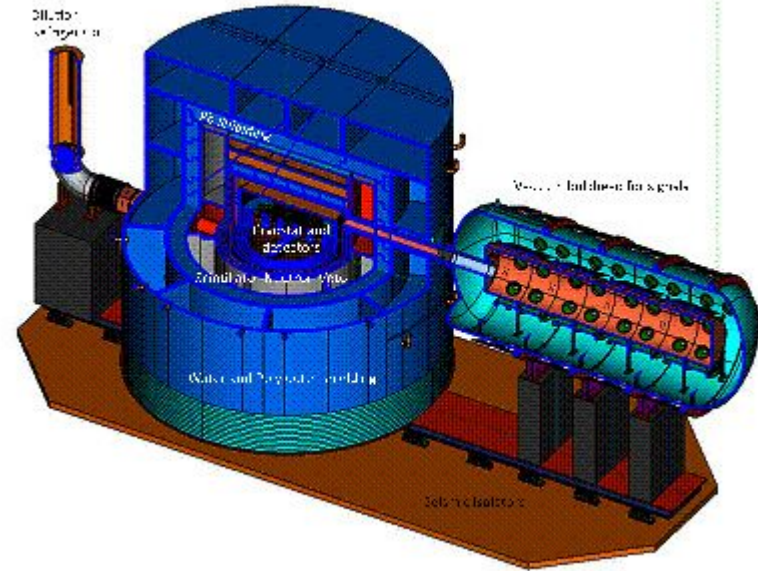
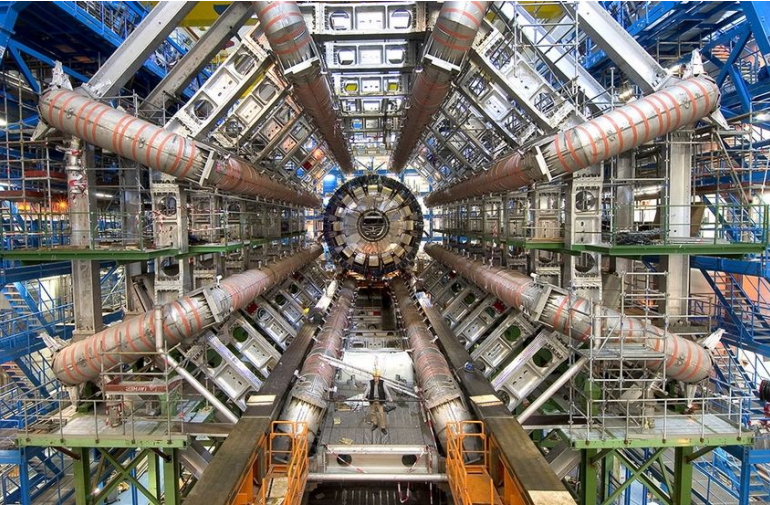


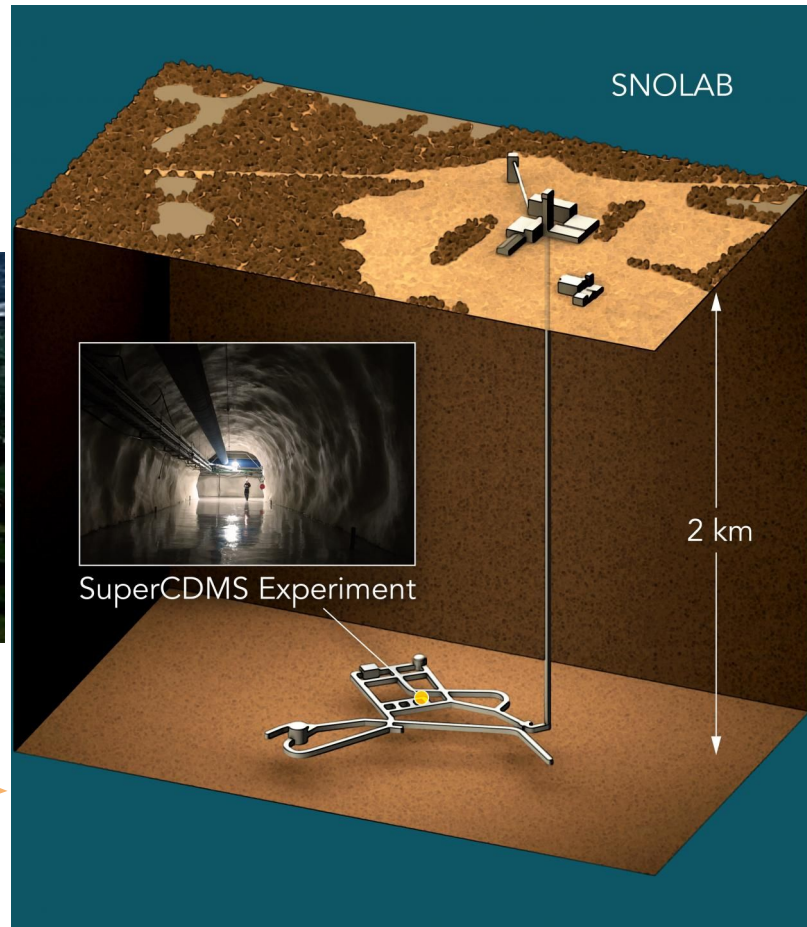
Experimental Methods in Particle Physics (A.k.a. eHEP)

The non-collider half...

