

# 本周工作汇报

配置 vimrc

配置 bashrc

尝试编译生成可执行文件

尝试提交作业

# 配置 vimrc

## 插件管理器 vim-plug

- 易于设置：单个文件
- 易于使用：简洁、直观
- 快速并行安装和更新
- 按需加载：加快启动时间

```
48 " Plug options:
49 "
50 " | Option | Description |
51 " |-----|-----|
52 " | `branch`/`tag`/`commit` | Branch/tag/commit of the repository to use
53 " | `rtp` | Subdirectory that contains Vim plugin
54 " | `dir` | Custom directory for the plugin
55 " | `as` | Use different name for the plugin
56 " | `do` | Post-update hook (string or funcref)
57 " | `on` | On-demand loading: Commands or ``-mappings
58 " | `for` | On-demand loading: File types
59 " | `frozen` | Do not update unless explicitly specified
60 "
61 " More information: https://github.com/junegunn/vim-plug
62 "
```

# 配置 vimrc

## 个人vimrc配置

```
vim vim vim +
1 call plug#begin('~/.vim/plugged')
2 Plug 'godlygeek/tabular'
3 " 文本对齐插件
4 call plug#end()
5
6 syntax on
7 " 设置语法高亮
8 hi comment ctermfg=6
9 " 更改注释颜色
10
11 set number          "" 打开行号
12 set autoindent      "" 自动缩进
13 set smartindent     "" 更自动缩进
14 set formatoptions=tcrqn "" 继承前一行的缩进方式
15 set tabstop=4       "" 设置tab字符的显示宽度为4个空格
16 set shiftwidth=2    "" 设置自动缩进使用的空格字符数量为2
17 set noexpandtab     "" 用制表符表示一个缩进
18 set showmatch       "" 高亮显示匹配的括号
19 set ruler           "" 设置显示右下角的状态栏
20 set incsearch       "" 输入关键字的时候高亮显示
21 set autoread        "" 当检测到文件在Vim外部已被更改并且在Vim内部尚未被更改时，自动重新读取
22 set nobackup        "" 不需要备份文件
23 set encoding=utf-8  "" 设定utf8编码格式
24 set backspace=2     "" 能使用backspace回删
25 set hlsearch        "" 搜索设置高亮
26
27 au BufReadPost * if line("\") > 1 && line("\") <= line("$") | exe "normal! g'\|" | endif
28 " 自动跳到上次打开的光标位置
29
30 let mapleader = ";"
31 nnoremap <C-a> <Home>
32 inoremap <C-a> <Home>
33 nnoremap <C-e> <End>
34 inoremap <C-e> <End>
35 nnoremap <leader>s :so ~/.vimrc<CR>
36 nnoremap j gjzz
37 nnoremap k gkzz
38 nnoremap <ESC> :noh<CR>zz
-- 插入 --
```



# 配置 bashrc

## 个人bashrc配置

```
1 export PS1='[\u@\w]\$'  
2 #export PS1='[\u@\h \W]\$'  
3 #htcondor  
4 export PATH=/afs/ihep.ac.cn/soft/common/sysgroup/hep_job/bin/:$PATH  
5 export PATH=/afs/ihep.ac.cn/soft/common/sysgroup/hep_job/bin5/:$PATH  
6 source .bashrc
```

.bash\_profile 配置

1 zsh

.bashrc 配置

```
1 #####SYSTEM#####  
2 path1="/publicfs/atlas/atlasnew/SUSY/users/zhucz/data/19V04/Nom/Data"  
3 path2="/publicfs/atlas/atlasnew/SUSY/users/zhucz/data/19V04/Nom"  
4 path3="/publicfs/atlas/atlasnew/SUSY/users/zhucz/data/19V04/Nom/Sig"  
5 path_a="/publicfs/atlas/atlasnew/SUSY/users/caiyc/19v05/V04New/folder_16a"  
6 path_d="/publicfs/atlas/atlasnew/SUSY/users/caiyc/19v05/V04New/folder_16d"  
7 path_e="/publicfs/atlas/atlasnew/SUSY/users/caiyc/19v05/V04New/folder_16e"  
8 export ATLAS_LOCAL_ROOT_BASE=/cvmfs/atlas.cern.ch/repo/ATLASLocalRootBase  
9 alias setupATLAS='source ${ATLAS_LOCAL_ROOT_BASE}/user/atlasLocalSetup.sh'  
10 setupATLAS  
11 #lsetup "root 6.22.00-x86_64-centos7-gcc8-opt"  
12 lsetup cmake  
13  
14  
15  
16 #####alias#####  
17 alias mkdir='mkdir -pv'  
18 alias rm='rm -i'  
19  
20  
21  
22 #####htcondor#####  
23 ##export PATH=/afs/ihep.ac.cn/soft/common/sysgroup/hep_job/bin:$PATH  
24 ##export PATH=/afs/ihep.ac.cn/soft/common/sysgroup/hep_job/bin5:$PATH  
25  
26  
27  
28 #####ZSH#####  
29 ZSH_DISABLE_COMPFIX=true  
30  
31 # If you come from bash you might have to change your $PATH.  
32 # export PATH=$HOME/bin:/usr/local/bin:$PATH  
33  
34 # Path to your oh-my-zsh installation.  
35 #export ZSH="$HOME/.oh-my-zsh"  
36 export ZSH="/afs/ihep.ac.cn/users/s/sheny/.oh-my-zsh"  
37  
38 # Set name of the theme to load --- if set to "random", it will  
39 # load a random theme each time oh-my-zsh is loaded, in which case,  
40 # to know which specific one was loaded, run: echo $RANDOM_THEME  
41 # See https://github.com/ohmyzsh/ohmyzsh/wiki/Themes  
42 #ZSH_THEME="robbyrussell"  
43 ZSH_THEME="avit"  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71 DISABLE_AUTO_UPDATE="true"  
72  
73 # Uncomment the following line to disable auto-setting terminal title.  
74 # DISABLE_AUTO_TITLE="true"
```



