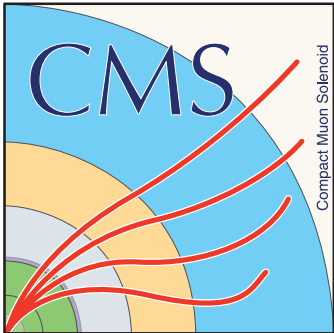


Introduction

Jannicke Pearkes

FIPs in the ALPs School

16.05.2023

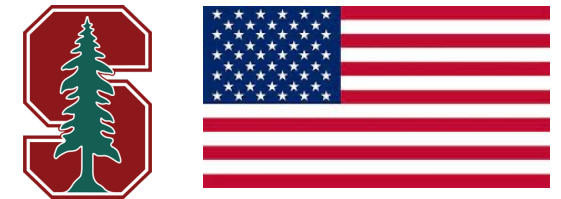


University of Colorado **Boulder**

Vancouver



- I'm Canadian
- Moved to US for PhD



- Currently based @ CERN for post-doc

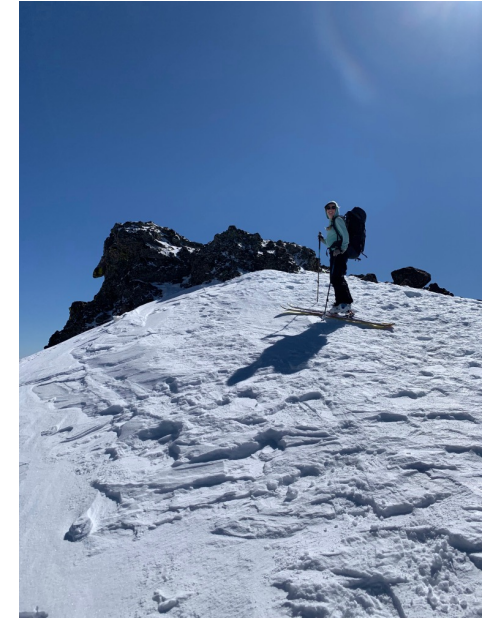


- Have also lived:



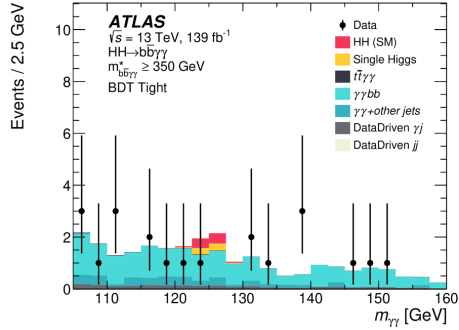
Hobbies:

Hiking, skiing, long back-packing trips, climbing, and reading wikipedia pages about food

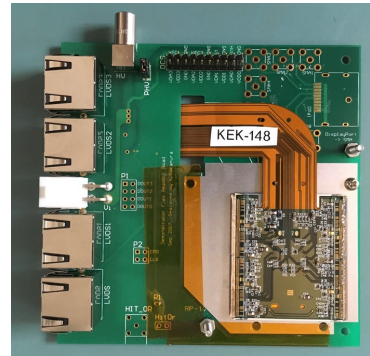
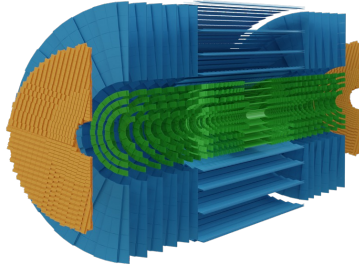


