Analysis training ideas

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Examples from different experiments

- Natural complementarity between experiment-specific tools and general computing skills
  - Ideally, experiment training should be able to assume students have some familiarity with basic computing concepts
- Differing levels of HSF involvement in experiment training:
  - LHCb Starterkit lessons (shared with ALICE): https://lhcb.github.io/starterkit/
  - ATLAS analysis training school: https://indico.cern.ch/event/875393/
  - CMS Data Analysis School: https://lpc.fnal.gov/programs/schools-workshops/cmsdas.shtml

Analysis training

- Discussed this among the DAWG conveners, but most topics already seemed to be well covered by HSF training materials
  - Gitlab
  - Python
  - C++
  - Tutorials at PyHEP
  - HTCondor
  - Analysis preservation
  - Introduction to Unix
  - Generic HEP analysis
- Additional advanced training might be useful
  - Code profiling tools, how to find a memory leak, how to identify and fix hot spots/inefficiencies in the code
  - Hackathon to help analyzers improve their current workflows
- We are open to collaborating
  - Are there ways we can help advertise the existing training materials more?
  - Is there planning already started for new training events?