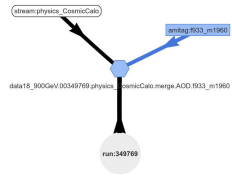




Status of E1 Core & U1



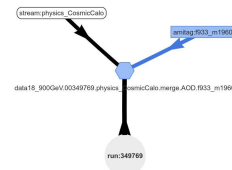
- Import
- Access
- Data12
- MC Event Duplication
- Problems



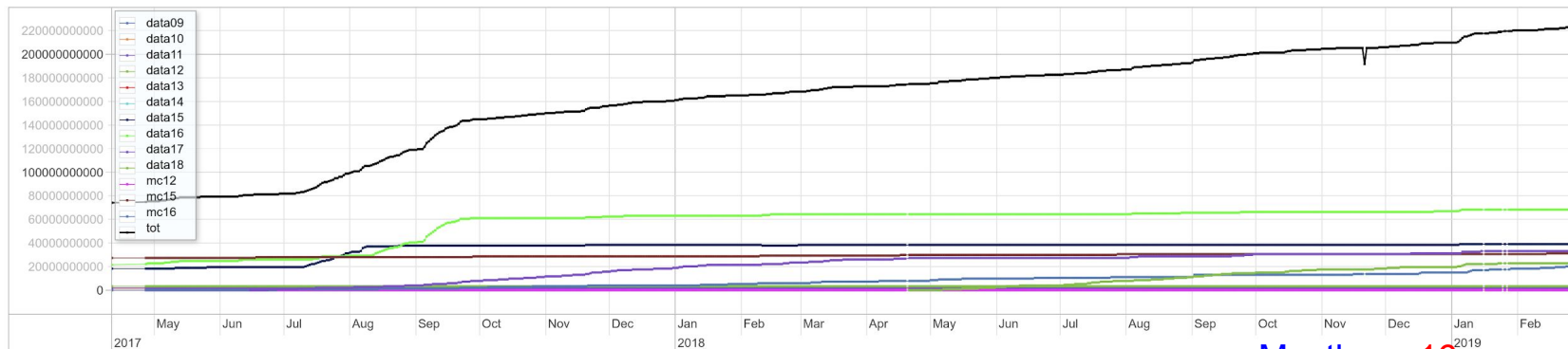
Status - Import

More than **224 000 000 000** events available ! (was **207 000 000 000** in Dec)

More than **188 000** datasets ! (was **166 000** in Dec)

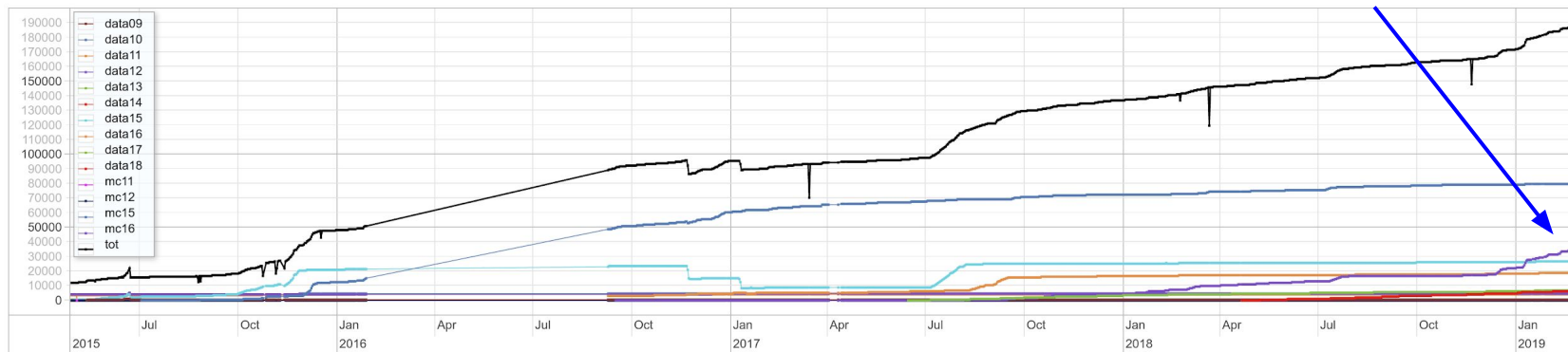


Events (224297020517 @ 2019-03-03)



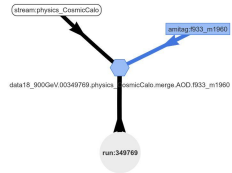
Mostly mc16

Datasets (188969 @ 2019-03-03)

