

-- AlbertoGasconBravo - 2014-12-03

Job submitting to BIRD:

First, login into NAF:

```
* ssh -X -l gascon naf-atlas.desy.de
```

My NFS directory is under /nfs/dust/atlas/user/gascon. A sample job Macro is in /nfs/dust/atlas/user/gascon/job_macro.sh. It loads the shell, the environment variables, and sets a python version recent enough.

To send jobs one has to run

```
qsub -v QUEUE="long.q" -l h_rt=80:00:00 -l h_vmem=20G -M  
alberto.gascon.bravo@desyNOSPAMPLEASE.de -m bea job_macro.sh
```

- -v QUEUE lets you choose to which queue send the job
- -l h_rt sets a maximum execution time. If the job reaches this time and hasn't finished, it will be receive a KILL signal. Each queue has a default maximum time that can be overridden this way
- -M sets a mail address to send job notifications
- -m sets whether the mail should be sent after the end(s), begin(b), abort(a) or suspend(s) of the batch jobs

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