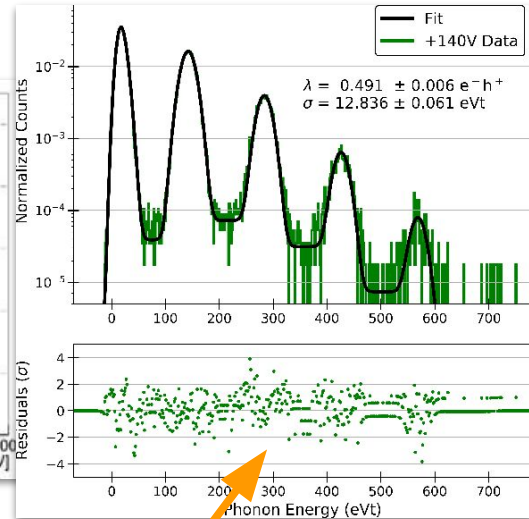
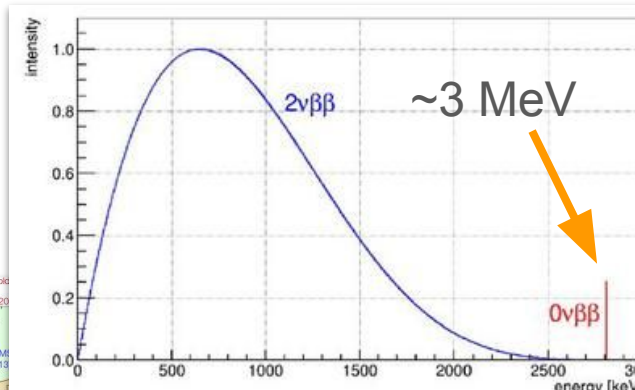
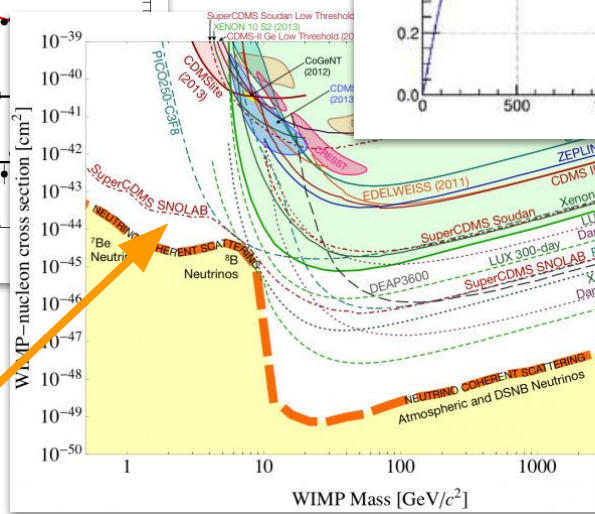
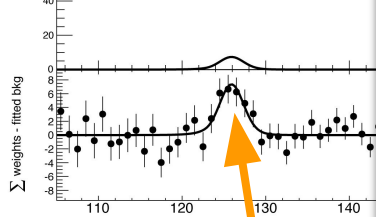
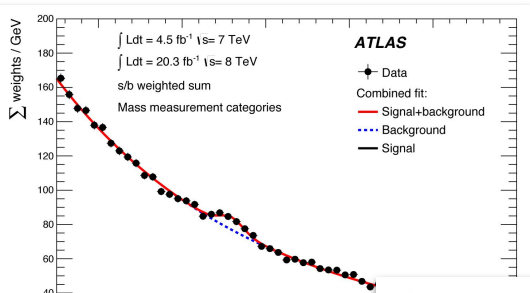
Why do you have two professors this term?