PhD Work on ATLAS

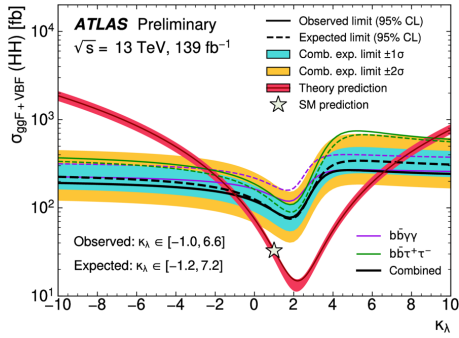
HH to $b\bar{b}\gamma\gamma$



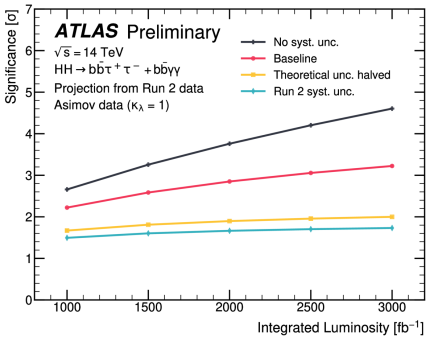
ITk Pixel upgrade



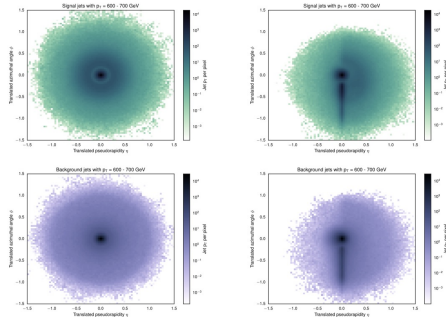
HH Combination



HH HL-LHC Projections

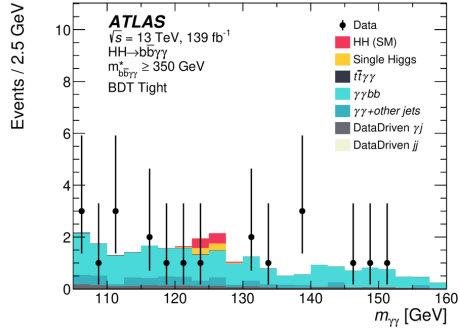


Machine learning

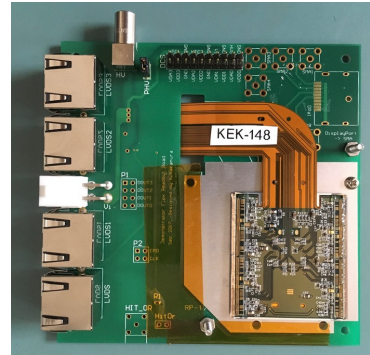
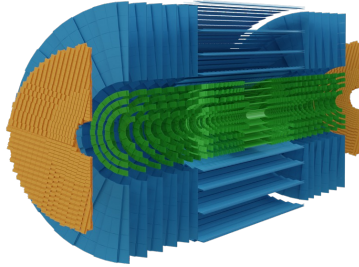


