

ECCE Simulations

Production Status

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Physics Team Meeting

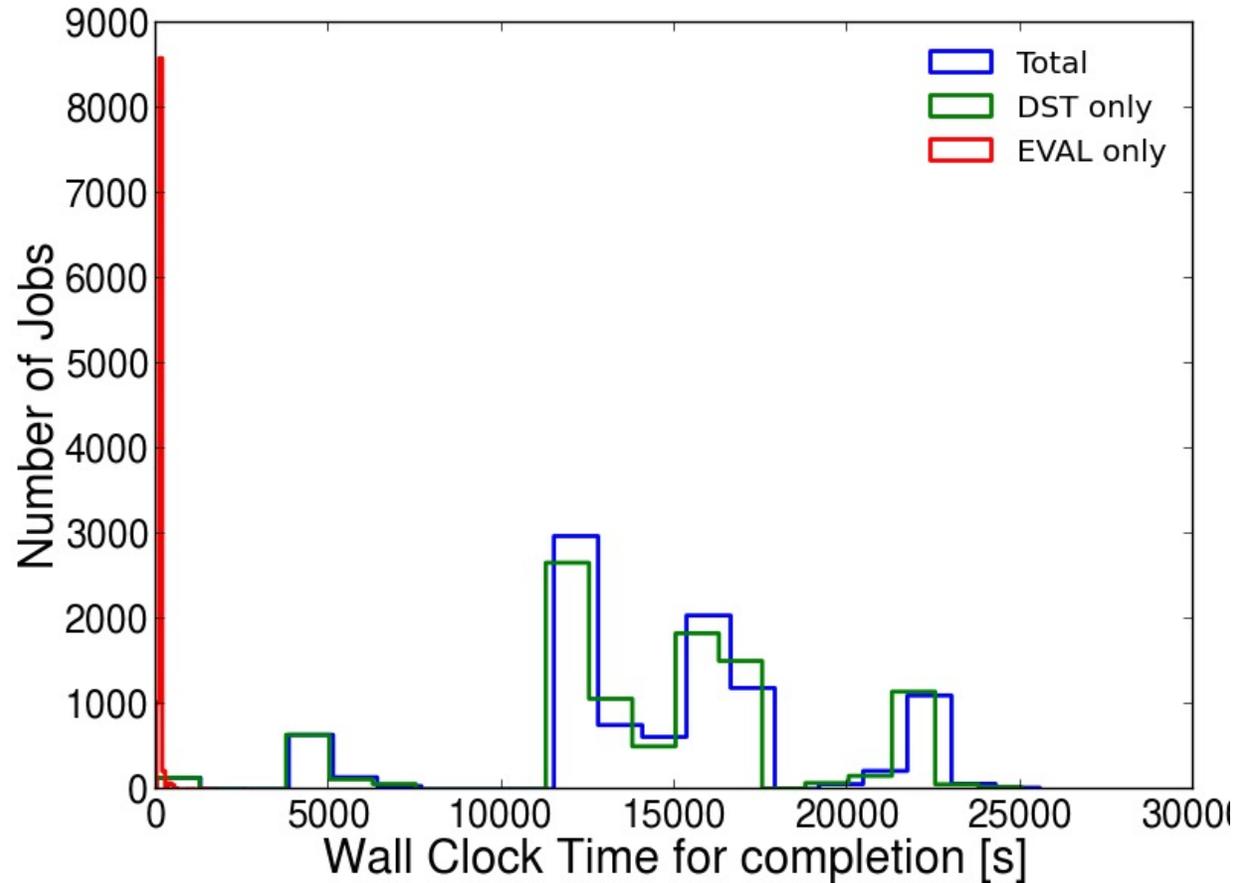


- BNL, JLab and Bates are all producing data
 - Software stack tag = prop.2, macros repo branch/hash = production/c131177
- [From production requests](#), campaign 1 is about 160M events
- We've completed:
 - 5M single pion events (**on S3**)
 - 5M single electron events (**on S3**)
 - 2x5M Pythia8 events at ep of 5x41 and 10x100 GeV (**all on S3**)
 - 5.6M DJANGO events
 - 4x20M Pythia6 events (**20M on S3**, other 58M pending transfer, 2M just finishing)
- Diff & Tag and Exclusive are also running/setting up local productions through our framework
- In total, > 100M events have been produced out of 160M
- Files stored on S3 under: eicS3/eictest/ECCE/MC/prop.2



- Job efficiency seems high:
 - Single particle production was 99.94% successful
 - JLab saw 89% of jobs succeed
 - OSG saw 98.8% of jobs succeed (need to investigate difference)
- We saw crashes from the event evaluator
 - Due to accessing cross section info from generators that don't save this
 - [Since been patched](#)
- Other crashes appeared in jet evaluator
 - Crashes occurs when comparing 2 particles
 - Not patched but under more investigation
- Current solution: Event and Jet evaluators are disabled in production
 - A second pass on the DSTs will be performed with the required patches

Timing plot from Bates



- DST production dominates timing, evaluators are negligible
 - Event and Jet evaluator production will be fast when we kick them off