

General Updates for May 2023 Train

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18 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

EBEAM=18 PBEAM=275 DETECTOR VERSION=23.05.1
DETECTOR CONFIG=epic_arches JUG_XL_TAG=23.05.1-stable
./scripts/submit_csv.sh osg_csv hepmmc3 DIS/CC/18x275/minQ2\=100/DIS_CC_18x275_minQ2\=100.csv 2

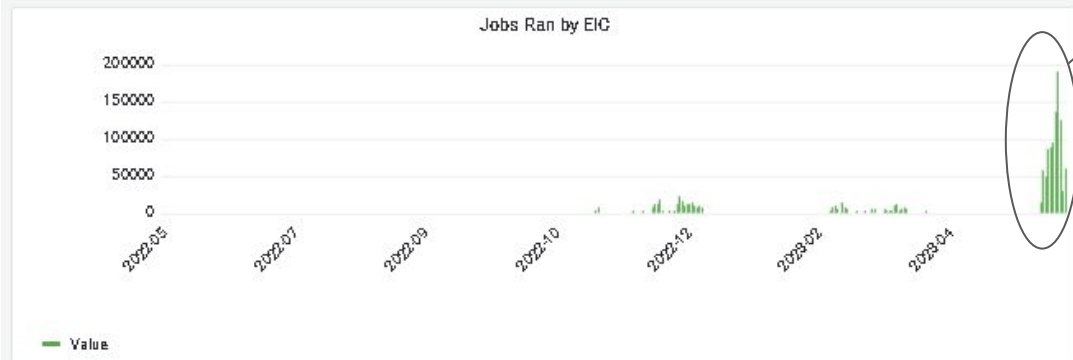
The diagram illustrates the mapping of command-line arguments to their roles in the job submission process. Arrows point from specific parts of the command to descriptive labels:

- Format**: Points to `osg_csv`
- Input data type**: Points to `hepmmc3`
- Dataset**: Points to `DIS/CC/18x275/minQ2\=100/DIS_CC_18x275_minQ2\=100.csv`. Below this label is the URL https://github.com/eic/simulation_campaign_datasets.
- Tagged geometry**: Points to `DETECTOR VERSION=23.05.1`
- Tagged container**: Points to `JUG_XL_TAG=23.05.1-stable`
- Target time**: Points to the final argument `2`

- 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_brycecanon` in May train. Should be the case until we converge to a single config.

Comparison with Past Campaign ([GRACC Dashboard](#))

How many jobs has EIC ran on the QSPool?

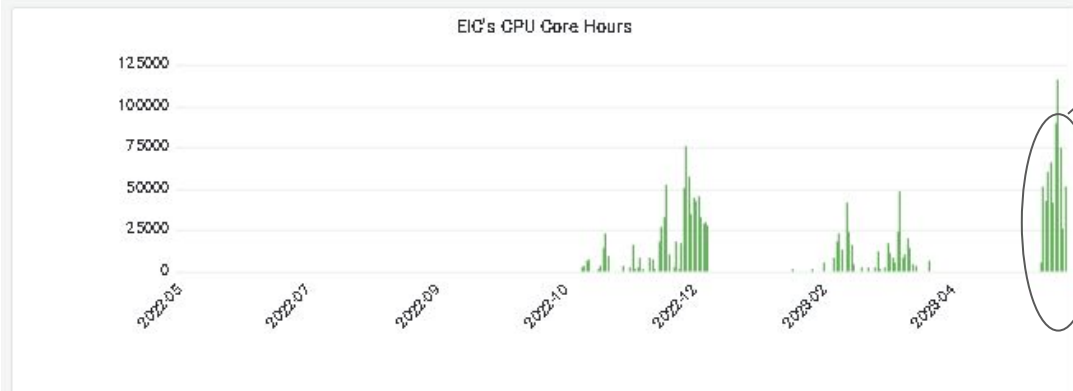


May 2023
Campaigns

Two tagged trains

23.05.1: Released on May 7th. Will suspend them today to clear the queue for 23.05.2.

How many compute resources has EIC been using?



May 2023
Campaigns

23.05.2: Released on May 18th.

