

# Table of Contents

<b>TMD Recipes.....</b>	<b>1</b>
Ntuplizing multiple datasets at FNAL ().....	1

# TMD Recipes

## Ntuplizing multiple datasets at FNAL ()

- create a working area in a CMSSW release (357 works)
- checkout the scripts and templates from cvs

```
cvs co UserCode/TMD/scripts
```

- edit `crab.cfg.template` and modify the `storage_path` to point to your dCache area (resilient/yourusername/yoursubdirectory)
- pick a run you want to ntuplize (run list : cmswbm, <https://cmswbm.web.cern.ch/>, run summary )
- choose which datasets you want to ntuplize

`getDS.sh` contains a `dbssql` commands that queries for ALL the DS available, you can run the script separately `./getDS.sh ${RUNNUMBER}`. This produces two outputs : one, `dbssql_rrunnumber`, with the full list of available datasets for the run you chose, second, `brewInput`, contains the list of dataset to be ntuplized. You can modify this list by editing `getDS.sh` :

```
for dataset in Cosmics Commissioning EG EGMonitor JetMETTau JetMETTauMonitor MinimumBias Mu MuMon  
->for dataset in [your list of datasets]; do
```

- if you're using another release than 357, you need to change the global tag in `HLTAnalysis_cfg.py.template` according to <https://twiki.cern.ch/twiki/bin/view/CMS/SWGuideFrontierConditions>
- execute :

```
./makeJobs.sh ${RUNNUMBER}
```

This runs `getDS.sh`, then `brew.py`, and creates a subdirectory called `r${RUNNUMBER}` where you should then submit the jobs :

```
cd r${RUNNUMBER}  
submitJobs.sh ${RUNNUMBER}
```

This does NOT submit the jobs, just prints you the commands you have to copy and paste.

- when the jobs are done, you can copy them to CERN : edit `copyFilesToCern.sh`, change `resilient/lucieg/Commish2010` to `resilient/yourusername/yoursubdirectory` and `user/l/lucieg` to `user/u/username` and run :

```
./copyFilesToCern.sh ${RUNNUMBER}
```

*Troubleshooting :*

- remember to set up crab to be able to submit jobs `source /uscms1/prod/grid/CRAB/crab.(c)sh` (proper order for setup 1) `source /uscms1/prod/sw/cms/cshrc prod`, 2) setup CMSSW software, 3) CRAB setup. More on CRAB : <https://twiki.cern.ch/twiki/bin/view/CMS/SWGuideCrab>)
- output files not copied to dCache area : <https://hypernews.cern.ch/HyperNews/CMS/get/crabFeedback/3388/3/1/1/1/1.html>

-- LucieGAUTHIER - 10-Jun-2010

---

This topic: Main > HowToNtuplize

Topic revision: r7 - 2010-06-24 - LucieGAUTHIER



Copyright &© 2008-2021 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.

or Ideas, requests, problems regarding TWiki? use [Discourse](#) or [Send feedback](#)