

Gordon Watts
Professor @ University of Washington
Working on the ATLAS Experiment
Help run IRIS-HEP
Co-leader of ATLAS's Analysis Model Group
Long Lived Particle Searches



Work closely with Tal & Mason

What am I interested in?

- More hours in the day
- Analyst User Experience
- Differentiable Analysis
- Data Delivery

What Tools do I play with a lot?

- Python, JAX, awkward
- ServiceX & Data Delivery, with distributed microservice architecture
- Func_adl as a simple way to control that

If I could attend a hackathon what would I do?

- Figure out how to make SX and Awkward seamless

Random Quotes that I've heard in the last week:

"ROOT's Vary is really really cool"

"ATLAS CP tools make my life interesting"

Fight me:

- If you have to write `axis=1` in an argument to numpy, columnar programming has failed (UX).
- No, I don't have a better solution

What do I want to solve?

- Full analysis with Systematic Errors
- Automate preselection and data delivery for large datasets
- How can I run my LLP analysis on PHYSLITE/nanoaod even though they do not have enough raw information?



(this was my birthday...
I'm allowed...)