24th International Conference on Computing in High Energy & Nuclear Physics

Tuesday, November 5, 2019

Posters: A - Hall F (3:30 PM - 4:30 PM)

[id] title	presenter	board
[614] Evaluation of Linux distributions for SoC devices on custom electronics in the CMS Network	DOBSON, Marc	
[346] SDN for End-to-End Networking at Exascale	VLIMANT, Jean-Roch	
[572] Partial wave analysis with OpenAcc	XIAO, Yanjia	
[171] A culture shift: transforming learning at CERN	BUKOWIEC, Sebastian	
[75] An ARM cluster for running CMSSW jobs	LINDÉN, Tomas	
[402] System testing CERN physics archival software using Docker and Kubernetes	LEDUC, Julien	
[283] Modularization of the LHCb software environment and preparation for heterogeneous resources	CLEMENCIC, Marco	
[408] Evolution of the load balancing server	SAIZ, Pablo	
[261] Evaluation of a new visualization and analytics solution for slow control data for large scale experiments	SARGSYAN, Laura	
[323] Federated User Account Management	MISAWA, Shigeki	
[231] Erratic server behavior detection using machine learning on streams of monitoring data	ADAM, Martin	
[160] Jupyter-based service for JUNO analysis	LI, Weidong	
[462] A Lightweight Door into Non-grid Sites	SFILIGOI, Igor	
[88] Computing for the general public at CERN's Science Gateway	SHORT, Hannah	
[487] The upgrade and re-validation of the Compact Muon Solenoid Electromagnetic Calorimeter Control and Safety Systems during the second Long Shutdown of the Large Hadron Collider at CERN	Mr JIMENEZ ESTUPINAN, Raul	
[108] Tile-in-One: An integrated system for data quality and conditions assessment for the ATLAS Tile Calorimeter	SMIRNOV, Iouri	
[123] The ATLAS Hardware Track Trigger design towards first prototypes	BOVEIA, Antonio	
[426] Conditions Databases at FNAL	VAANDERING, Eric	
[246] Installing and administrating the ATLAS Metadata Interface (AMI) ecosystem	Dr ODIER, Jerome	
[486] Recent evolutions in the LTDP CDF project	DELL'AGNELLO, luca	
[233] The GridKa Tape Storage: various performance test results and current improvements	MUSHEGHYAN, Haykuhi	
[259] ITER data infrastructure and mapping of experimental data and machine description into a shared data format.	LAHIFF, Andrew	

[381] Reconstruction and analysis of ECal performance in the simulation of MpdRoot	Dr HUANG, Yan	
[376] A global track finding algorithm for CGEM +DC with Hough Transform	Dr WU, Linghui	
[206] A Faster, More Accessible RooFit	HAGEBOECK, Stephan	
[519] pyhf: a pure Python implementation of HistFactory with tensors and autograd	FEICKERT, Matthew	
[167] JUNO Calibration Complex and its Simulation	Prof. ZHANG, Qingmin	
[405] Visualising the Emergent Nonperturbative Structure of QCD	LEINWEBER, Derek	
[349] Signature of the chiral magnetic effect on the lattice.	Mr CHARVETTO, Josh	
[436] Token-based authorization in the StoRM WebDAV service	CECCANTI, Andrea	
[397] End-to-end Deep Learning Fast Simulation Framework	IFRIM, Ioana	
[57] Calibration and Performance of the CMS Electromagnetic Calorimeter in LHC Run2	ROVELLI, Chiara Ilaria	
[247] Design principles of the Metadata Querying Language (MQL) implemented in the ATLAS Metadata Interface (AMI) ecosystem	ODIER, Jerome	
[510] Distributed Caching in the WLCG	FISCHER, Max	
[341] Data Management and User Data Portal at CSNS	Mr TANG, Ming	
[194] Compass SPMD, a SPMD vectorized tracking algorithm	FERNANDEZ DECLARA, Placido	
[83] Status and future of the CMS Tracker DCS	KARIMEH, Wassef	
[298] SAGE – An Exascale Architecture based on Object Storage	DAVIS, Andrew	
[556] Fine Tuning of Generative Models for the Fast Simulation	RATNIKOV, Fedor	
[428] GTS - Garfield-based Triple-GEM Simulator	FARINELLI, Riccardo	
[425] Generative Adversarial Network for Background Generation in the KLM subsystem at Belle II	PIILONEN, Leo	
[324] The Virtual Geometry Model	HRIVNACOVA, Ivana	
[163] Light-weight Grid Computing for Small Group Use Cases	Mr ZHANG, Aiqiang	
[453] Featherweight Communication Between The Tasks For Spark	Mr WANG, YI	
[284] A gateway between Gitlab CI and DIRAC	COUTURIER, Ben	
[547] Network infrastructure for CZ Tier-2 Center	CHUDOBA, Jiri	
[48] Infrsastracture ACI fabric based on EVPN MPBGP and TRILL data transfer protocols for Tier 1 and Tier 2 data centers	BAGINYAN, Andrey	
[38] On the sensitivity of direct detection experiments to multi-component dark matter.	SCAFFIDI, Andre	
[36] BAT.jl – Upgrading the Bayesian Analysis Toolkit	GRUNWALD, Cornelius GRUNWALD, Cornelius	
[150] Machine Learning Pipelines for HEP Using Big Data Tools Applied to Improving Event Filtering	ZANETTI, Marco	
[322] New Developments in the VMC Project	HRIVNACOVA, Ivana	
[80] NANOAOD: a new compact event data format in CMS	EHATAHT, Karl	
[530] Applying OSiRIS NMAL to Network Slices on SLATE	MC KEE, Shawn	

