BTV POG exercise

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Structure of the exercise

Part I (~2h)

Topic:
- general concept of b-tagging
- understanding inputs and predictions
- b-tagging performance (e.g. ROC)

Code:
- based on [existing exercise](#) from DAS@CERN
- Jupyter Notebooks

Part II (~2h)

Topic:
- calibration of b-tagging discriminant
- derivation of scale factors
- application of scale factors

Code:
- based on scale factor method
  - needs to be simplified and shortened
- coffea based
  - ideally after columnar analysis exercise (not necessary)

Technical requirements

- ideally some /nfs/ space to store input files for part 2
  - allows for quick turn-around compared to /pnfs (even other requirements)
- accounts for all participants to use JupyterHub
  - at CERN we used SWAN which we could fall back to (if people have lxplus account)
- accounts for NAF w/ local space of ~ 0.5 - 1 TB

Useful pre-exercises:

- columnar analysis
- ML nice to have - not needed