PhD Work on ATLAS

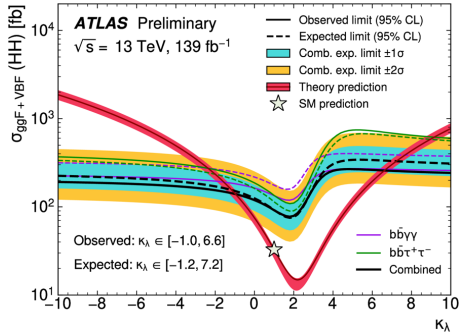
HH to $b\bar{b}\gamma\gamma$



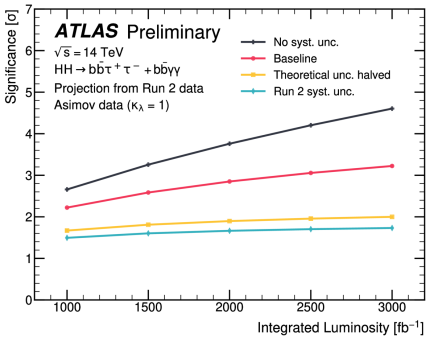
ITk Pixel upgrade



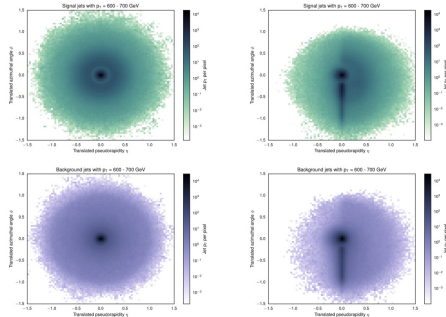
HH Combination



HH HL-LHC Projections

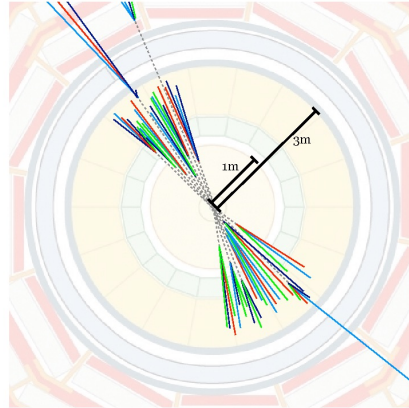


Machine learning

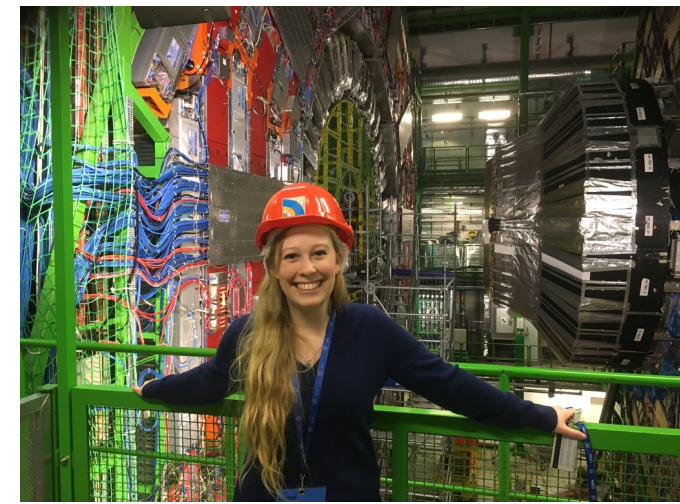
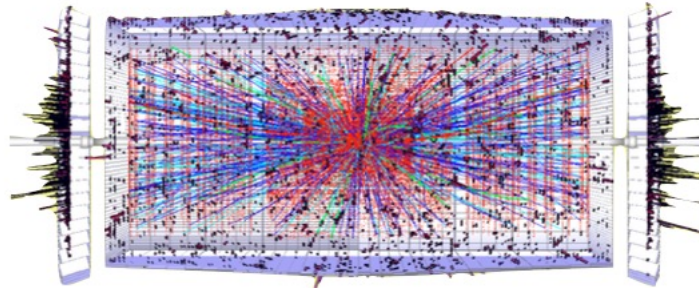


Now: Post-doc on CMS

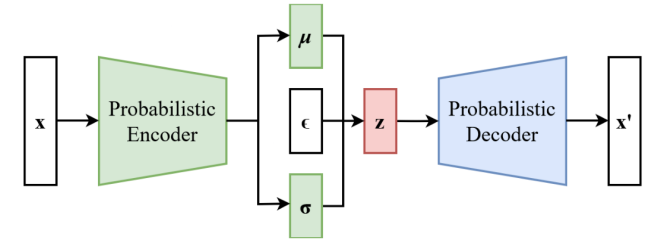
Emerging jets / dark QCD searches



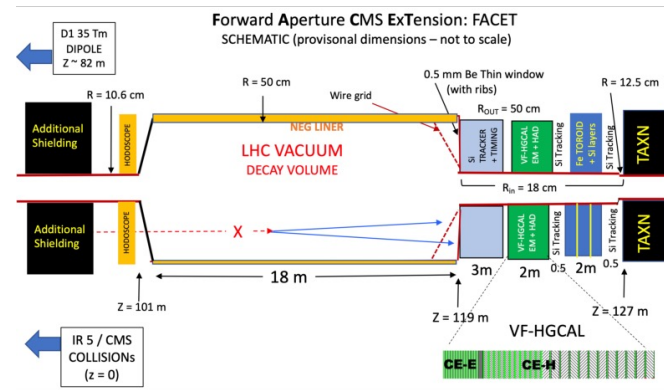
HL-LHC Track trigger upgrade



Anomaly detection in the trigger



FACET



Vancouver

