

Software & Computing Week

MCP Group Production

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MCP ntuples

- We are not using a D3PDMaker package
- MuonIDNtupleMakers developed by the Harvard Group (an official MCP tool)
- Not easy (but doable) to customize a private package to be used with Reco_trf.py
- All the technical questions should be addressed to Ben Smith

(Our) Work Flow

- Adapt the code to be compatible with running with Reco_trf.py
- Register new data type NTUP_MCP (reco_trf and AMI)
- Include a stable version of the code into Atlas pcache (16.0.X.Y)
- Request a production tag(s)
- Submit the jobs!

ESD, DESD

- Two production tags:
 - p313 ESD → NTUP_MCP
 - p314 DESD_SGLMU → NTUP_MCP
- Running on MuonswBeam/Muons stream (so far)
- ESD's heavily used for performance studies
- DESD_SGLMU for more specific analysis

First 'experience'

- First jobs submitted (using bulk submission) 3 weeks ago! (almost all finished)
- Running on the data from the Autumn reprocessing (r1647, r1774)
- First attempt failed → haven't optimized the tasks in a proper way
- Later on running quite smoothly

Pros and Cons

- Pros:
 - no more manual submission!
 - heavily supported by the ADC shifters
 - Pavel and Junji always eager to help
 - automatic transfer to a destination site
- Cons:
 - harder to bookkeep (no email when the job is done)
 - less independent error handling