

Set environment before doing anything!

Bin_Splitter.C

env_bins.sh

source env_bins.sh

Dependencies:

counts.root

rtree.root

pol.root

trigid.dat

root12fms Output files
../Output/*.root

Output file reduction
loop_ReduceData

reduced dataset
redset/*.root

loop_Diagnostics
diagset/*.root
hadd_Diagnostics
add_diag.pl

diagset/setdep.root

next page

phi distributions
phiset/*.root

red arrow = automated by
analyse \$output_dir

Make Phi Distributions
loop_PhiDists

mass_cuts.dat

diagset_tight
/all.root
(see below)

DrawDiagnostics.C

diag_plots/diag_web.html

diag_plots/*.png

toa_add.C

printPDFs=1

wdist_pdfs/*.pdf

Manually look for
hot towers and append
the runs to **exclusion_list****

exclusion_list_*

phiset/all.root

asym_call \$output_dir

- first calls **AsymBG.C** for the background asymmetry
- calls **Asym4.C** for three classes of events (sph, pi0, thr); note that pion purity is hard-coded here
- then calls **DrawAsymmetries.C** which draws plots for asyms vs. phi and vs. kinematic variables

asym_plots/[\$output_dir]

- asymcanv*.root (canvases)
- .png (pngs of asymcanv.root)
- *.html files for web viewing
- spin*.root (raw graphs)
- runlist*.list (final run list)
- env_bins.sh (env for this pass)

Some Other Diagnostics...

root12fms Output files
../Output/*.root

BxingDistPi0.C

pi0_bx_dist.pdf

RUNLIST.dat

chandists/*.root

loop_HotChannelSearch

HotChannelDraw.C

hot_chan.pdf

DrawPtThreshes.C

diagset/ptthresh.root

diagset/setdep.root dependent subroutines

setdep.root
contains
Ttree * threshtr
data tree for
src/KinBounds

loop_DiagnosticsTight
diagset_tight/*.root

hadd_DiagnosticsTight

add_diag.pl tight

diagset_tight/
setdep.root

diagset_tight/
all.root

MassCutter.C
[DEPRECATED]

mass_cuts.pdf

mass_cuts.dat

for loop_PhiDists above

DrawDiagnostics.C
(change argument...)

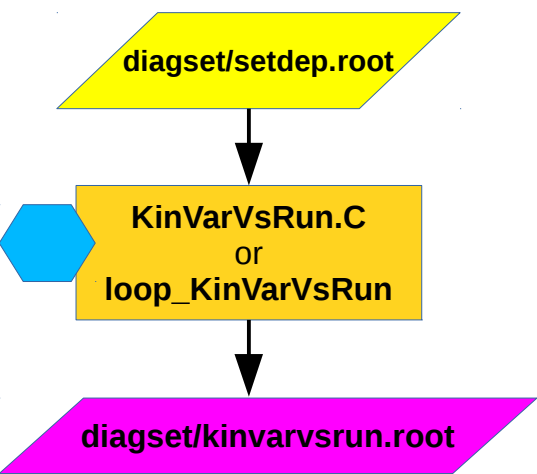
diag_plots/diag_web.html

diag_plots/*.png

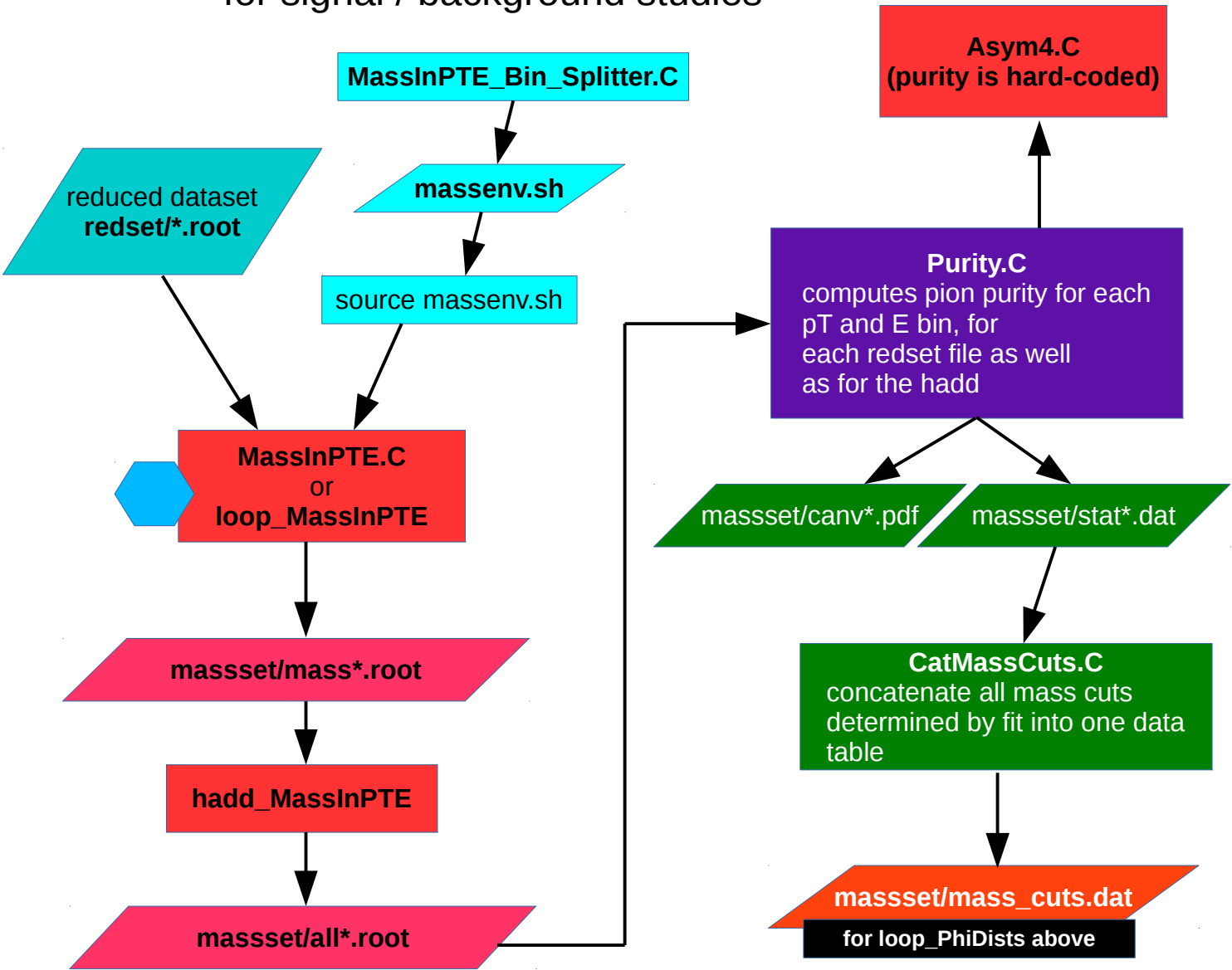
print_diag.pl
print_diag.pl tight

pdf_kincorr/*/*/*.pdf

Kinematic vs. Run plots



Mass in pT-E plane
- for signal / background studies



Reading Events and Triggers

