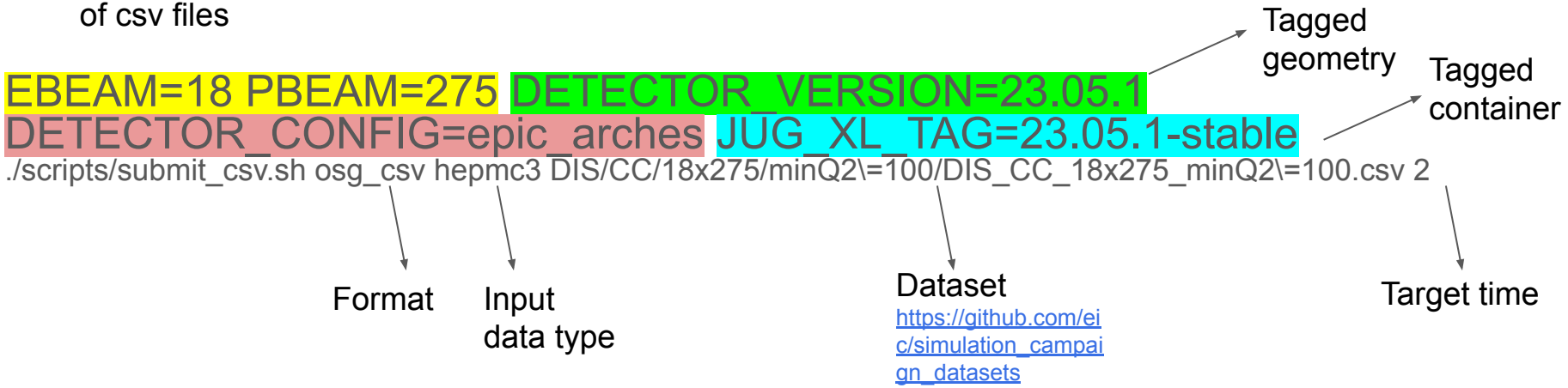
General Updates for May 2023 Train

Sakib Rahman
25 May 2023

Conductor’s Log Book

- Created account on Open Science Grid and subscribed to EIC project
- Connected to osg login node login05.osgconnect.net
- Cloned https://github.com/eic/job_submission_condor
- Within the job submission folder the following script is executed for each dataset provided in the form of csv files



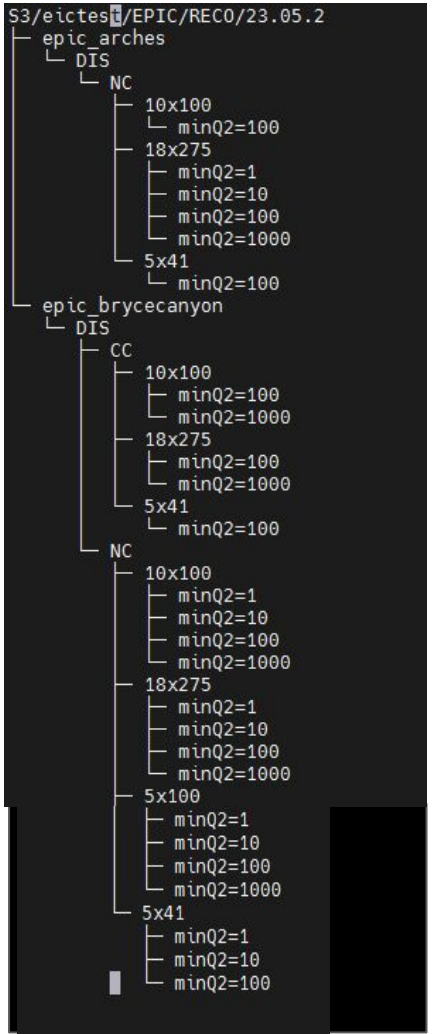
- Jobs when submitted goes into idle queue before running. Failed jobs go into hold queue. Use `hold_review_and_release.sh` to monitor reasons for common job failures and resubmit. To release all jobs on hold at once use `condor_release <username>`
- Running both epic_arches and epic_brycecanyon in May train. Should be the case until we converge to a single config.

Conductor’s Log Book

- To view the output from the campaign in the S3 storage:
  - Do this ONCE: `./mc config host add S3 https://eics3.sdcc.bnl.gov:9000 eicS3read eicS3read`
  - Then you can use `./mc ls S3/eictest/EPIC` or `./mc tree S3/eictest/EPIC` to view content
- For the majority of the jobs we only store RECO output. For a small number of datasets, we are storing FULL sim results (roughly 10000 events). So, far we have been submitting duplicate jobs with a modified template that stores full sim output. Deprioritize using condor_prio command after first 200 jobs in the array are queued in RUN status. Then kill the jobs when the RUN jobs reach DONE status.

