


Starting Up

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General Stuff

- Communication:
 - email
 - chat (Mattermost)
- Propose regular (weekly?) short meetings to keep everybody up to date
- We're in the process of hiring the postdoc, will likely start early next year
- We should be able to get CERN external accounts for the RSEs:
 - Additional GPU hardware and the full LHCb farm
 - CERN Mattermost
- LHCb will buy the (200) GPUs soon (weeks) which will determine the production hardware
- Cross-vendor compatibility will remain important

First Steps/Ideas

- Build and run Allen on eScience hardware
 - <https://gitlab.cern.ch/lhcb/Allen>
 - We'll provide testing data
- Add basic ML algorithm to the sequence
 - Sort out inputs/outputs etc.
- TensorRT?
 - How to tackle this for AMD?
 - Code generation?
- Object condensation?
 - [Springer Article](#)
 - First ML technique that I've seen which produces a variable number of reconstructed objects from (derived) detector inputs