## Computing Publications with Major Personal Contributions

## Oliver Gutsche

## September 3, 2018

- L. Bauerdick et al., HEP Software Foundation Community White Paper Working Group Data Analysis and Interpretation, (2018), arXiv:1804.03983 [physics.comp-ph]
- A.A. Alves Jr et al., A Roadmap for HEP Software and Computing R&D for the 2020s, (2017), arXiv:1712.06982 [physics.comp-ph]
- L. Bauerdick et al., **Experience in using commercial clouds in CMS**, *J. Phys. Conf. Ser.* 898 (2017) 052019, doi:10.1088/1742-6596/898/5/052019
- J. Chang et al., Striped Data Server for Scalable Parallel Data Analysis, in: 18th International Workshop on Advanced Computing and Analysis Techniques in Physics Research (ACAT 2017) Seattle, WA, USA, August 21-25, 2017, 2017. http://lss.fnal.gov/archive/2018/conf/fermilab-conf-18-016-cd.pdf
- O. Gutsche et al., CMS Analysis and Data Reduction with Apache Spark, in: 18th International Workshop on Advanced Computing and Analysis Techniques in Physics Research (ACAT 2017) Seattle, WA, USA, August 21-25, 2017, 2017. http://lss.fnal.gov/archive/2017/conf/fermilab-conf-17-465-cd.pdf, arXiv:1711.00375 [cs.DC]
- O. Gutsche et al., Big Data in HEP: A comprehensive use case study, J. Phys. Conf. Ser. 898 (2017) 072012, doi:10.1088/1742-6596/898/7/072012, arXiv:1703.04171 [cs.DC]
- B. Holzman et al., **HEPCloud**, a New Paradigm for HEP Facilities: CMS Amazon Web Services Investigation, Comput. Softw. Big Sci. 1 (2017) 1, doi:10.1007/s41781-017-0001-9, arXiv:1710.00100 [cs.DC]
- S. Habib et al., ASCR/HEP Exascale Requirements Review Report, (2016), arXiv:1603.09303 [physics.comp-ph]
- A. Apyan et al., **Pooling the resources of the CMS Tier-1 sites**, *J. Phys. Conf. Ser.* 664 (2015) 042056, doi:10.1088/1742-6596/664/4/042056
- J. Balcas et al., Using the GlideinWMS System as a Common Resource Provisioning Layer in CMS, *J. Phys. Conf. Ser.* 664 (2015) 062031, doi:10.1088/1742-6596/664/6/062031
- J. Balcas et al., Pushing HTCondor and glideinWMS to 200K+ Jobs in a Global Pool for CMS before Run 2, J. Phys. Conf. Ser. 664 (2015) 062030, doi:10.1088/1742-6596/664/6/062030
- C. Group et al., Fermilab Computing at the Intensity Frontier, J. Phys. Conf. Ser. 664 (2015) 032012, doi:10.1088/1742-6596/664/3/032012
- G. Garzoglio et al., Diversity in Computing Technologies and Strategies for Dynamic Resource Allocation, J. Phys. Conf. Ser. 664 (2015) 012001, doi:10.1088/1742-6596/664/1/012001
- T. LeCompte et al., High Energy Physics Forum for Computational Excellence: Working Group Reports (I. Applications Software II. Software Libraries and Tools III. Systems), (2015), arXiv:1510.08545 [physics.comp-ph]
- J. Adelman et al., CMS computing operations during run 1, J. Phys. Conf. Ser. 513 (2014) 032040, doi:10.1088/1742-6596/513/3/032040
- S. Belforte et al., Evolution of the pilot infrastructure of CMS: towards a single glideinWMS pool, J. Phys. Conf. Ser. 513 (2014) 032041, doi:10.1088/1742-6596/513/3/032041
- S. Campana et al., Deployment of a WLCG network monitoring infrastructure based on the perfSONAR-PS technology, J. Phys. Conf. Ser. 513 (2014) 062008, doi:10.1088/1742-6596/513/6/062008
- S. Cury et al., Event processing time prediction at the CMS experiment of the Large Hadron Collider, J. Phys. Conf. Ser. 513 (2014) 032023, doi:10.1088/1742-6596/513/3/032023

