

The location of the print statement file is:

/work/halld/home/acschick/channels/missp2pi/montecarlo/DSelector_2pimispp.list

1. Convert Rory's ASCII list of 4 vectors and feed it Ilya's converter:

Location:

/work/halld/home/acschick/channels/missp2pi/montecarlo/dimuon/gen2dat_nobgProton.tcl

Command:

gen2dat_nobgProton.tcl particleType InputFile OutputFile

A's input:

./gen2dat_nobgProton.tcl pi 2pi_v12new.dat 2_piv12.genr8

2. Convert the genr8 format to hddm format

Location: (I think anywhere, ...OR)

/work/halld/home/acschick/channels/missp2pi/montecarlo/dimuon/genr8_2_hddm.cc

Command:

genr8_2_hddm -r'RunNumber' -V" 'Xtarg Ytarg ZminTarg ZmaxTarg' " -t'Target' -
P'PhotonEnergy' -s'Spread' InputFile

A's input:

genr8_2_hddm -r31000 -V"0 0 65 65.1" -tProton -P8.8 -s0 2_piv12.genr8

3. Point to this hddm file as generator for Monte Carlo in MC.config

Location:

/work/halld/home/acschick/channels/missp2pi/montecarlo/MC.config

A's input:

GENERATOR=file:/work/halld/home/acschick/channels/missp2pi/montecarlo/dimuon/2_piv12.h
ddm

Then I send it off using MCWrapper, swif, etc.

Once I get a bunch of output, I use hadd to put them all in one file, and then run my DSelector on that file.

List of Relevant Files:

a.) jana config:

```
/work/halld/home/acschick/channels/missp2pi/montecarlo/jana_2piMissingProton_trees.c  
onfig
```

where I set

```
KALMAN:ADD_VERTEX_POINT 65  
Reaction1 1_14__8_9_m14 # pi+ pi- missing proton
```

b.) MCEnvironment

```
/work/halld/home/acschick/channels/missp2pi/montecarlo/MC_environment.csh
```

which only does

```
source
```

```
/group/halld/Software/build_scripts/gluex_env_jlab.csh  
/w/halld-scifs17exp/home/acschick/version_2.37_jlab.xml
```

c.) My DSelector

```
/work/halld/home/acschick/channels/missp2pi/montecarlo/DSelector_2piMissingProton.  
C
```

h file is same name and in same directory.

And that's it.