[520] Production Operations Management System (POMS) for Fermilab experiments	HERNER, Kenneth Richard	
[484] Setup and commissioning of a high-throughput analysis cluster	CASPART, Rene	
[481] A Functional Declarative Analysis Language in Python	TORRO PASTOR, Emma	
[424] The eXtreme-DataCloud project - solutions for data management services in distributed e-infrastructures	FUHRMANN, Patrick	
[342] Improvements in the NOvA Detector Simulation based on JINR stand measurements	SAMOYLOV, Oleg	
[300] Code health in EOS: Improving test infrastructure and overall service quality	PETERS, Andreas Joachim	
[239] Enhancements in Functionality of the Interactive Visual Explorer for ATLAS Computing Metadata	PADOLSKI, Siarhei	
[77] Detector Construction Application for CMS Ph2 Detectors	RAPSEVICIUS, Valdas	
[501] Optimizing Provisioning of LCG Software Stacks with Kubernetes	GANIS, Gerardo	
[217] Standalone containers with ATLAS offline software	FORTI, Alessandra	
[196] Using ML to Speed Up New and Upgrade Detector Studies	RATNIKOV, Fedor	
[159] Evolution of the Data Quality Monitoring and Prompt Processing System in the protoDUNE-SP experiment	POTEKHIN, Maxim	
[136] The evolution of the ALICE O2 monitoring system	WEGRZYNEK, Adam	

Thursday, November 7, 2019

Posters: B - Hall F (3:30 PM - 4:30 PM)

[id] title	presenter	board
[380] BESIII utilization of the Tianhe-2 supercomputer	MA, Qiumei	
[147] BESIII drift chamber tracking with machine learning	ZHANG, Yao	
[566] BSM: Bundled Software Manager toolkit and the application for CEPC	ZHAO, Xianghu	
[155] Winventory: microservices architecture case study	BUKOWIEC, Sebastian	
[350] Knowledge sharing on deep learning in physics research using VISPA	FACKELDEY, Manfred Peter	
[321] An automatic solution to make HTCondor more stable and easier	Mr JIANG, Xiaowei	
[435] Evolution of the STFC's Tape archival service	ELLIS, Katy	
[363] A fully unprivileged CernVM-FS	BLOMER, Jakob	
[564] Consolidating the Grid and interactive analysis infrastructure at DESY - past and future	HARTMANN, Thomas	
[475] Feasibility tests of RoCE for the cluster-based event building in LHCb	KRAWCZYK, Rafal Dominik	
[257] Artificial load generation for xcache and reduction of application write delay	SCIABÀ, Andrea	
[128] Testing the limits of HTTPS single point third party copy transfer over the WAN	BOCKELMAN, Brian Paul	
[228] Event Streaming Service for ATLAS Event Processing	BOCKELMAN, Brian Paul	
[303] Evolution of the filesystem interface of the EOS Open Storage system	PETERS, Andreas Joachim	
[211] Data-centric Graphical User Interface of the ATLAS EventIndex Service	HRIVNAC, Julius	
[478] CERNBox as the hyper-converged storage space at CERN: integrating DFS use-cases and home directories	MASCETTI, Luca	
[451] TGenBase - general purpose database engine for HEP	Dr LAVRIK, Evgeny	
[354] Named Data Networking based File Access for XRootD	VLIMANT, Jean-Roch	
[304] Using the RichACL Standard for Access Control in EOS	PETERS, Andreas Joachim	
[133] Alignment of the BESIII end cap TOF system	SUN, Shengsen	
[495] Particle Track Reconstruction with Quantum Algorithms	CARMINATI, Federico	
[230] A new PyROOT: Modern, Interoperable and more Pythonic	TEJEDOR SAAVEDRA, Enric	
[452] Fast Inference for Machine Learning in ROOT/TMVA	AN, Sitong	
[422] Striped Data Analysis Framework	GUTSCHE, Oliver	
[409] Hybrid analysis pipelines in the REANA reproducible analysis platform	RODRIGUEZ RODRIGUEZ, Diego	
[385] Visualisations of the non-trivial QCD vacuum	Mr BIDDLE, James	
[336] Study of the influence of initial-state fluctuations on hydrodynamic simulations	Dr SLODKOWSKI, Marcin	
[256] Global fit of the minimal composite Higgs model using differential evolution	CARRAGHER, Ethan	
[525] BNL Cloud Storage Service BNLBox	RIND, Ofer	
[357] Making cheap disks cheap with dCache storage events and QoS	MKRTCHYAN, Tigran	

