Fermilab Tevatron
B. Abbott

- Collider Tevatron no longer operational
- However, large dataset still being analyzed and results being published (i.e D0 is planning 70 physics analyses/publications in 2013-2014)
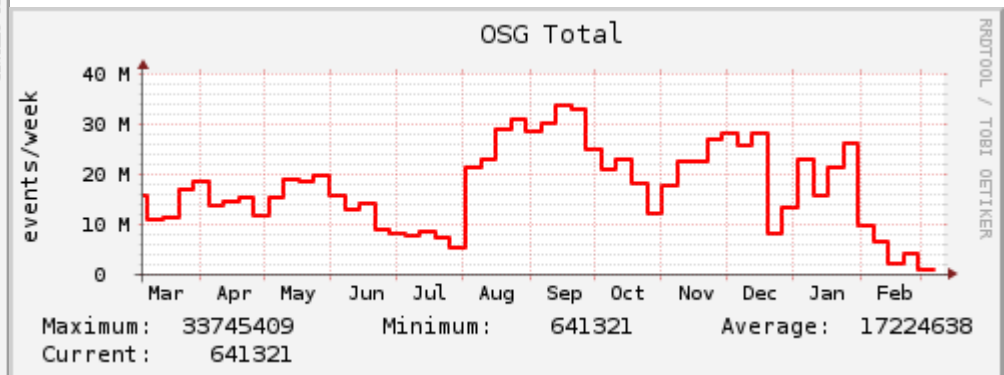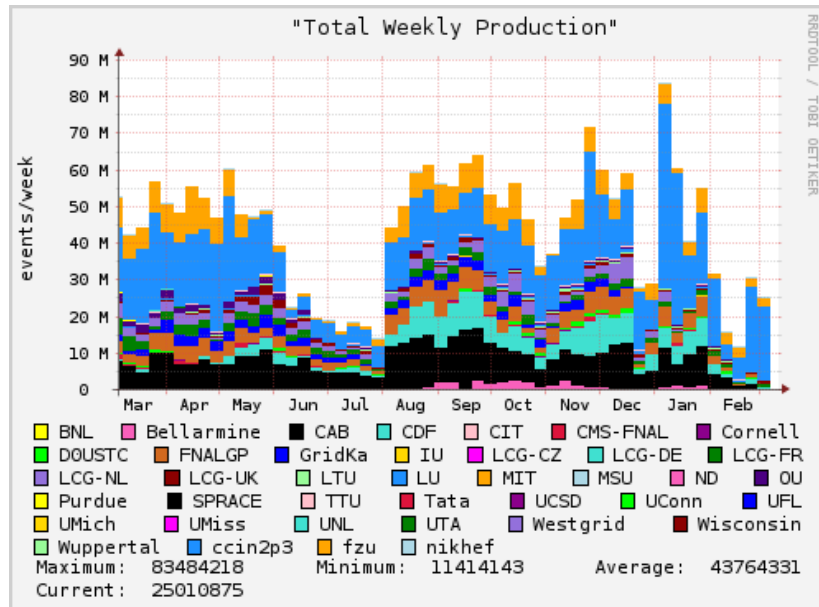- Will still need OSG resources for forseeable future

CDF

- CDF will continue to rely on OSG infrastructure and resources for CDF computing (analysis, MC, data re-processing) for the foreseeable future.

- CDF/Run 2 data preservation will require the use of virtualization within a grid or other high-throughput distributed environment to run CDF offline software. There are currently resources within CDF/SCD (Scientific Computing Division) directed toward the design and implementation of data preservation solutions. CDF seeks engagement with OSG in defining the role that such virtualization will play in the future of OSG.

- CDF consistently reports at various funding agency and lab reviews and in the OSG annual report that all of our physics results and papers depend upon the OSG for the resources and infrastructure than enable our research activities.

D0

- D0 consistently reports at various funding agency and lab reviews and in the OSG annual report that all of our physics results and papers depend upon the OSG for the resources and infrastructure than enable our research activities.

- D0 will continue to rely on OSG infrastructure and resources for D0 computing (analysis, MC) for the foreseeable future. Although at a reduced level (see next slide)

D0 Monte Carlo OSG usage may go down significantly after summer 2013

- Physics analyzers expect to need ~500 million Monte Carlo events

- Large Scale Monte Carlo processing expected through summer 2013

Summary

- Both Tevatron experiments heavily utilizing OSG and will continue to do so for the next several years
- Both experiments will continue to publish a large number of physics results using OSG resources over the next several years.
- Both experiments are consistently reporting to funding agencies the critical importance of OSG to perform the research
- CDF will require use of virtualization and wishes to engage OSG on this
- D0 will continue to rely on OSG, but MC needs will be diminished after summer 2013