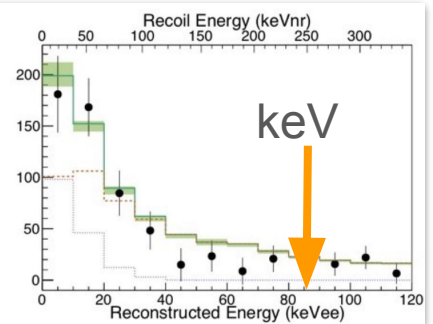
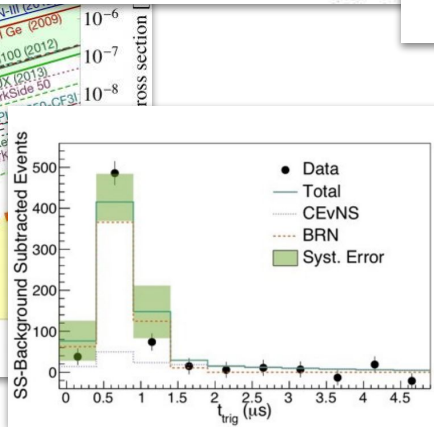
Or...



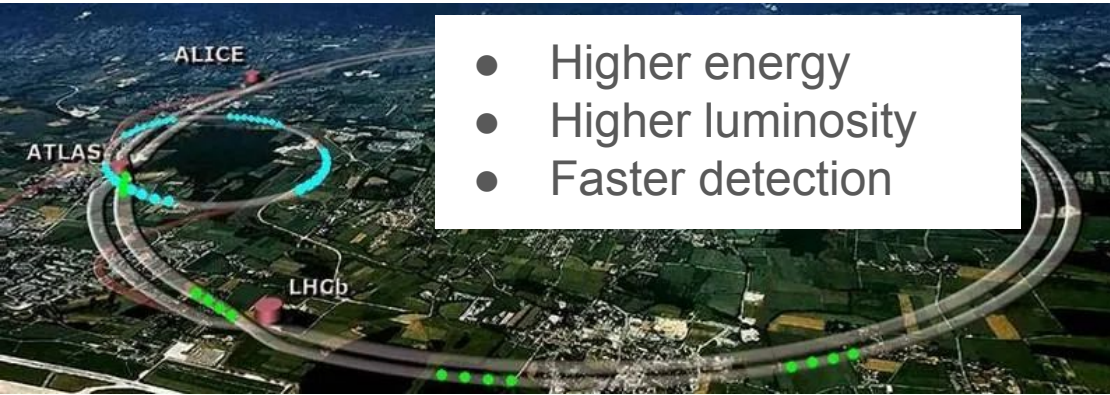
Are those really High Energy Physics?



<10 GeV

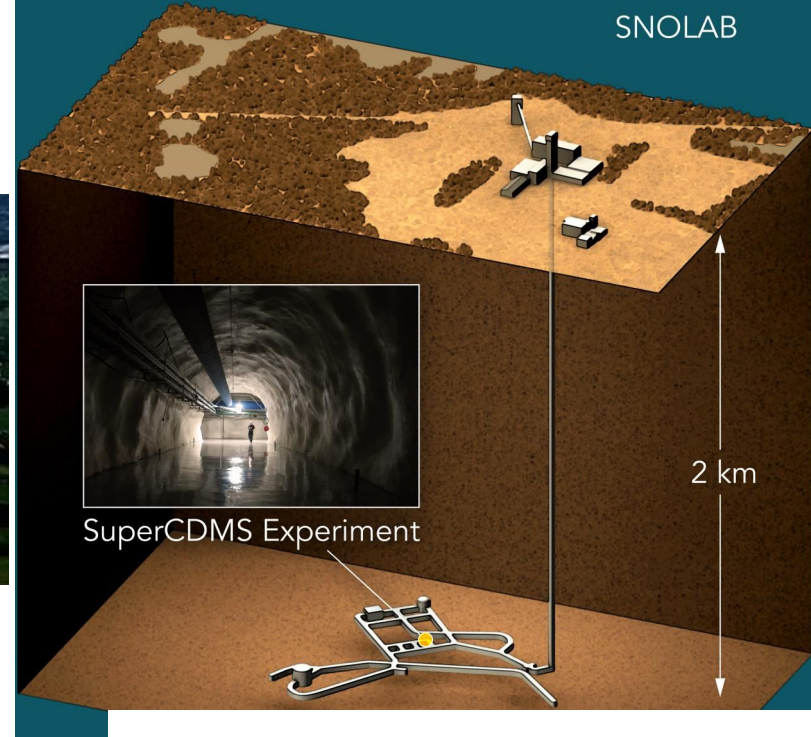


So...



Common threads:

- Particle interaction with materials
- Particle Identification / signal-background discrimination
- Trigger/DAQ/event reconstruction
- etc.



- Better energy resolution
- Bigger detector
- Lower background

What you'll hear from me this term:

- A non-exhaustive descriptions of non-collider-based particle experiments
 - Limited to what I'm familiar with...
 - Dark Matter direct detection
 - Coherent Elastic neutrino Nucleus Scattering (CEvNS)
 - Neutrinoless double beta decay
- and thoughts around these experiments