

## **Wikiprint Book**

**Title:** Information about the batch system (SLURM)

**Subject:** DEEP - Public/User\_Guide/Batch\_system

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## Information about the batch system (SLURM)

For the old torque documentation, please see [the old documentation](#).

Please confer /etc/slurm/README.

### Overview

### Available Partitions

### Interactive Jobs

### Batch Jobs

### FAQ

Why's my job not running?

How can I check which jobs are running in the machine?

How do I do chain jobs with dependencies?

How can get a list of broken nodes?

Can I still use the old DEEP Booster nodes?

Can I join stderr and stdout like it was done with -joe in Torque?

What's the equivalent of `qsub -l nodes=x:ppn=y:cluster+n_b:ppn=p_b:booster?`

### pbs/slurm dictionary

PBS command	closest slurm equivalent
qsub	sbatch
qsub -l	salloc + srun —pty bash -i
qsub into an existing reservation	... —reservation= <reservation> ...
pbsnodes	scontrol show node
pbsnodes (-ln)	sinfo (-R) or sinfo -RI -h -o "%n %12U %19H %6t %E"   sort -u
pbsnodes -c -N n <node>	scontrol update <a href="#">NodeName?</a> = <node> State=RESUME
pbsnodes -o <node>	scontrol update <a href="#">NodeName?</a> = <node> State=DRAIN reason="some comment here"
pbstop	smap
qstat	squeue
checkjob <job>	scontrol show job <job>
checkjob -v <job>	scontrol show -d job <job>
showres	scontrol show res
setres	scontrol create reservation <a href="#">ReservationName?</a> = <reservation> user=partec Nodes=j3c![053-056] <a href="#">StartTime?</a> =now duration=Unlimited Flags=IGNORE_JOBS
setres -u <user> ALL	scontrol create reservation <a href="#">ReservationName?</a> =\<some name> user=\<user> Nodes=ALL startime=now duration=unlimited FLAGS=maint,ignore_jobs
releaseres	scontrol delete <a href="#">ReservationName?</a> = <reservation>