Datasets run so far

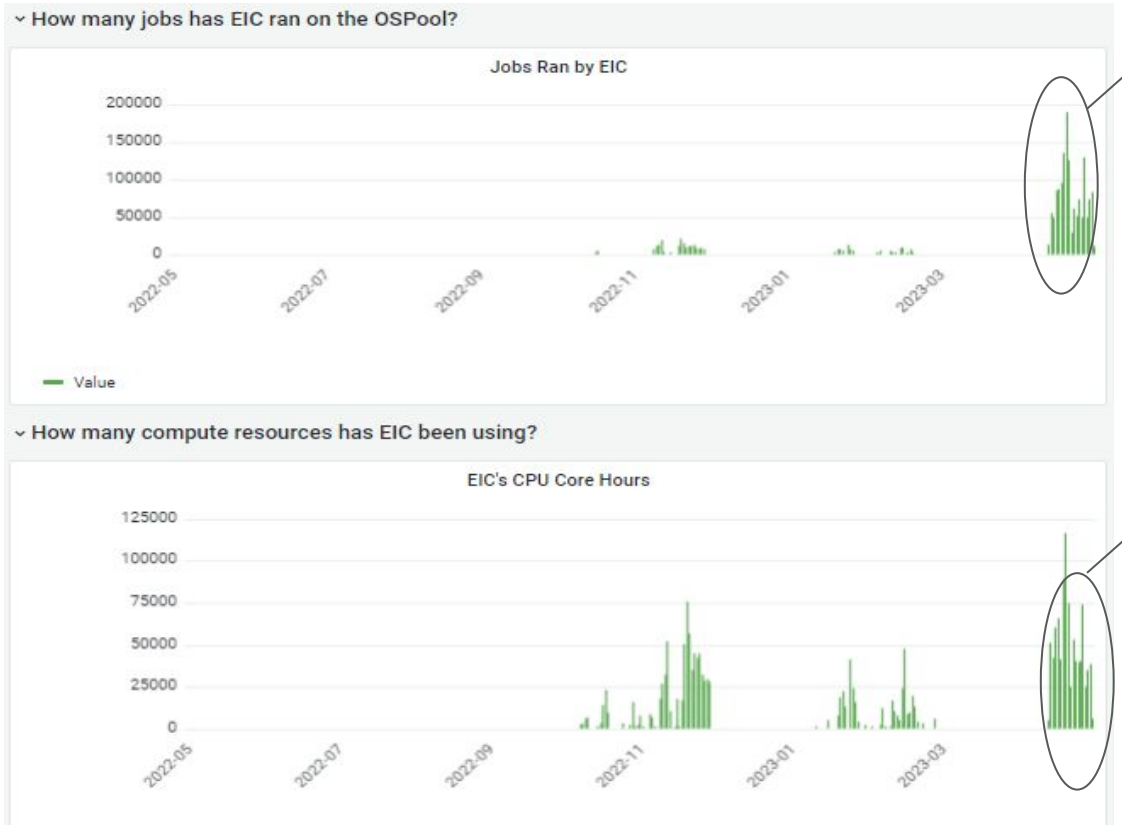
```
S3/eictest/EPIC/FULL/23.05.2
├─ epic_arches
│  └─ DIS
│     └─ NC
│        ├─ 10x100
│        │  └─ minQ2=100
│        ├─ 18x275
│        │  └─ minQ2=100
│        └─ 5x41
│           └─ minQ2=100
└─ epic_brycecanyon
   └─ DIS
      └─ NC
         ├─ 10x100
         │  └─ minQ2=100
         ├─ 18x275
         │  └─ minQ2=100
         └─ 5x41
            └─ minQ2=100
```



Roughly 1/4th through the jobs producing RECO outputs for brycecanyon. Jobs for arches just started getting queued to run.

Roughly 10-20K events available for the FULL outputs listed here

Comparison with Past Campaign (GRACC Dashboard)



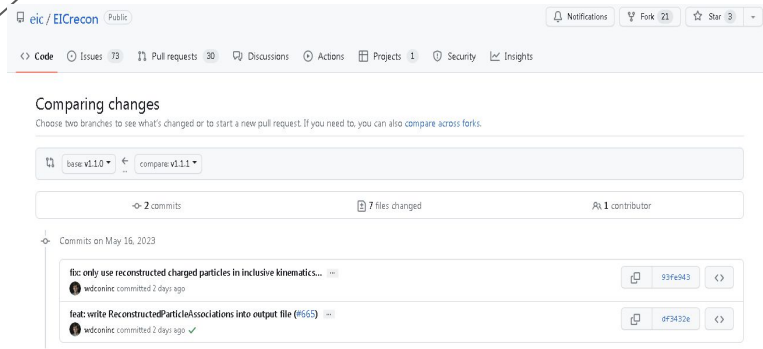
May 2023 Campaigns

May 2023 Campaigns

Two tagged trains

23.05.1: Released on May 7th. Deprioritised.

23.05.2: Released on May 18th.



Resource Locations