

Atlas Report 24.02.2015

- **WLCG Operations Coordination Meeting - February 19th, 2015**
 - exploiting almost all the resources.
 - single core
 - multicore: we still see that there is room for improvements in terms of how many resources we really get
 - we are in contact with Alessandra on this.
 - we have agreed to extend the length from 100 to 200 events, which would double the length of the jobs, thus limiting the starvation
 - Analysis is running as usual
 - MC15a in final validation stages: bulk of 1G events will be submitted in one/two weeks. all [MultiCore](#). this is a workload foreseen for approx 3 months
 - ATLAS cosmics data taking ongoing (M8).
 - Tier-0 running smoothly with the [LSF](#) dedicated master (2.5k slots). Data from P1 are going still to CASTOR.
 - Data replication to the Grid has been setup with the RPG (Replication Policy on the Grid) tool.
 - FTS3: great collaboration with the experts, but we are anyway suffering of bugs that we don't understand why were not been spot before: shares are not respected, i.e. Tier0 data and [DataConsolidation](#) and User are all in a single queue, thus many user requests could block e.g. Tier-0 export. For now we will workaround changing priority on the ATLAS side but this is not a clean solution, only temporary.
- **From ADC weekly**
- Production
 - Some Latest Production Issues & Questions:
 - Main issue: replication of data and the homogeneous distribution of the jobs over the grid.
 - Total Inputs for tasks not synchronized (task finished before previous step finishes) : fixed
 - Scouts not finding site to run
 - Merge step : what do we do with the log files?
 - Duration of simulation and digi+re cMCORE jobs:
 - Current duration of the multicore jobs ~1 hour is not the optimal for the production system. Discussions between experts to enlarge in some cases the length to ~8 hours.
 - However some opportunistic resources prefer short jobs.
 - Test tasks with more events per job will be submitted to check the efficiency.
 - Need wider expert discussion.
 - In future the length of the jobs will be adjusted by JEDI after running the scouts. JEDI will send short jobs to some sites and longer jobs to some other sites
 - Optimization of multicore jobs in the grid
 - We observe inefficiency filling the resources worldwide for few large simulation tasks assigned to few clouds.
 - There are limits per cloud for task and job submission depending of the number of queued and running jobs by job type.
 - Large tasks assigned to a cloud may prevent high priority jobs to run.
- SW installation problems
 - under investigation
 - mentioned at Physics coordination meeting