September 3, 2018 1 of 2

- I. Dzhunov et al., **Towards a centralized Grid Speedometer**, *J. Phys. Conf. Ser.* 513 (2014) 032028, doi:10.1088/1742-6596/513/3/032028
- P. Kreuzer et al., **Opportunistic Resource Usage in CMS**, *J. Phys. Conf. Ser.* 513 (2014) 062028, doi:10.1088/1742-6596/513/6/062028
- I. Sfiligoi et al., CMS experience of running glideinWMS in High Availability mode, J. Phys. Conf. Ser. 513 (2014) 032086, doi:10.1088/1742-6596/513/3/032086
- T. Chwalek et al., **No file left behind monitoring transfer latencies in PhEDEx**, *J. Phys. Conf. Ser.* 396 (2012) 032089, doi:10.1088/1742-6596/396/3/032089
- E. Fajardo et al., **A New Era for Central Processing and Production in CMS**, *J. Phys. Conf. Ser.* 396 (2012) 042018, doi:10.1088/1742-6596/396/4/042018
- R. Kaselis et al., CMS Data transfer operations after the first years of LHC collisions, J. Phys. Conf. Ser. 396 (2012) 042033, doi:10.1088/1742-6596/396/4/042033
- J. Molina-Perez et al., Monitoring techniques and alarm procedures for CMS services and sites in WLCG, J. Phys. Conf. Ser. 396 (2012) 042041, doi:10.1088/1742-6596/396/4/042041
- J. Adelman-McCarthy et al., **CMS distributed computing workflow experience**, *J. Phys. Conf. Ser.* 331 (2011) 072019, doi:10.1088/1742-6596/331/7/072019
- M. Albert et al., Experience building and operating the CMS Tier-1 computing centres, J. Phys. Conf. Ser. 219 (2010) 072035, doi:10.1088/1742-6596/219/7/072035
- D. Bradley et al., Use of glide-ins in CMS for production and analysis, J. Phys. Conf. Ser. 219 (2010) 072013, doi:10.1088/1742-6596/219/7/072013
- O. Gutsche, Validation of Software Releases for CMS, J. Phys. Conf. Ser. 219 (2010) 042040, doi:10.1088/1742-6596/219/4/042040
- W. Adam et al., Stand-alone Cosmic Muon Reconstruction Before Installation of the CMS Silicon Strip Tracker, JINST.~4~(2009)~P05004,~doi:10.1088/1748-0221/4/05/P05004,~arXiv:0902.1860~[physics.ins-det]
- D. Evans et al., Large scale job management and experience in recent data challenges within the LHC CMS experiment, PoS. ACAT08 (2008) 032, doi:10.22323/1.070.0032
- O. Gutsche et al., WLCG scale testing during CMS data challenges, J. Phys. Conf. Ser. 119 (2008) 062033, doi:10.1088/1742-6596/119/6/062033
- D. Spiga et al., CRAB: The CMS distributed analysis tool development and design, Nucl. Phys. Proc. Suppl. 177-178 (2008) 267–268, doi:10.1016/j.nuclphysbps.2007.11.124
- D. Spiga et al., **The CMS Remote Analysis Builder (CRAB)**, Lect. Notes Comput. Sci. 4873 (2007) 580–586, doi:10.1007/978-3-540-77220-0 52
- F. Farina et al., Status and evolution of CRAB, PoS. ACAT (2007) 020, doi:10.22323/1.050.0020
- O. Kind et al., A ROOT based client server event display for the ZEUS experiment, eConf. C0303241 (2003) MOLT002, arXiv:hep-ex/0305095 [hep-ex]
  - Full List of Physics Publications with Major Personal Contributions can be found here.
  - Full List of Publications from all Collaborations and Experiments can be found here.

September 3, 2018 2 of 2