# 编译生成可执行文件

## 产生可执行文件 mini\_analysis

- 源文件
- Cmakelists
- Cmake
- Make
- 生成可执行文件

```
build CMakeLists.txt config DiTauMET.cxx run subJOB.sh
[sheny@publicfs/atlas/atlasnew/SUSY/users/you/Training/1_Preselction]$vim CMakeLists.txt
[sheny@publicfs/atlas/atlasnew/SUSY/users/you/Training/1_Preselction]$cmake ../ && make -j$(echo $(nproc)-1 | bc)
CMake Error: The source directory "/publicfs/atlas/atlasnew/SUSY/users/you/Training" does not appear to contain CMakeLists.txt.
Specify --help for usage, or press the help button on the CMake GUI.
[sheny@publicfs/atlas/atlasnew/SUSY/users/you/Training/1_Preselction]$cd build/
[sheny@publicfs/atlas/atlasnew/SUSY/users/you/Training/1_Preselction/build]$cmake ../ && make -j$(echo $(nproc)-1 | bc)
CMake Deprecation Warning at CMakeLists.txt:2 (cmake_minimum_required):
  Compatibility with CMake < 2.8.12 will be removed from a future version of
  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/you/Training/1_Preselction/build
[ 12%] Building CXX object CMakeFiles/mini_analysis.dir/DiTauMET.cxx.o
[ 18%] Building CXX object CMakeFiles/mini_analysis.dir/publicfs/atlas/atlasnew/SUSY/users/you/MiniAnalysis/src/AnaOutputHandler.cxx.o
[ 18%] Building CXX object CMakeFiles/mini_analysis.dir/publicfs/atlas/atlasnew/SUSY/users/you/MiniAnalysis/src/AnaObjs.cxx.o
[ 25%] Building CXX object CMakeFiles/mini_analysis.dir/publicfs/atlas/atlasnew/SUSY/users/you/MiniAnalysis/src/AnaRunner.cxx.o
[ 37%] Building CXX object CMakeFiles/mini_analysis.dir/publicfs/atlas/atlasnew/SUSY/users/you/MiniAnalysis/src/CutCountRunner.cxx.o
[ 43%] Building CXX object CMakeFiles/mini_analysis.dir/publicfs/atlas/atlasnew/SUSY/users/you/MiniAnalysis/src/Cutflow.cxx.o
[ 50%] Building CXX object CMakeFiles/mini_analysis.dir/publicfs/atlas/atlasnew/SUSY/users/you/MiniAnalysis/src/GRLDB.cxx.o
[ 56%] Building CXX object CMakeFiles/mini_analysis.dir/publicfs/atlas/atlasnew/SUSY/users/you/MiniAnalysis/src/MetaDB.cxx.o
[ 68%] Building CXX object CMakeFiles/mini_analysis.dir/publicfs/atlas/atlasnew/SUSY/users/you/MiniAnalysis/src/PhyUtils.cxx.o
[ 68%] Building CXX object CMakeFiles/mini_analysis.dir/publicfs/atlas/atlasnew/SUSY/users/you/MiniAnalysis/src/easylogging++.cc.o
[ 68%] Building CXX object CMakeFiles/mini_analysis.dir/publicfs/atlas/atlasnew/SUSY/users/you/MiniAnalysis/src/Utils.cxx.o
[ 93%] Building CXX object CMakeFiles/mini_analysis.dir/publicfs/atlas/atlasnew/SUSY/users/you/MiniAnalysis/src/pugixml.cpp.o
[ 93%] Building CXX object CMakeFiles/mini_analysis.dir/publicfs/atlas/atlasnew/SUSY/users/you/MiniAnalysis/src/mt2_bisect.cpp.o
[ 93%] Building CXX object CMakeFiles/mini_analysis.dir/publicfs/atlas/atlasnew/SUSY/users/you/MiniAnalysis/src/main.cxx.o
[ 93%] Building CXX object CMakeFiles/mini_analysis.dir/publicfs/atlas/atlasnew/SUSY/users/you/MiniAnalysis/MiniAnasrc/MiniAnasrc.cxx.o
[100%] Linking CXX executable mini_analysis
[100%] Built target mini_analysis
[sheny@publicfs/atlas/atlasnew/SUSY/users/you/Training/1_Preselction/build]$cd ..
```

# 提交作业

## 提交失败

```
[sheny@/publicfs/atlas/atlasnew/SUSY/users/yu/Training/1_Preselction]$source subJOB.sh
CMake Deprecation Warning at CMakeLists.txt:2 (cmake_minimum_required):
  Compatibility with CMake < 2.8.12 will be removed from a future version of
  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/yu/Training/1_Preselction/build
Consolidate compiler generated dependencies of target mini_analysis
[100%] Built target mini_analysis
INFO: Please make sure your job script(s) is(are) existing and executable.
ERROR: Failed to commit ongoing transaction. SCHEDD:2:Setting owner to "sheny", which is not a valid user account
```

# 下周工作安排

2022.7.18-2022.7.25

1. 阅读文献
2. 完成作业提交
3. 尝试制作cutflow、直方图、定义区

**谢谢！**