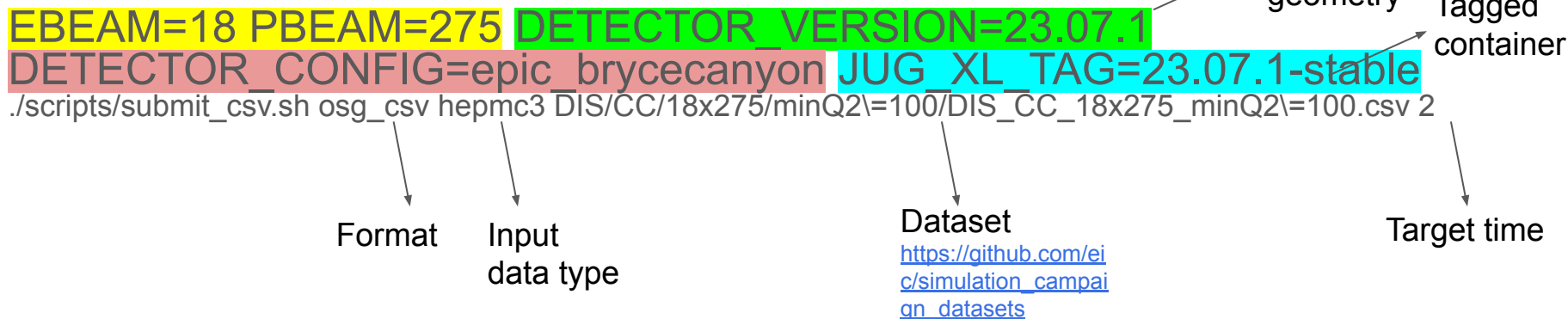# General Updates for July 2023 Train

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10 August 2023

Conductor's Log Book

- Created account on Open Science Grid and subscribed to ePIC project
- Connected to the jlab submit node
  - ssh <username>@scilogin.jlab.org -Y and then ssh osg-eic -Y
- Cloned https://github.com/eic/job_submission_condor and set up your S3 writing credentials
- Execute submit_csv.sh script for each dataset provided in the form of csv files

EBEAM=18 PBEAM=275 DETECTOR_VERSION=23.07.1 DETECTOR_CONFIG=epic_brycecanyon JUG_XL_TAG=23.07.1-stable

./scripts/submit_csv.sh osg_csv hepmc3 DIS/CC/18x275/minQ2\=100/DIS_CC_18x275_minQ2\=100.csv 2

Tagged geometry

Tagged container

Format

Input data type

Dataset
https://github.com/eic/simulation_campaign_datasets

Target time

- 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>
- Accessing output: https://eic.github.io/epic-prod/documentation/faq.html

Trains

23.07.1 (brycecanyon)

Full:
  DIS-NC: 10x100, 18x275 and 5x41, q2=10toinfty (>=10k events)
  SIDIS: 18x275 and 5x41, q2=0to1 (>=2M events)
  Backgrounds: 10x100, q2=10to100 (10k events)

Reco:

Everything here
https://eic.github.io/epic-prod/documentation/default_datasets.html
except SIDIS.

23.07.2 (craterlake)

Same datasets as brycecanyon

Charters/Taxis

2 exclusive datasets:

   - Shared via google drive with production WG

   - Converted into hepmc3.tree.root format and then placed on xrootd

   - Delayed due to pipeline failure (Troubleshooting)

XRootD writing

Test runs with osg and jlab submit nodes:
- Long wait in idle queue
- Still troubleshooting