

UniBE Tier-2 report (Jan 2020)

- LHEP alone already over pledge, aiming at increasing delivery in Q1.
- Instabilities in the 2nd half of the month (job failures, bad jobs, lower delivery, gaps):
 - LHEP:
 - Job timeouts (CPU throttling due to power and thermal issues). Addressed.
 - Unstable data staging: still investigating, but mainly under control (crons)
 - Temperamental RAID controller on one disk server, working on it
 - UBELIX:
 - Some scratch instabilities, investigations ongoing
 - Lower delivery at 16% of total (should be 23-25%)
 - LHEP+UBELIX
 - Bad user jobs (with up to 3M files each)
 - Killed the scratch at LHEP twice, reached quota at Ubelix, draining both sites
 - Debugged for several days at LHEP and Ubelix, then with ATLAS experts
 - User traced and asked to cancel the jobs
 - Drained both systems once to switch storage configuration to LHEP SE
- Low CPU efficiency for ANALY, somehow expected, also ANALY share is insignificant.
- Re-commissioned fermilab/uboone VO (MicroBooNE) at LHEP
- Accounting ATLAS dashboard vs slurm: within 1% (Dec 2019, Jan 2020)
- DPM upgraded to latest flavour with DOME - Next step: disable SRM protocol

UniBE Tier-2 statistics (Jan 2020)

	LHEP	UBELIX
HS06 all jobs (pledge 42k)	45k	7.4k
WC h all jobs (share of total)	0.84	0.16
WC good/all jobs	N/A	N/A
CPU/WC good jobs		
ANALY_UNIBE-LHEP	0.66	
ANALY_UNIBE-LHEP-UBELIX		0.60
UNIBE-LHEP_MCORE	0.91	
UNIBE-LHEP-UBELIX_MCORE		0.95
UNIBE-LHEP-UBELIX_MCORE-LOPRI		0.64
ANALY share	0.01	0.02

