ECCE Job Submission

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Overview

- See first lessons learned meeting on January 26, 2022 for pros/cons of the ECCE approach:
  - https://indico.bnl.gov/event/14319/
- ECCE primarily ran large campaigns at BNL, JLab, MIT-Bates, ORNL, and OSG
- Kept top level production scripts in a GitHub repo:
  - https://github.com/ECCE-EIC/productions
- Scripts were either python or shell scripts that would submit jobs to large batch systems at various sites
  - e.g. Condor at BNL, Slurm at JLab
- Scripts pulled any data files necessary from S3, then would copy any output produced back to S3
- JLab jobs would do similar moves via xrootd

Pros/Cons

- Pros
  - Github provided a uniform versioning system from which anyone could submit jobs
  - System only required a specification of e.g. condor or slurm and would submit in the required syntax with only the specification of what system was being run
- Cons
  - More robust, developed solutions available with proven scalability, e.g. Panda or DIRAC
    - Our solution was a “quick and dirty” solution that could be executed with limited person power