Public

Code Issues 73 Pull requests 30 Discussions Actions Projects 1 Security Insights

Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also compare across forks.

base v1.1.0 compare v1.1.1

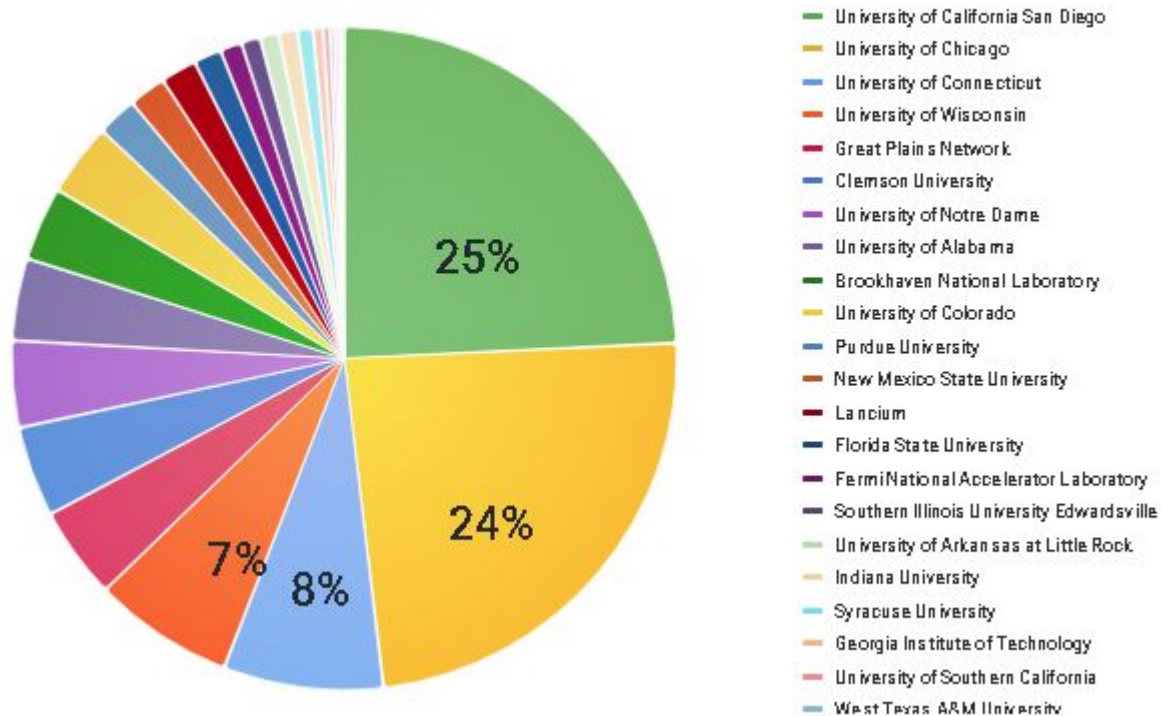
2 commits 7 files changed R1 contributor

Commits on May 16, 2023

- fix: only use reconstructed charged particles in inclusive kinematics... 93fe943
- feat: write ReconstructedParticleAssociations into output file (#6653) 89f432e

Resource Locations

Where has EIC been running their jobs?



Datasets run so far

```
./mc config host add S3 https://eics3.sdcc.bnl.gov:9000 eicS3read eicS3read [Only needs to be done once]
```

The folders evgen, log, and reco contain the root files produced during the train. **We will NOT be storing full sim root files.**

```
[rahmans1@login05 bin]$ ./mc ls S3/eictest/EPIC/  
[2023-05-11 11:18:39 CDT] 0B Campaigns/  
[2023-05-11 11:18:39 CDT] 0B EVGEN/  
[2023-05-11 11:18:39 CDT] 0B FULL/  
[2023-05-11 11:18:39 CDT] 0B LOG/  
[2023-05-11 11:18:39 CDT] 0B RECO/
```

```
[rahmans1@login05 bin]$ ./mc ls S3/eictest/EPIC/RECO/23.05.1/epic_brycecanyon/DIS/  
[2023-05-11 11:25:20 CDT] 0B CC/  
[2023-05-11 11:25:20 CDT] 0B NC/  
[rahmans1@login05 bin]$ ./mc ls S3/eictest/EPIC/RECO/23.05.1/epic_brycecanyon/  
[2023-05-11 11:25:27 CDT] 0B DIS/  
[2023-05-11 11:25:27 CDT] 0B EXCLUSIVE/
```

Current view of condor queue (condor_q)

-- Schedd: login05.osgconnect.net : <192.170.231.218:9618? ... @ 05/18/23 11:33:10