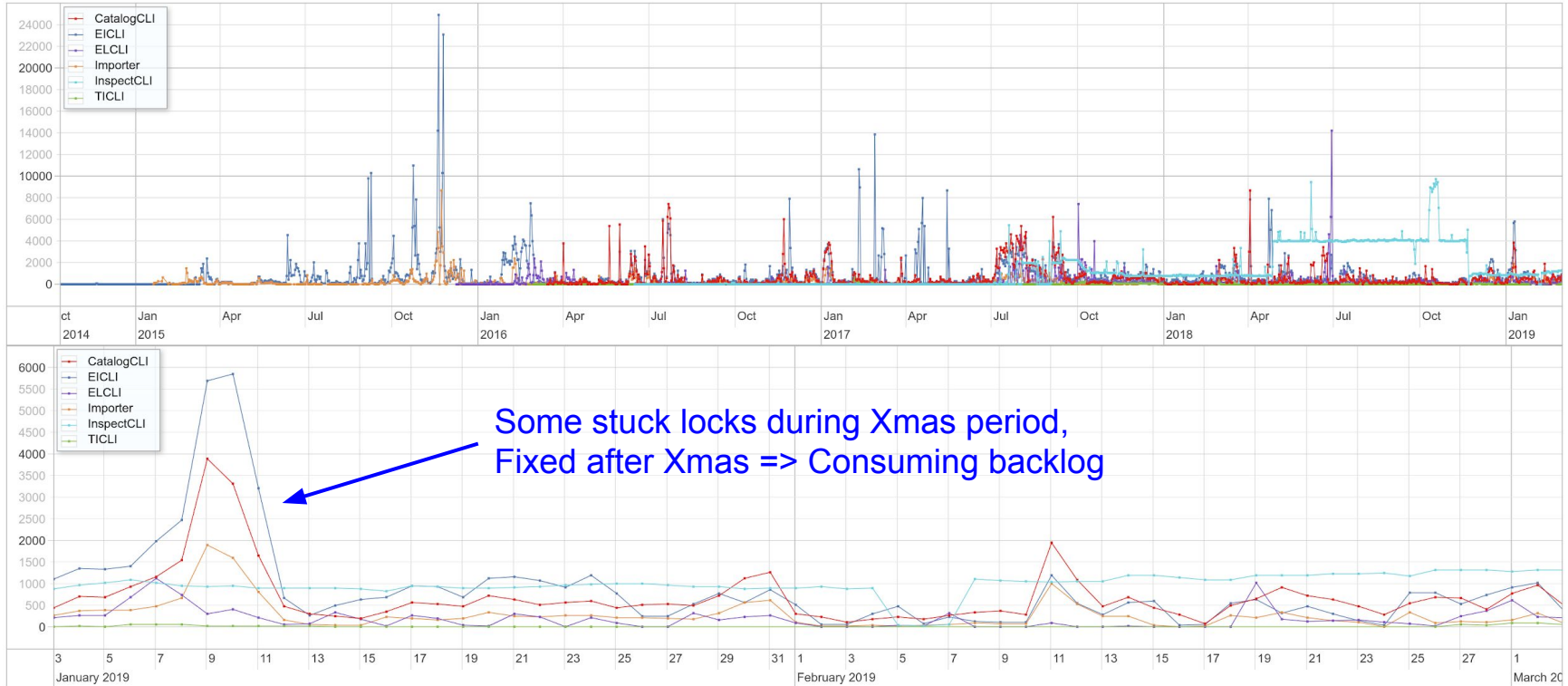




Status - Access

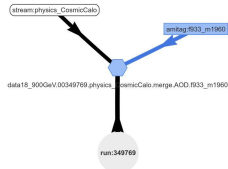


Daily Access statistics (3824976 @ 2019-03-03)





Data12 - ok



Event Index

Problems or Questions ? - Ask [service manager](#) !
[Detailed Help](#) - Service-oriented (old) Portal

Event Lookup

Available runs

E112.1

00202712 00202740 00202798 00202965 00202987 00203027 00203169 00203195
 00203277 00203335 00203336 00216416

E112.1/00216416:

live Help

Cluster by AMI Tag Cluster by group size Expand all clusters

overlap thresholds:

tag level: 99 | target: null | filter: null | unique

PNG [histogram](#)

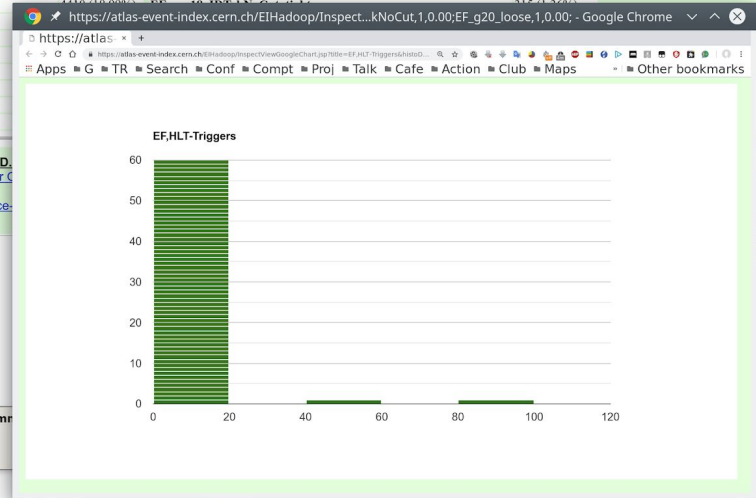
data12_8TeV.00216416.physics_Bphysics.merge.AOD.r4065_p1278
 @/00

