

学习汇报

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- 修改subJOB.sh

```
C1N2_a=`ls $path_a` | grep XAMPP | grep C1N2`  
C1N2_d=`ls $path_d` | grep XAMPP | grep C1N2`  
C1N2_e=`ls $path_e` | grep XAMPP | grep C1N2`  
C1C1_a=`ls $path_a` | grep XAMPP | grep C1C1`  
C1C1_d=`ls $path_d` | grep XAMPP | grep C1C1`  
C1C1_e=`ls $path_e` | grep XAMPP | grep C1C1 | grep _300p0_150p0`
```

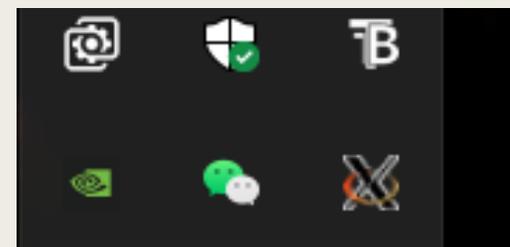
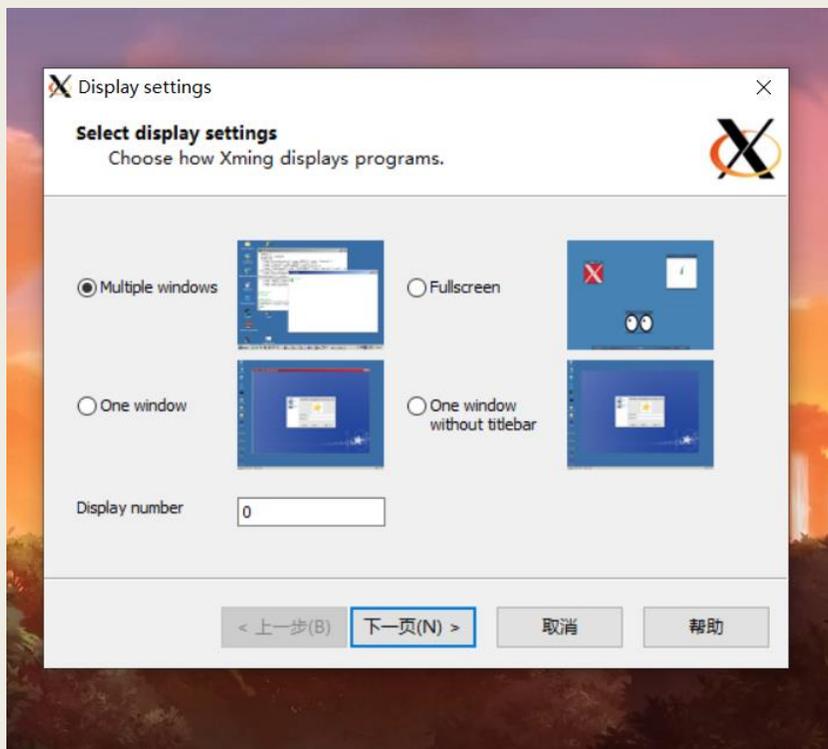
- 注释掉第52行到第644行与666行：
由于行数过多，使用vim中（ctrl+v）visual block模式，选中行首，最前方（I）插入#完成注释。
- 修改config.json

重新编译

- 清空build与run文件夹，重新配置环境，进行编译。
- 编译后source subJOB.sh，运行后进入run文件夹运行生成文件sub.sh.0

```
cmake.  
Update the VERSION argument <min> value or use a ...<max> suffix to tell  
CMake that the project does not need compatibility with older versions.  
  
-- Configuring done  
-- Generating done  
-- Build files have been written to: /publicfs/atlas/atlasnew/SUSY/users/cuiyan/Training/1_Preselction/build  
Consolidate compiler generated dependencies of target mini_analysis  
[100%] Built target mini_analysis  
[23:25 cuiyan@lxslc716 cuiyan]$ ls  
build CMakeLists.txt config DiTauMET.cxx run subJOB.sh  
[23:25 cuiyan@lxslc716 cuiyan]$ cd run  
[23:25 cuiyan@lxslc716 cuiyan]$ ls  
mini_analysis sub.sh.0 sub.sh.1 sub.sh.2
```

Xming、xlaunch



画图

```
OpenSSH SSH client
-----
Welcome to ROOT 6.20/06                               https://root.cern
(c) 1995-2020, The ROOT Team; conception: R. Brun, F. Rademakers
Built for linuxx86_64gcc on Jun 10 2020, 06:10:57
From tags/v6-20-06@v6-20-06
Try '.help', '.demo', '.license', '.credits', '.quit'/'.'

root [0]
Attaching file C1C1_Stau_300p0_150p0.16e.root as _file0...
(TFile *) 0x1e9dfd0
root [1] .ls
TFile**          C1C1_Stau_300p0_150p0.16e.root
TFile*           C1C1_Stau_300p0_150p0.16e.root
KEY: TTree      Staus_Nominal;1 SmallTree for fast analysis
KEY: TH1F      bTag;1 bTag
KEY: TH1F      bTag_N_1;1 bTag_N_1
KEY: TH1F      dPhitt;1 dPhitt
KEY: TH1F      dPhitt_N_1;1 dPhitt_N_1
KEY: TH1F      MET;1 MET
KEY: TH1F      MET_N_1;1 MET_N_1
KEY: TH1F      MT2;1 MT2
KEY: TH1F      MT2_N_1;1 MT2_N_1
KEY: TH1F      MET_low;1 MET_low
KEY: TH1F      MT2_low;1 MT2_low
KEY: TH1F      tau1Pt_low;1 tau1Pt_low
KEY: TH1F      tau2Pt_low;1 tau2Pt_low
KEY: TH1F      tau1Mt_low;1 tau1Mt_low
KEY: TH1F      tau2Mt_low;1 tau2Mt_low
KEY: TH1F      dPhitt_low;1 dPhitt_low
KEY: TH1F      dRtt_low;1 dRtt_low
KEY: TH1F      Mtt_12_low;1 Mtt_12_low

root [2] MET->Draw()
Info in <TCanvas::MakeDefCanvas>: created default TCanvas with name c1
root [3] _
```

