

SingleMuons < Main < TWiki

Setup in 12.0.1

```
cd /space/laugs/trg1201 source setup.sh -tag=12.0.1 cd
/space/laugs/trg1201/Reconstruction/RecExample/RecExCommon/cnt source
setup.sh source
/afs/cern.ch/atlas/software/builds/AtlasOffline/12.0.1/AtlasOfflineRunTime/cnt/
cd ../run
```

Generating single muons 3 STEPS:

- Sim

```
change: jobOptions.G4Atlas_Sim.py
PersistenceHit.set_Value('dir/simroot') (where simroot is written out)
change params here: ParticleGeneratorOrders.Value={'vertX':' constant
0.0','vertY':' constant 0.0','vertZ':' constant 0.0','t':' :
constant 0.0','eta':' : constant 0.0','phi':' : constant 4.71','pt:'
: constant 50000'}
```

no. of events: theApp.EvtMax = 5

run like: athena jobOptions.G4Atlas_Sim.py >& config#/simlog &

// for a 1kevent run, // nohup athena.py jobOptions.G4Atlas_Sim.py >&
config1000/simlog &

- Dig

change: digitize.py

```
change: PoolHitsInput = ["config1/simroot"] PoolRDOOutput =
"config1/dig.root"
```

run like: athena digitize.py AtlasDigitization.py >& config#/dig.log &
athena -c digitize.py AtlasDigitization.py >& config#/dig.log & // nohup
athena.py digitize.py AtlasDigitization.py >& config#/dig.log &

- Reco:

```
file: combined_works.py change: PoolRDOInput = ["config1/dig.root"]
NTupleSvc.Output = ["FILE1 DATAFILE=' config1/rec.root' TYP=' ROOT'
OPT=' NEW'"]
```

run like: athena combined_works.py >& config#/rec.log &

athena

```
/space/laugs/12.0.1/Reconstruction/RecExample/RecExCommon/run/combined_works.py
>& config15m/recTest.log &
```

// nohup athena.py combined_works.py >& config#/rec.log &

cp Jive*.xml config1/

look at Jive in atlantis...

-- LauraGonzalezSilva - 15 Dec 2006

This topic: Main > SingleMuons

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