

# Computing Publications with Major Personal Contributions

Oliver Gutsche

June 10, 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](#)]

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](#)]

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](#)]

- 
- Full List of Physics Publications with Major Personal Contributions can be found [here](#).
  - Full List of Computing Publications with Major Personal Contributions can be found [here](#).
  - Full List of Publications from all Collaborations and Experiments can be found [here](#).