Dylan Rankin - Research Interests

- **Higgs physics and exotic searches**

  - Particularly in boosted topologies

- **L1 Trigger**

  - Primarily upgrade

- **Heterogeneous Computing**

  - Offloading tasks with GPUs, FPGAs (and more)

- **Machine Learning**

  - Supports a lot of the above interests

    - ML on FPGAs (hls4ml), eg. ML as-a-service (FastML), boosted object taggers

  - Also interesting research in its own rite!

- And more…

UPenn Postdoc Position (Rankin)

- I am starting in January, will look to hire postdoc in the new year (look out for job posting)

  - Expertise in these research fields is not a prerequisite. Should be interested in some of these, but new ideas welcome!

- UPenn is a large group, lots of chances to collaborate with other great postdocs and students, work with our very strong instrumentation group

  - Other faculty: Joe Kroll, Elliot Lipeles, Evelyn Thomson, Brig Williams

- Looking for an enthusiastic postdoc interested in exploring new topics!