MET	
Entries	180
Mean	69.53
Std Dev	36.56

加入a、d部分:

```
C1N2_a='ls $path_a | grep XAMPP | grep C1N2`
C1N2_d='ls $path_d | grep XAMPP | grep C1N2`
C1N2_e='ls $path_e | grep XAMPP | grep C1N2`
C1C1_a='ls $path_a | grep XAMPP | grep C1C1 | grep _300p0_150p0`
C1C1_d='ls $path_d | grep XAMPP | grep C1C1 | grep _300p0_150p0`
C1C1_e='ls $path_e | grep XAMPP | grep C1C1 | grep _300p0_150p0`

i=0
```

MET	
Entries	50
Mean	72.1
Std Dev	35.1

```
[INFO 23:27:50 | main.cxx:45] ***** Analysis Start *****
[INFO 23:27:50 | MiniAnasrc.cxx:68] Files to analyze: /publicfs/atlas/atlasnew/SUSY/users/caiyc/19v05/V04New/folder_16a/user.caiy.XAMPP.HadHad.Prod_V4New_Syst16a.C1C1_Stau_300p0_150p0_XAMPP/user.caiy.25892232
.XAMPP._000001.root
[INFO 23:27:50 | MiniAnasrc.cxx:101] Set the output file name as C1C1_Stau_300p0_150p0.16a.root
[INFO 23:27:50 | MiniAnasrc.cxx:113] Select analysis: DiTauMET
[INFO 23:27:56 | AnaConfigReader.h:89] Make Ntuple Option: On
[INFO 23:27:56 | SingleTreeRunner.h:25] Running 1 trees with 1 thread
[INFO 23:27:56 | SingleTreeLooper.h:97] *****Start cutting tree Staus_Nominal*****
[INFO 23:27:56 | DiTauMET.cxx:16] currentTree name: Staus_Nominal
[INFO 23:27:57 | SingleTreeLooper.h:111] *****End of cutting Staus_Nominal, cleaning all objs*****
[INFO 23:27:57 | main.cxx:52] ***** Analysis End. Total run time is: 6s, 799ms *****
[INFO 23:27:58 | main.cxx:45] ***** Analysis Start *****
[INFO 23:27:58 | MiniAnasrc.cxx:68] Files to analyze: /publicfs/atlas/atlasnew/SUSY/users/caiyc/19v05/V04New/folder_16d/user.caiy.XAMPP.HadHad.Prod_V4New_Syst16d.C1C1_Stau_300p0_150p0_XAMPP/user.caiy.25894814
.XAMPP._000003.root
[INFO 23:27:58 | MiniAnasrc.cxx:101] Set the output file name as C1C1_Stau_300p0_150p0.16d.root
[INFO 23:27:58 | MiniAnasrc.cxx:113] Select analysis: DiTauMET
[INFO 23:28:03 | AnaConfigReader.h:89] Make Ntuple Option: On
[INFO 23:28:03 | SingleTreeRunner.h:25] Running 1 trees with 1 thread
[INFO 23:28:03 | SingleTreeLooper.h:97] *****Start cutting tree Staus_Nominal*****
[INFO 23:28:03 | DiTauMET.cxx:16] currentTree name: Staus_Nominal
[INFO 23:28:04 | SingleTreeLooper.h:111] *****End of cutting Staus_Nominal, cleaning all objs*****
[INFO 23:28:05 | main.cxx:52] ***** Analysis End. Total run time is: 6s, 956ms *****
[INFO 23:28:05 | main.cxx:45] ***** Analysis Start *****
[INFO 23:28:05 | MiniAnasrc.cxx:68] Files to analyze: /publicfs/atlas/atlasnew/SUSY/users/caiyc/19v05/V04New/folder_16e/user.caiy.XAMPP.HadHad.Prod_V4New_Syst16e_New.C1C1_Stau_300p0_150p0_XAMPP/user.caiy.2628
1548.XAMPP._000001.root,/publicfs/atlas/atlasnew/SUSY/users/caiyc/19v05/V04New/folder_16e/user.caiy.XAMPP.HadHad.Prod_V4New_Syst16e_New.C1C1_Stau_300p0_150p0_XAMPP/user.caiy.26281548.XAMPP._000002.root
[INFO 23:28:05 | MiniAnasrc.cxx:101] Set the output file name as C1C1_Stau_300p0_150p0.16e.root
[INFO 23:28:05 | MiniAnasrc.cxx:113] Select analysis: DiTauMET
[INFO 23:28:10 | AnaConfigReader.h:89] Make Ntuple Option: On
[INFO 23:28:10 | SingleTreeRunner.h:25] Running 1 trees with 1 thread
[INFO 23:28:10 | SingleTreeLooper.h:97] *****Start cutting tree Staus_Nominal*****
[INFO 23:28:10 | DiTauMET.cxx:16] currentTree name: Staus_Nominal
[INFO 23:28:12 | SingleTreeLooper.h:111] *****End of cutting Staus_Nominal, cleaning all objs*****
[INFO 23:28:12 | main.cxx:52] ***** Analysis End. Total run time is: 7s, 271ms *****
[23:28 cuiyan@lxs1c716 cuiyan]$ ls
```

Thanks for watching!