


1. 既安装了多线程版本，也安装了单线程版本(build-st,install-st);
2. 查看多线程有没有关：songzhiahao@chuck build-st % **cat CMakeCache.txt | grep MULTITHREADED**  
GEANT4\_BUILD\_MULTITHREADED:BOOL=OFF --关了
3. 设置单线程环境配置，用之前每次source一下。
  - songzhiahao@chuck build-st % nano ~/geant4-v11.3.0/setup-geant4-st.sh
  - songzhiahao@chuck build-st % chmod +x ~/geant4-v11.3.0/setup-geant4-st.sh
  - songzhiahao@chuck build-st % source ~/geant4-v11.3.0/setup-geant4-st.sh
  -  Geant4 单线程环境已设置
4. 运行单线程的实例步骤：songzhiahao@chuck build-st % cd ..
  - songzhiahao@chuck geant4-v11.3.0 % ls
  - build                      data                      install-st                      source
  - build-st                      install                      setup-geant4-st.sh      work
  - songzhiahao@chuck geant4-v11.3.0 % cd work
  - songzhiahao@chuck work % ls
  - B1    B1-st
  - songzhiahao@chuck work % **cd B1-st**
  - songzhiahao@chuck B1-st % ls
  - build                      exampleB1.cc      exampleB1.out                      History                      init\_vis.mac
  - run1.mac      src
  - CMakeLists.txt      exampleB1.in      GNUmakefile      include                      README
  - run2.mac      vis.mac
  - songzhiahao@chuck B1-st % **cd build**
  - songzhiahao@chuck build % ls
  - cmake\_install.cmake                      exampleB1                      G4History.macro                      run1.mac
  - CMakeCache.txt                      exampleB1.in                      init\_vis.mac                      run2.mac
  - CMakeFiles                      exampleB1.out                      Makefile                      vis.mac
  - songzhiahao@chuck build % **./exampleB1**
1. cmake -DCMAKE\_INSTALL\_PREFIX=/Users/songzhiahao/geant4-v11.3.0/install-st \
 -DGEANT4\_BUILD\_MULTITHREADED=OFF \
 -DGEANT4\_USE\_SYSTEM\_ZLIB=ON \
 -DGEANT4\_INSTALL\_DATA=OFF \
 /Users/songzhiahao/geant4-v11.3.0/source
2. make -j4

- make install
  - mkdir -p ~/geant4-v11.3.0/install-st/share/Geant4
  - 1. ln -s ~/geant4-v11.3.0/data ~/geant4-v11.3.0/install-st/share/Geant4/data
  - source ~/geant4-v11.3.0/install-st/bin/geant4.sh
- //////////

```
cp -r ~/geant4-v11.3.0/source/examples/basic/B1 ~/geant4-v11.3.0/work/
geant4-B1-st
cd ~/geant4-v11.3.0/work/geant4-B1-st
mkdir build
cd build
cmake -DCMAKE_PREFIX_PATH=~/geant4-v11.3.0/install-st ..
make -j4
./exampleB1
```

export G4LEDATA=/Users/songzhihao/geant4-v11.3.0/data/G4EMLOW8.6.1