



Allison Hall (FNAL - CMS)
Nicole Skidmore (Manchester - LHCb)
Teng Jian Khoo (HU-Berlin - ATLAS)

Analysis across HEP/NP Talking points



DUNE Framework Requirements TF

<https://docs.dunescience.org/cgi-bin/RetrieveFile?docid=21934&filename=Final%20DUNE%20SFRT%20Report.pdf&version=3>

How well does this generalise beyond DUNE?

Interesting points:

- Emphasis on analysis usability & flexibility incl modular analysis
- “Data atoms” not limited to events -- per particle analysis etc
- Turing complete configuration
- Anticipation of analysis preservation



Collaboration practices

How do we improve recognition for software/central framework development? Especially for young (non-permanent) scientists

- In CVs / In funding applications / Within collaborations?

Some experiments mentioned analysts have (mostly) converged on a single analysis framework. How?

- Deliberately custom designed experimental framework for analysis?
- Good PR involved?
- Ease and good documentation made it impossible not to use?



Co-processing, ML and HPC

Is support for machine learning training and inference built into the analysis framework or is that left up to the users to implement?

What are some of the major challenges of using HPC resources for analysis?