[517] Upgrade of CMS non-event data infrastructure for the Run 3 High Level Trigger	MOMMSEN, Remi	
[132] Upgrade of the KEDR detector DAQ system	Mr MAXIMOV, Dmitriy	
[550] Security Mechanism for user access to Single SSID WLAN	WANG, Li	
[332] Cosmos : A Unified Accounting System both for HTCondor and Slurm Clusters at IHEP	JIANG, Xiaowei	
[102] Analyzing storage access data with Apache-Spark and Jupiter notebooks	HARTMANN, Thomas	
[508] Predicting resource usage for enhanced job scheduling for opportunistic resources in HEP	FISCHER, Max	
[459] ComputeOps: container for High Performance Computing	GADRAT, Sébastien	
[466] Status of the Belle II simulation library	KIM, Doris Yangsoo	
[244] ATLAS Event Store and I/O developments in support for Production and Analysis in Run 3	NOWAK, Marcin	
[241] Fast Simulation in ATLAS	GRAY, Heather	
[105] ATLAS Tile Calorimeter Conditions Database architecture and operations in Run-2	SMIRNOV, Iouri	
[522] Offline Software Management of the AMS experiment	WEI, Jiahui	
[558] TMPIFile: A New Parallel I/O Solution in ROOT	FARRELL, Steven	
[56] CConcurrent Conditions Access across Validity Intervals in CMSSW	JONES, Christopher	
[94] Debugging Compute Clusters with Techniques from Functional Programming and Text Stream Processing	Mr ADLER, Alexander	
[81] Evolution of the CloudVeneto.it private cloud to support research and innovation	ZANETTI, Marco	
[148] The Belle II Raw Data Management system	HERNANDEZ VILLANUEVA, Michel	
[299] Fast and Efficient Entropy Compression of ALICE Data using ANS Coding	LETTRICH, Michael	
[333] A multi-purpose user interface for the iFDAQ of the COMPASS experiment	Mr KVETON, Antonin	
[491] Migration of user and project spaces with EOS\CERNBox: experience on scaling and large-scale operations	MASCETTI, Luca	
[537] Cyber security monitoring for IHEP data centers	FAZHI, Qi	
[560] Distributed Computing for the Project 8 experiment	LAROQUE, Benjamin	
[496] Quantum Optimization of Worldwide LHC Computing Grid data placement	CARMINATI, Federico	
[573] Accelerating the simulation process in gas based charged particle detectors	BOUHALI, Othmane	
[559] The updated DESGW processing pipeline for the third LIGO-VIRGO observing season	HERNER, Kenneth Richard	
[482] HEP Data Query Challenges	PROFFITT, Mason	
[454] Monitoring and Analytics at INFN Tier-1: the next step	MARTELLI, Barbara	
[386] Distributed resources of the Czech WLCG Tier-2 center	CHUDOBA, Jiri	
[339] ROOT I/O improvements for HEP analysis	SHADURA, Oksana	
[318] IRIS – Providing a Nationally Accessible Infrastructure for UK Science	LAHIFF, Andrew	
[264] Space point calibration of the ALICE TPC with track residuals	SCHMIDT, Marten Ole	

[253] The use of Convolutional Neural Networks for signal-background classification in Particle Physics experiments	Dr AYYAR, Venkitesh	
[240] Generative modeling for shower simulation in ATLAS	RAINE, Johnny	
[186] Dataset Searching Webapp in Belle II	SMITH, Kim	
[124] ATLAS Level-1 Endcap Muon Trigger for Run 3	MIZUKAMI, Atsushi	