

Facilitators: F. Stober (looking for more)

Sketch: Focus on Z^0 and top pair production with decays to leptons at a 13 TeV, proton-proton collider

- 1) How to generate a Monte Carlo dataset in CMSSW
- 2) Which Monte Carlo truth products exist and how to interpret them
How to navigate the MC record - eg. identify an electron from a W^- decay compared to one from a b quark decay
- 3) How to compare generator-level information with unfolded data
- 4) What are the differences between various Monte Carlo tools (LO, LL, NLO, Matched or merged calculations)

Outlook of what needs to be done: Based on short exercise from 2016, adapt to new CMSSW version (1 month)

Technical requirements: Computing account for the batch system