OWNER	BATCH NAME	SUBMITTED	DONE	RUN	IDLE	HOLD	TOTAL	JOB_IDS
rahmans1	23.05.1/epic_brycecanon/DIS_CC_5x41_minQ2=100-	5/7 11:35	35373	27	—	110	41100	30536420.2226-35507
rahmans1	23.05.1/epic_brycecanon/DIS_NC_5x41_minQ2=100-	5/7 11:41	46508	—	—	4	46512	30536429.19878-46379
rahmans1	23.05.1/epic_brycecanon/DIS_NC_5x41_minQ2=10-2	5/7 12:48	31581	—	—	2	31583	30536512.5555-19682
rahmans1	23.05.1/epic_brycecanon/DIS_NC_18x275_minQ2=10	5/7 16:21	25188	18	—	6	25212	30536844.23976-25198
rahmans1	23.05.1/epic_brycecanon/DIS_NC_18x275_minQ2=10	5/7 16:23	25521	414	19	67	27912	30536849.16237-26020
rahmans1	23.05.1/epic_brycecanon/DIS_NC_18x275_minQ2=10	5/7 20:50	27620	445	11	44	43800	30537272.25146-28119
rahmans1	23.05.1/epic_brycecanon/DIS_NC_10x100_minQ2=1-	5/7 21:30	10961	—	—	1	10962	30537332.7408
rahmans1	23.05.1/epic_brycecanon/DIS_NC_10x100_minQ2=10	5/7 21:33	35086	1	—	1	35088	30537341.35070-35082
rahmans1	23.05.1/epic_brycecanon/DIS_NC_10x275_minQ2=10	5/7 22:02	26037	462	7	31	36810	30537404.11495-26536
rahmans1	23.05.1/epic_brycecanon/DIS_NC_10x275_minQ2=10	5/7 22:06	26075	488	1	11	26790	30537410.22987-26574
rahmans1	23.05.1/epic_brycecanon/DIS_NC_10x275_minQ2=10	5/7 22:07	24092	9	—	1	24102	30537412.23690-24075
rahmans1	23.05.1/epic_brycecanon/DIS_NC_10x275_minQ2=1-	5/7 22:08	13037	1	—	—	13038	30537415.11808
rahmans1	23.05.1/epic_brycecanon/DIS_NC_5x100_minQ2=1-2	5/8 08:33	12285	—	—	1	12286	30538460.8993
rahmans1	23.05.1/epic_brycecanon/DIS_NC_5x100_minQ2=100	5/8 08:36	21431	216	85	15	25866	30538468.2876-21746
rahmans1	23.05.1/epic_brycecanon/DIS_NC_5x100_minQ2=100	5/8 08:49	24046	5	100	1	25866	30538491.20856-24151
rahmans1	23.05.1/epic_brycecanon/DIS_CC_5x100_minQ2=100	5/8 13:44	22281	35	142	—	23256	30538918.12344-22457
rahmans1	23.05.1/epic_brycecanon/DIS_CC_5x100_minQ2=100	5/8 13:45	23033	17	136	—	24594	30538919.10315-23185
rahmans1	23.05.1/epic_brycecanon/DIS_CC_18x275_minQ2=10	5/8 13:55	20844	23	104	—	34686	30538939.17306-20970
rahmans1	23.05.1/epic_brycecanon/DIS_CC_18x275_minQ2=10	5/8 13:56	23509	21	102	—	40002	30538941.9513-23626
rahmans1	23.05.1/epic_brycecanon/DIS_CC_10x275_minQ2=10	5/8 16:38	24503	36	130	—	66672	30539116.21578-24660
rahmans1	23.05.1/epic_brycecanon/DIS_CC_10x275_minQ2=10	5/8 16:55	27467	46	111	—	67416	30539135.16004-27618
rahmans1	23.05.1/epic_brycecanon/DIS_CC_10x100_minQ2=10	5/8 17:13	25116	33	110	—	53574	30539163.2616-25255
rahmans1	23.05.1/epic_arches/DIS_CC_5x41_minQ2=100-2023-	5/8 19:53	36014	31	129	—	41100	30539366.31160-36186
rahmans1	23.05.1/epic_arches/DIS_NC_5x41_minQ2=100-2023-	5/8 19:56	35321	25	120	—	46512	30539370.30398-35452
rahmans1	23.05.1/epic_arches/DIS_NC_5x41_minQ2=10-2023-0	5/8 20:01	31581	2	—	—	31583	30539375.30530-31560
rahmans1	23.05.1/epic_arches/DIS_NC_5x41_minQ2=1-2023-05	5/8 20:03	20878	1	1	—	20880	30539378.13016-17618
