

Deep Learning

DAS Exercise

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- *sketch of exercise:*
 - Object classification task (maybe quark vs gluons jets?). Organise as a challenge with a small price for the best solution (as determined by AOC on a hold-off dataset)
 - Based on CMS event samples
- *outlook of what needs to be done and timescale for implementation, documentation and testing*
 - Choose exact problem and phase-space definition (some time in summer)
 - Prepare inputs (convert ROOT to a more ML friendly format) (latest 6 weeks before event)
 - Prepare software environment (latest 6 weeks before event)
 - Implement a few solutions ourselves (latest 4 weeks before event)
- *special technical requirements (assume to use condor, if needed, and sonas storage)*
 - Participants (or at least in groups of 4) should have access to a GPU for training. Maybe temporary accounts on Maxwell cluster. Alternatives?