L1_2MU4	22929 (98.76%)
L1_2MU4_MU6	19560 (84.25%)
L1_2MU4_BARREL	12652 (54.49%)
L1_2MU4_BARRELONLY	10999 (47.37%)
L1_2MU4_MU6_BARREL	10679 (46.00%)
L1_2MU6	9253 (39.85%)
L1_MU15	1108 (4.60%)
L1_2MU4_2EM3	1108 (4.60%)
L1_MU20	1108 (4.60%)
L1_2MU10	1108 (4.60%)
L1_MU6	1108 (4.60%)
L1_TAU8_MU10	1108 (4.60%)
L1_3MU4	1108 (4.60%)
L1_EM6_2MU6	1108 (4.60%)

PNG [histogram](#)

data12_8TeV.00216416.physics_Bphysics.merge.AOD.r4065_p1278
 @/00

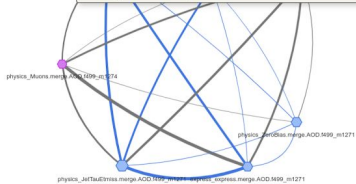
EF_2mu4T_Jpsimumu_IDTrkNoCut	22671 (97.65%)
EF_mu4Tmu6_Jpsimumu_IDTrkNoCut	12288 (52.93%)
EF_eb_physics_L1PS	1079 (4.65%)
EF_mu18_tight_Jpsi_EFFS	1009 (4.35%)
EF_mu18_tight_L2_2mu4T_Jpsimumu	569 (2.45%)
EF_mu18_tight_mu8_EFFS	398 (1.71%)



data12_8TeV.00216416.physics_Bphysics.merge.AOD.r4065_p1278
 * [Catalog](#) - [Dataset Overlaps](#) - [Trigger Statistics](#) - [Trigger](#)
 * [Generic](#) - [Catalog](#) - [Event Index](#)
 * For experts: [E1](#) - [EL](#) - [TI](#) - [Inspect](#) - [Journal](#) - [Full Service](#)
 (*) ... may be slow, (+) ... external service

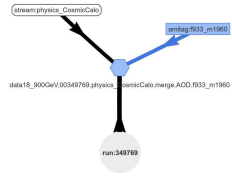


data12_8TeV.00216416.physics_Muons.merge.AOD.r499_m1274 x data12_8TeV.00216416.physics_Egamma.merge.AOD.r499_m1274
 overlap = 604
 union = 1098463
 overlap/n = 0.30%, 0.07%





MC HITS Duplication



So far, two datasets with multiplied events:

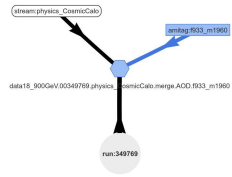
```
% catalog -query 'id:MC16.1 dataType:HITS multi:~null' -filter 'id nevents multi imported'
```

```
...
```

```
1 : id = MC16.1.mc16_13TeV.Pythia8EvtGen_A14NNPDF23LO_jetjet_JZ3WithSW.simul.HITS.e7142_e5984_s3126.364703,  
nevents = 51855000, multi = 2x13434856, imported = 2019.02.26.20.24.1551209075,  
2 : id = MC16.1.mc16_13TeV.Pythia8EvtGen_A14NNPDF23LO_jetjet_JZ6WithSW.simul.HITS.e7142_e5984_s3126.364706,  
nevents = 27967500, multi = 2x7377546, imported = 2019.02.25.18.51.1551117109,
```



Problems

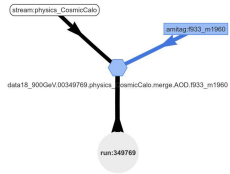


- Outdated Hadoop configuration files have blocked Map/Reduce Jobs
 - Import and Event Lookup not harmed
- Configuration files update (fix) has deleted Kerberos keytab
 - So Web Service stopped working
- Everything is now fixed
 - And missing derived files (overlaps, statistics, duplications,...) have been re-created
 - Will RPM delete Kerberos keytab next time ?
- Configuration warnings from `hdfs.DFSUtil` filled log-files
 - Blocked via log4j setup

- **AFS** disappearing
 - Client Distributed via CVMFS (since a long time)
 - Ext soft and spool/log on localhost:/data
 - Still on AFS:
 - Source
 - Conf files
 - Some Logs and locks



Info



Service: <https://atlas-event-index.cern.ch/EIHadoop>

Home: <https://atlas-event-index.cern.ch>

FAQ: <https://atlas-event-index.cern.ch/doc/faq>

Web Service Help: https://docs.google.com/presentation/d/17tANiuNa1k7DqEYWkjDncd1oF0jZqFQsCDFHQ_1dRYY/edit?usp=sharing

GIT: <https://gitlab.cern.ch/atlas-event-index/Atlas-Event-Index-Core.git>

Questions & Comments: <mailto:Julius.Hrivnac>

We should change atlevind pwd today !