

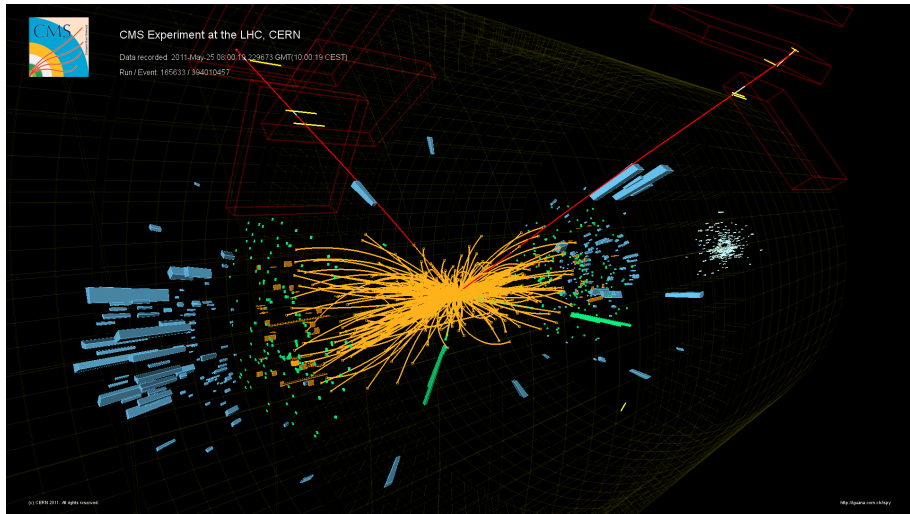
Introduction to Monte Carlo Event Generation

CTEQ School 2018

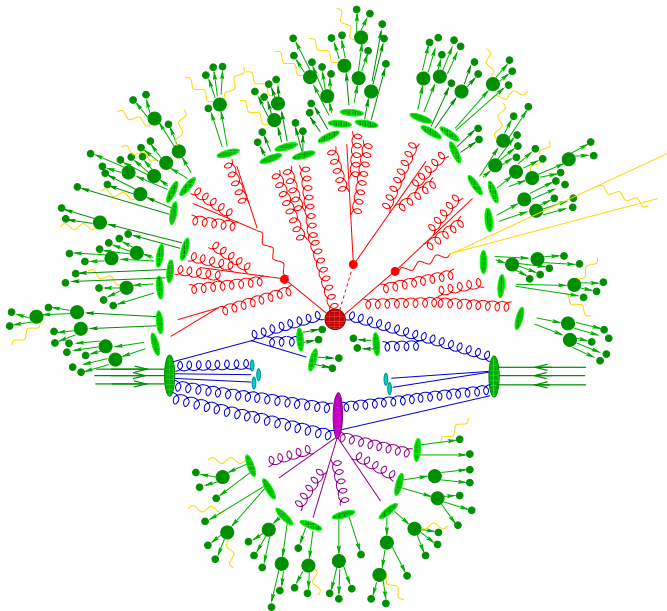
Silvan Kuttimalai

June 21st, 2018

A Four-Lepton Candidate Event



A Monte Carlo Event



Further Reading

- Buckley et al.: General-purpose event generators for LHC physics, arXiv:1101.2599
- Höche: Introduction to parton-shower event generators, arXiv:1411.4085
- Sjostrand, Mrenna, Skands: PYTHIA 6.4 Physics and Manual, arXiv:hep-ph/0603175