

# Computing Publications with Major Personal Contributions

Oliver Gutsche

July 14, 2021

- N. Smith et al., **Coffea: Columnar Object Framework For Effective Analysis**, *EPJ Web Conf.* 245 (2020) 06012, doi:[10.1051/epjconf/202024506012](https://doi.org/10.1051/epjconf/202024506012), arXiv:[2008.12712](https://arxiv.org/abs/2008.12712) [cs.DC]
- M. Cremonesi et al., **Using Big Data Technologies for HEP Analysis**, *EPJ Web Conf.* 214 (2019) 06030, doi:[10.1051/epjconf/201921406030](https://doi.org/10.1051/epjconf/201921406030), arXiv:[1901.07143](https://arxiv.org/abs/1901.07143) [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](https://doi.org/10.1007/s41781-018-0018-8), arXiv:[1712.06982](https://arxiv.org/abs/1712.06982) [physics.comp-ph]
- D. Berzano et al., **HEP Software Foundation Community White Paper Working Group – Data Organization, Management and Access (DOMA)**, (2018). <http://arxiv.org/abs/1812.00761>, arXiv:[1812.00761](https://arxiv.org/abs/1812.00761) [physics.comp-ph]
- L. Bauerdick et al., **HEP Software Foundation Community White Paper Working Group - Data Analysis and Interpretation**, (2018). <http://arxiv.org/abs/1804.03983>, arXiv:[1804.03983](https://arxiv.org/abs/1804.03983) [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](https://doi.org/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](https://doi.org/10.1088/1742-6596/1085/4/042030), arXiv:[1711.00375](https://arxiv.org/abs/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](https://doi.org/10.1088/1742-6596/898/7/072012), arXiv:[1703.04171](https://arxiv.org/abs/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](#).