

nCores

Number of cores each job should use on the computing Cluster

program

Path to the executable that will run all the packages together to perform the scan

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 MCMC/Jobs/

CONFIG

This is the path to the configuration file, it contains the variables to scan over, the values to scan over, which processor/template to use and all the output variable names.

nJobs & chain_length

nJobs is how many jobs the user wishes to submit. Chain_length is how long the MCMC chains should be before the computer stops running (this may not be possible if the runtime provided is not long enough, but the program will stop if reaches that length).

```
#####  
### --- Create jobs --- ###  
#####  
  
# - Specify the following settings for preparing the jobs  
  
CREATE_JOB_NAME      = "Name_for_job"  
CREATE_JOB_CONFIG    = "config/hybrid_scan.conf"  
CREATE_JOB_CLUSTER   = "yes"  
CREATE_JOB_nCores    = 1  
CREATE_JOB_program    = /PATH_TO/THDM_T3PS_scanner/ParameterPointProcessor/bin/ParameterScan_  
T3PS_with_HB_HS_FAST  
CREATE_JOB_nJobs      = 4  
CREATE_JOB_chain_length = 999999  
CREATE_JOB_TEMPLATE  = "template/hybrid_basis_scan.func"
```

TEMPLATE

File containing the names of the key variables to be passed to T3PS. Also contains the 2HDM type as it's first variable.