Pata Hackathon (100kHz Scouting)

- **Overarching goal: have ParticleFlow Scouting at 100kHz for Run-3**
  - ▷ **Enable plethora of new physics searches across PAGs**
- **Understand and take apart the particle flow sequence at HLT**
  - ▷ **Timing studies and the different modules**
  - ▷ **Most importantly tracking related part and iterations**
- **Replace track input collection to Particle Flow with patatrack tracks**
- **Perform comparison of event description between LegacyFull/ Pixel tracks and Patatrack tracks**
- **Check for CPU-implemented ParticleFlow speed up, simplification vs performance**

- **Check for porting PF algorithm to GPU**
- **Check for ML based PF algorithm and global event reconstruction**