WP1: Real-time unbiased New Physics detection with open-world learning



PI + postdoc

PhD student 1



Produce train and test data

Thesis / Paper writing (buffer)

Design Particle Flow AI reconstruction for L1 trigger

Extend to include lower level information (sub detectors)

Model compression, resource and timing studies Design framework for distributed FPGA inference Develop framework for continual/online learning

Validation and integration into Level-1 system