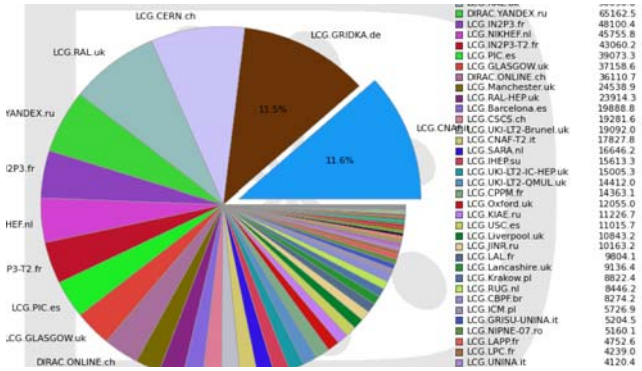
Yandex

CERN openlab

Yandex CERN openlab projects

LHCb GRID Tier-2 cluster:

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

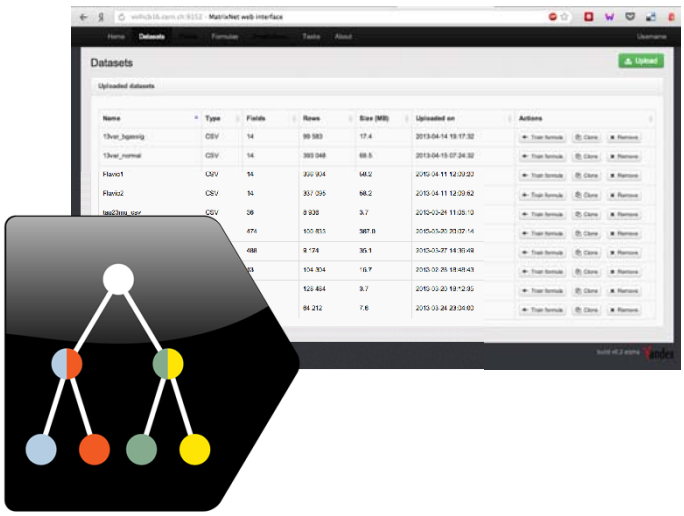


Event Index service:

- 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



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