

Computing Publications with Major Personal Contributions

Oliver Gutsche

October 1, 2020

N. Smith et al., **Coffea – Columnar Object Framework For Effective Analysis**, in: **24th International Conference on Computing in High Energy and Nuclear Physics (CHEP 2019)** Adelaide, Australia, November 4-8, 2019, 2020, arXiv:[2008.12712](#) [[cs.DC](#)]

J. Albrecht et al., **A Roadmap for HEP Software and Computing R & D for the 2020s**, *Comput. Softw. Big Sci.* 3 (2019) 7, doi:[10.1007/s41781-018-0018-8](#), arXiv:[1712.06982](#) [[physics.comp-ph](#)]

M. Cremonesi et al., **Using Big Data Technologies for HEP Analysis**, *EPJ Web Conf.* 214 (2019) 06030, doi:[10.1051/epjconf/201921406030](#), arXiv:[1901.07143](#) [[cs.DC](#)]

L. Bauerdick et al., **HEP Software Foundation Community White Paper Working Group - Data Analysis and Interpretation**, (2018), arXiv:[1804.03983](#) [[physics.comp-ph](#)]

D. Berzano et al., **HEP Software Foundation Community White Paper Working Group – Data Organization, Management and Access (DOMA)**, (2018), arXiv:[1812.00761](#) [[physics.comp-ph](#)]

J. Chang et al., **Striped Data Server for Scalable Parallel Data Analysis**, *J. Phys. Conf. Ser.* 1085 (2018) 042035, doi:[10.1088/1742-6596/1085/4/042035](#)

O. Gutsche et al., **CMS Analysis and Data Reduction with Apache Spark**, *J. Phys. Conf. Ser.* 1085 (2018) 042030, doi:[10.1088/1742-6596/1085/4/042030](#), 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](#)]

-
- 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](#).