

-- LeonardoGiannini1 - 2016-11-05

pass data

https://pypi.python.org/pypi/root_numpy/

New notes

HTCondor

Worker nodes need to know where the X509 proxy certificate is. Create it with below code and set the environment variable X509_USER_PROXY.

```
voms-proxy-init -voms cms -rfc -out ${HOME}/.x509up_${UID} -valid 192:00
export X509_USER_PROXY=${HOME}/.x509up_${UID}
```

In python/batch/condor/template.sub the use_x509userproxy option has to be set to true.

```
use_x509userproxy          = true
```

Resubmission

option "-k" for the submit.py to check existing files. One can then run it together with "-N 1" to have only 1 file per job

```
./submit .... -k ....
```

Check file by name

Check if all files are processed in the step

```
for file in $(ls prep/v1/*/*) ; do echo $file; a=${file/rep/sys}; ls ${a/v1/v1_vtype}; done | gr
```

Pirmin github

suggestion

```
git checkout -b test_runplot 776b006279396c00d6f30810cfa5fa0e1d644334
```

update

go to "pull requests", click "new pull request" and then you can select your fork and branch on the left and my master branch on the right

Compile c++ Stephane

```
g++ addBDTToTree_ewk.C -g -o addBDTToTree_ewk `root-config --cflags --glibs` -lMLP -lXMLIO -lTMVA
```

```
g++ ./plotter_vbfzll.C -g -o plot `root-config --cflags --glibs` -lMLP -lXMLIO -lTMVA -L/cvmfs/c
```

Istruzioni LWTNN usata male

con CMSSW_8_0_25

```
g++ ./Read_lwttn_json_Mbb2.C -g -o plot `root-config --cflags --glibs` -lMPL -lXMLIO -lTMVA  
-L/cvmfs/cms.cern.ch/slc6_amd64_gcc530/external/boost/1.57.0-ikhhed2/lib  
-I/cvmfs/cms.cern.ch/slc6_amd64_gcc530/external/lwttn/1.0-ikhhed/include  
-I/cvmfs/cms.cern.ch/slc6_amd64_gcc530/external/boost/1.57.0-ikhhed2/include -lboost_thread -llwttn  
-lboost_system -L/cvmfs/cms.cern.ch/slc6_amd64_gcc530/external/lwttn/1.0-ikhhed/lib  
-I/cvmfs/cms.cern.ch/slc6_amd64_gcc530/external/eigen/3.2.2-ikhhed/include/eigen3
```

export

```
LD_LIBRARY_PATH=/cvmfs/cms.cern.ch/slc6_amd64_gcc530/external/lwttn/1.0-ikhhed/lib:$LD_LIBRARY_PATH
```

./plot

```
/eos/user/l/legianni/pnfs/VHbb/LxplusZlltest/full/sys/v1_vtype/ZH_HToBB_ZToLL_M125_13TeV_powheg_pythia8/  
tree_dd.root
```

CMSDAS pre-exercises useful

das query

```
das_client.py --query="dataset=/DoubleMuon*/Run2017C-PromptReco-v3/MINIAOD" --format=plain
```

edm utils

```
edmFileUtil -d /store/relval/CMSSW_9_3_0_pre5/RelValZMM_13/MINIAODSIM/93X_mc2017_realistic_v2-v1/
```

```
edmDumpEventContent --all --regex slimmedMuons root://cmsxrootd.fnal.gov//store/user/cmsdas/2018/
```

```
edmDumpEventContent root://cmsxrootd.fnal.gov//store/user/cmsdas/2018/pre_exercises/0EE14BA8-41BB-
```

```
edmProvDump root://cmsxrootd.fnal.gov//store/user/cmsdas/2018/pre_exercises/0EE14BA8-41BB-E611-AD
```

```
edmEventSize -v `edmFileUtil -d /store/user/cmsdas/2018/pre_exercises/0EE14BA8-41BB-E611-AD2F-0CC
```

FWLite root to open MiniADOD

```
gSystem->Load("libFWCoreFWLite.so");  
FWLiteEnabler::enable();  
gSystem->Load("libDataFormatsFWLite.so");  
gROOT->SetStyle("Plain");  
gStyle->SetOptStat(111111);
```

```
TFile *theFile = TFile::Open("root://cmseos.fnal.gov//store/user/cmsdas/2018/pre_exercises/CMSDat
```

```
TBrowser b;
```

TFormula

```
Events->Scan("Sum$(Iteration$*(Jet_btagCMVA==MaxIf$(Jet_btagCMVA, Jet_btagCMVA<Max$(Jet_btagCMVA))
```

This topic: Sandbox > LeonardoGiannini1Sandbox

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