

# List of Presentation and Talks

Oliver Gutsche

September 7, 2018

O. Gutsche, **The Future of Large Scale Scientific Computing - Trends in computing hardware**, (2018), [US ATLAS Workshop 2018 Open Day](#) at the University of Pittsburgh, ([Material](#))

O. Gutsche, **The Future of Large Scale Scientific Computing**, (2018), [Colloquium](#) given at the Physics Department at the University of Massachusetts Amherst, ([Material](#))

O. Gutsche, **Particle Physics - A world wide journey from recording particles to analysis using big computing**, (2017), Plenary Talk at the Chicago Council on Science & Technology Panel: [Fermilab and the New Frontiers of Physics](#), ([Material](#))

O. Gutsche, **CMS Analysis and Data Reduction with Apache Spark**, (2017), Parallel Session Talk at the 18th International Workshop on Advanced Computing and Analysis Techniques in Physics Research ([ACAT 2017](#)), ([Material](#))

O. Gutsche, **50 years Fermilab - Computing Innovations**, (2017), Talk at the Fermilab 50th Anniversary [Symposium](#), ([Material](#))

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- Full List of Presentations and Talks can be found [here](#).