

The ATLAS Production System Evolution.
New Data Processing and Analysis Paradigm for the LHC Run2 and High-Luminosity
Highlights

- New generation of ATLAS production system was developed for Run 2 – **ProdSys2**
 - Improved resource utilization
 - New types of computing resources: HPC, Clouds
 - Improved usability and robustness
- ProdSys2 includes several subsystems: Web UI, task definition(DEF_T), job execution and definition(JEDI), monitoring(BigPanDA)
- ProdSys2 is a workflow driven system and it's used for dealing with the all variety of ATLAS activities
 - More than 250K cores used by simultaneously running jobs in the system