

This is a note of higgs mc production.

code <http://cmssw.cvs.cern.ch/cgi-bin/cmssw.cgi/UserCode/Shuai/lvjj2012/signal/>

Please tell me if there is any problem.

tasks: 1. Qiang 500 550 2. Shuai 350 400 450 3. Zijun, Maozhong 180 200 250 300

(You can edit this page)

instructions (take higgs mass 350 for example)

1. setup workspace

```
setenv SCRAM_ARCH slc5_amd64_gcc462
cmsrel CMSSW_5_2_5
cd CMSSW_5_2_5/src
cmsenv
cvs co -d signal UserCode/Shuai/lvjj2012/signal
cd signal
```

2. make dir for crab/GENSIM/350

```
mkdir crab
cd crab
mkdir GENSIM
cd GENSIM
mkdir 350
cd 350
cp ../../../../Qiangggh_GENSIM_cfg.py ./
cp ../../../../cb_Qiangggh_GENSIM.cfg ./
```

3. download lhe

from page

http://cms.cern.ch/iCMS/jsp/mcprod/admin/requestmanagement.jsp?dsn=GluGluToHToWWToLAndTauNuQQ_M*&
the lhe for higgs 350 is 5717

check file name:

```
eos ls /eos/cms/store/lhe/5717
```

download to local:

```
cmsStage -f /store/lhe/5717/h_ggH_WW_LNU2J_350_40.lhe ./
```

(NOTE: this lhe should put under dir 350)

4. make chages

1. in Qiangggh_GENSIM_cfg.py

1) input file: h_ggH_WW_LNU2J_350_40.lhe

2) output file: gghlvjj-350_GENSIM.root

2. in cb_Qiangggh_GENSIM.cfg

1) storage_element

2) publish_data_name = LQ-ggh350_SIM

3) additional_input_files = h_ggH_WW_LNU2J_350_40.lhe

5.

```
crab -create -cfg cb_Qiangggh_GENSIM.cfg
crab -submit
```

6. For RAWSIM step, it is mostly the same.

the changes

in Qiangggh_RAWSIM_cfg.py

outfile : gghlvjj-350_RAWSIM.root

in cb_Qiangggh_RAWSIM.cfg

datasetpath = what you get in the GENSIM

7. For RECO step

in Qiangggh_RECO_cfg.py

change output to gghlvjj-350_AODSIM.root, gghlvjj-350_AODSIM_inDQM.root

in cb_Qiangggh_RECO.cfg

datasetpath = what you get in the GENSIM

Please write your progress here

shuai

350 test ----- 1 0000

GENSIM ----- done

total events: 7799 in dataset:

/LQ-ggh500_SIM/shuai-LQ-ggh500_SIM-1a983baed03f7b4d85ff642c49c70458/USER

RAWSIM ----- sumbited

shuai

4. make chages

350 ----- 20 0000

GENSIM -----submitted

shuai

400 ----- 20 0000

GENSIM-----

shuai

450 ----- 20 0000

GENSIM -----

qiang 500----- 20 0000

This topic: Main > SignalMCProduction
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