rahmans1	23.05.1/epic_brycecanon/DIS_NC_5x100_minQ2=1-2	5/8 21:29	18239	34	102	—	24667	30539466.1596-18368
rahmans1	23.05.1/epic_brycecanon/DIS_NC_5x100_minQ2=10-	5/8 21:32	18653	26	106	—	31254	30539468.1179-18765
rahmans1	23.05.1/epic_arches/DIS_NC_5x100_minQ2=10-2023-	5/8 21:45	20536	16	119	—	31254	30539486.17237-20661
rahmans1	23.05.1/epic_arches/DIS_NC_5x100_minQ2=1-2023-0	5/8 21:46	15560	10	117	—	24667	30539487.2407-15673
rahmans1	23.05.1/epic_arches/DIS_NC_5x100_minQ2=100-2023	5/8 21:48	20102	7	112	—	52176	30539489.17307-20219
rahmans1	23.05.1/epic_arches/DIS_NC_5x100_minQ2=1000-202	5/8 21:50	17202	10	122	—	52176	30539495.14226-17324
rahmans1	23.05.1/epic_arches/DIS_NC_18x275_minQ2=1-2023-	5/9 07:18	6342	15	119	2	15498	30539560.1904-6477
rahmans1	23.05.1/epic_arches/DIS_NC_18x275_minQ2=10-2023	5/9 07:19	6557	3	105	—	25212	30539561.5333-6664
rahmans1	23.05.1/epic_arches/DIS_NC_18x275_minQ2=100-202	5/9 07:20	7066	17	137	4	27912	30539562.2959-7223
rahmans1	23.05.1/epic_arches/DIS_NC_18x275_minQ2=1000-20	5/9 07:21	6304	9	142	7	43800	30539563.4562-6460
rahmans1	23.05.1/epic_arches/DIS_NC_10x275_minQ2=1000-20	5/9 07:23	6218	5	109	16	36810	30539564.4758-6347
rahmans1	23.05.1/epic_arches/DIS_NC_10x275_minQ2=100-202	5/9 07:24	4517	—	114	1	26790	30539565.3223-4631
rahmans1	23.05.1/epic_arches/DIS_NC_10x275_minQ2=10-2023	5/9 07:24	3599	—	114	—	24102	30539566.2129-3710
rahmans1	23.05.1/epic_arches/DIS_NC_10x275_minQ2=1-2023-	5/9 07:25	1952	—	128	—	13038	30539567.164-2079
rahmans1	23.05.1/epic_arches/DIS_NC_10x100_minQ2=1-2023-	5/9 07:26	3254	—	119	—	10962	30539568.1969-3372
rahmans1	23.05.1/epic_arches/DIS_NC_10x100_minQ2=10-2023	5/9 07:27	5676	—	137	—	24392	30539569.3999-5812
rahmans1	23.05.1/epic_arches/DIS_NC_10x100_minQ2=100-202	5/9 07:27	5143	—	142	—	22728	30539570.3497-5284
rahmans1	23.05.1/epic_arches/DIS_NC_10x100_minQ2=1000-20	5/9 07:28	5245	—	186	—	35088	30539571.2115-5430
rahmans1	23.05.1/epic_arches/DIS_CC_10x100_minQ2=1000-20	5/9 07:32	3350	—	218	—	31254	30539572.682-3567
rahmans1	23.05.1/epic_arches/DIS_CC_10x100_minQ2=100-202	5/9 07:32	1664	—	500	—	26790	30539573.149-2163
rahmans1	23.05.1/epic_arches/DIS_CC_10x275_minQ2=100-202	5/9 07:35	168	—	500	—	33150	30539574.99-667
rahmans1	23.05.1/epic_arches/DIS_CC_10x275_minQ2=1000-20	5/9 07:36	—	—	500	—	33522	30539575.0-499
rahmans1	23.05.1/epic_arches/DIS_CC_18x275_minQ2=1000-20	5/11 09:09	97	—	499	—	81084	30542723.2-595
rahmans1	23.05.1/epic_arches/DIS_CC_18x275_minQ2=100-202	5/11 09:19	—	—	500	—	69768	30542747.0-499
rahmans1	23.05.2/epic_brycecanon/DIS_NC_18x275_minQ2=10	5/18 08:29	—	—	100	—	88236	30595705.0-99
rahmans1	23.05.2/epic_brycecanon/DIS_NC_18x275_minQ2=10	5/18 08:34	—	—	100	—	56076	30595747.0-99
rahmans1	23.05.2/epic_brycecanon/DIS_NC_18x275_minQ2=10	5/18 08:40	—	—	100	—	50424	30595788.0-99
rahmans1	23.05.2/epic_brycecanon/DIS_NC_18x275_minQ2=1-	5/18 08:44	—	—	100	—	31236	30595811.0-99