

LOCAL

This determines if a job is set up to run locally or on a computing Cluster. If running locally setting this to "yes" is sufficient, there is no need to change any other variables.

CLUSTERTYPE

Indicates the type of cluster that will be used so that appropriate commands will be used for submission.

NAME

"CREATE_JOB_" will be stripped from all variables before being passed on. This will be the name of the job folder that is created in MadGraph/Jobs/

LIST

File containing the list of jobs to be run.

Cluster Resources

These are variables needed to run a job on a cluster, edit as appropriate.

Alt. Cluster Resources

Note this commented out section contains the set up for using a "TORQUE" based cluster rather than the default "SLURM". The user should comment out whichever version they are not using.

```
#####  
### --- Job Submission --- ###  
#####  
  
SUBMIT_JOB_NAME      = "Name_for_job"  
SUBMIT_JOB_LOCAL     = "no"  
SUBMIT_JOB_LIST      = "all.jobs"  
SUBMIT_JOB_NODES     = "--nodes=1"  
SUBMIT_JOB_PPN       = "--ntasks-per-node=8"  
SUBMIT_JOB_TIME      = "--time=15:00:00"  
SUBMIT_JOB_SCRIPT    = "slurm_submission.sh"  
SUBMIT_JOB_CLUSTERTYPE = "SLURM"  
  
#For Torque jobs  
#SUBMIT_JOB_LIST      = "all.jobs"  
#SUBMIT_JOB_TAG      = "Name_for_job"  
#SUBMIT_JOB_RESOURCES = "nodes=1:ppn=8,walltime=00:30:00"  
#SUBMIT_JOB_TASK     = "job_task/job.sh"  
#SUBMIT_JOB_CLUSTERTYPE = "TORQUE"
```