configuration Management System	STANCU, Stefan Nicolae	
[242] Establishment of new WLCG Tier Center using HTCondorCE on UMD middleware.	Dr RYU, Geonmo	
[252] Integrated automation for configuration management and operations in the ATLAS online computing farm	SANCHEZ PINEDA, Arturo	
[604] Optimising Lattice QCD for GPUs	Dr KAMLEH, Waseem	
[308] CDS Videos - The new platform for CERN videos	Mr COSTA, Flavio Mr GABANCHO, Esteban Mr GONZALEZ LOPEZ, Jose Benito Mrs MARIAN, Ludmila Mr TAROCCO, Nicola Mr WITOWSKI, Sebastian	
[385] Equal cost multi pathing in high power systems with TRILL	BAGINYAN, Andrey	
[468] Power Usage Effectiveness analysis and optimization in the INFN CNAF Tier-1 data center infrastructure.	RICCI, Pier Paolo	
[484] SGSI project at CNAF	FATTIBENE, Enrico	
[519] Service monitoring system for JINR Tier-1	PELEVANYUK, Igor	
[530] Automation and Testing for Simplified Software Deployment	SAILER, Andre	
[119] A new approach for ATLAS Athena job configuration	LAMPL, Walter	
[302] gopaw is for "Good Old PAW". gopaw is a rewriting of CERN/PAW by using the softinex inlib/exlib C++ classes.	Dr BARRAND, Guy	
[350] Continuous Performance Benchmarking Framework for ROOT	SHADURA, Oksana	
[55] Run Control Software for the Upgrade of the ATLAS Muon to Central Trigger Processor Interface (MUCTPI)	SPIWOKS, Ralf	
[510] Patatrack	PANTALEO, Felice	
[175] IT Service Management at CERN: Data Centre and Service monitoring and status	MARTIN CLAVO, David	
[126] Broadcasting dynamic metadata content to external web pages using AMI (ATLAS Metadata Interface) embeddable components	Mr LAMBERT, Fabian	
[138] Xcache in the ATLAS Distributed Computing Environment	YANG, Wei	

[354] Dynamic and on-demand data streams	FORMATO, Valerio	
[69] Dynafed: Common directions for http and cloud storage federations	FURANO, Fabrizio	
[224] Gaining insight from large data volumes with ease	KUZNETSOV, Valentin Y	
[483] Using Lustre and SLURM to process Hadoop workloads and extending to the WLCG	TRAYNOR, Daniel Peter	
[82] Backup Infrastructure at CERN	IRIBARREN, Alex LEDUC, Julien	
[146] Estimating Time To Complete for ATLAS data transfers	BOGADO GARCIA, Joaquin Ignacio	
[430] Final Analysis Sample Metadata	MEADE, PATRICK	
[514] Distributed caching system for a multi-site DPM storage	DORIA, Alessandra	
[432] JADE3	MEADE, PATRICK	
[327] XRootD plug-in based solutions for site specific requirements	KNEDLIK, Jan	
[427] Best Practices in Accessing Tape-Resident Data in HPSS	YU, David	
[392] A simulation tool for ALICE storage and computing resource usage	ABRAMYAN, Armenuhi MANUKYAN, Narine	
[597] Using Machine Learning for Precision Measurements	Dr BOURILKOV, Dimitri	
[366] RDMA-accelerated data transport in ALFA	KLEIN, Dennis	
[416] Evolution of the VISPA-project	FISCHER, Benjamin	
[321] Performance Analysis of Effective Symbolic Methods for Solving Band Matrix SLEs	VENEVA, Milena	
[113] Dataclient	FATTIBENE, Enrico	
[139] Remote data access in computational jobs on the ATLAS data grid	BEGY, Volodimir	
[153] Kudu prototypes for the ATLAS EventIndex and the future Event WhiteBoard	BARANOWSKI, Zbigniew	
[305] Shared Memory Transport for ALFA	RYBALCHENKO, Alexey	
[314] Particle Flow reconstruction in the Level-1 trigger at CMS for the HL-LHC	NGADIUBA, Jennifer	
[348] JavaScript ROOT v5	LINEV, Serguei	
[540] An open source data transfer toolkit for research data	COLLING, David	
[579] Using ZFS to manage Grid storage and improve middleware resilience	CURRIE, Robert Andrew LI, Teng	
[595] Optimising XRootD access to erasure coded object stores	DEWHURST, Alastair APPLEYARD, Rob	
[437] Deploying and extending CMS Tier 3s using VC3 and the OSG Hosted CE service	HURTADO ANAMPA, Kenyi Paolo	
[450] Decay Chain Reconstruction in Belle II	Dr TENCHINI, Francesco	
[482] SHiP Spectrometer Optimization using Bayesian optimization with Gaussian processes	HUSHCHYN, Mikhail	
[56] XRootD Erasure Coding Plugin	SIMON, Michal Kamil PETERS, Andreas Joachim	
[64] A Simplified Computing Framework for FPGA-Accelerated Workloads	OJIKA, David Nonso	
[43] Securing and sharing Elasticsearch resources with ReadonlyREST	TOTEVA, Zhechka	

[51] Ready to Go Data Transfers: supporting the long tail of science	MANZI, Andrea	
[124] Optimizing access to conditions data in ATLAS event data processing	RINALDI, Lorenzo	
[155] Grid production with the ATLAS Event Service	FULLANA TORREGROSA, Esteban	
[152] The ATLAS Wide-Range Database & Application Monitoring	VASILEVA, Petya Tsvetanova	
[238] A Historic Data Quality Monitor (HDQM) tool for the CMS TRACKER Detector	LOUKAS, Dimitrios	
[271] Improvements to the LHCb software performance testing infrastructure using message queues and big data technologies	SZYMANSKI, Maciej Pawel	
[412] Extending the Manchester site with containers and cloud technology	MCNAB, Andrew	
[331] Geant4 validation web application	RAZUMOV, Ivan POKORSKI, Witold	
[477] The GridKa Tape System: monitoring and failure analysis	Mr LOBONTU, Dorin	
[520] Managing data recovery for Long Term Data Preservation	Dr DAL PRA, Stefano	
[573] GenEx - a modular software framework of MC event generator for exclusive processes	GONCERZ, Mateusz Jacek	
[461] GRID-based off-line infrastructure for the PADME experiment at the DAFNE BTF	DE SALVO, Alessandro	

Wednesday, 11 July 2018

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