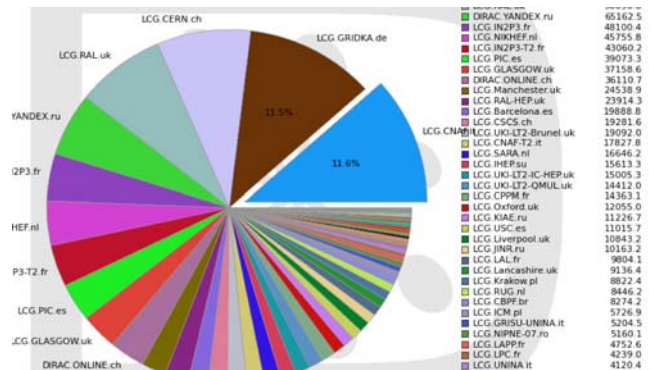


Yandex CERN openlab projects

LHCb GRID Tier-2 cluster:

- 70 machines
- 2240 CPUs
- 3500 GB RAM
- 100 TB Disk



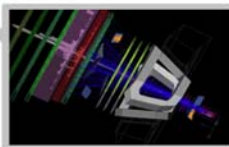
Advanced search

Select All [Compare Selected](#) [Download Selected](#) Sort by

[89347:1131716656](#)

Event time		Wed Aug 17 06:17:03 2011	
Global Event Activity counters			
nPVs	2	nTTClusters	953
nTracks	193	nITClusters	781
nLongTracks	82	nOTClusters	5194
nDownstreamTracks	32	nSPDhits	426
nUpstreamTracks	17	nMuonCoordsS0	500
nVeloTracks	134	nMuonCoordsS1	74
nBackTracks	22	nMuonCoordsS2	52
nTTracks	20	nMuonCoordsS3	12
nRich1Hits	2912	nMuonCoordsS4	10
nRich2Hits	2880	nMuonTracks	4
nVeloClusters	2052		

[89535:77981300](#)

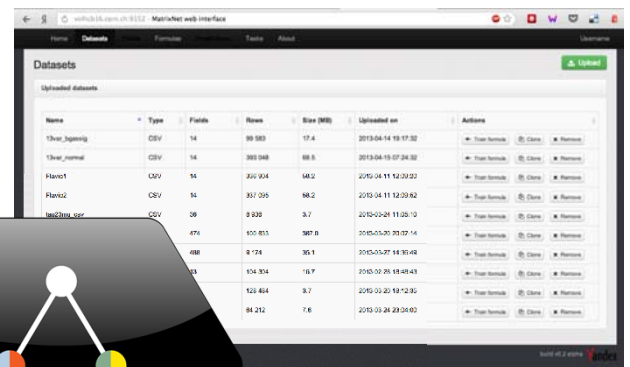


Event Index service:

- 1e10 events
- Online query
- find specific events
- Download events from GRID with no programming

Machine Learning for physics service:

- Upload dataset
- Train formula on pool (specify structural parameters), monitor quality
- Export formula executable file
- Optimize set of algorithm structural parameters (number of trees, regularization shrinkage, resolution, ...)
- Customized FOMs
- OLAP integration



Name	Type	Fields	Rows	Size (MB)	Uploaded on	Actions
13tev_japanig	CSV	14	89 383	17.4	2013-04-14 15:37:32	Train Formula Clone Remove
13tev_normal	CSV	14	385 048	69.6	2013-04-19 07:24:32	Train Formula Clone Remove
Kaon0	CSV	14	350 904	68.2	2015-04-11 14:39:22	Train Formula Clone Remove
Flavio2	CSV	14	351 095	68.2	2015-04-11 12:39:82	Train Formula Clone Remove
hbc200_csv	CSV	36	9 939	3.7	2015-02-24 11:05:10	Train Formula Clone Remove
	CSV	47x	100 815	187.8	2015-05-20 20:07:14	Train Formula Clone Remove
			9 174	35.1	2015-04-07 14:30:48	Train Formula Clone Remove
			154 354	16.9	2015-03-26 15:48:43	Train Formula Clone Remove
			124 484	3.7	2015-02-20 19:12:35	Train Formula Clone Remove
			84 212	7.6	2015-03-24 23:04:02	Train Formula Clone Remove

