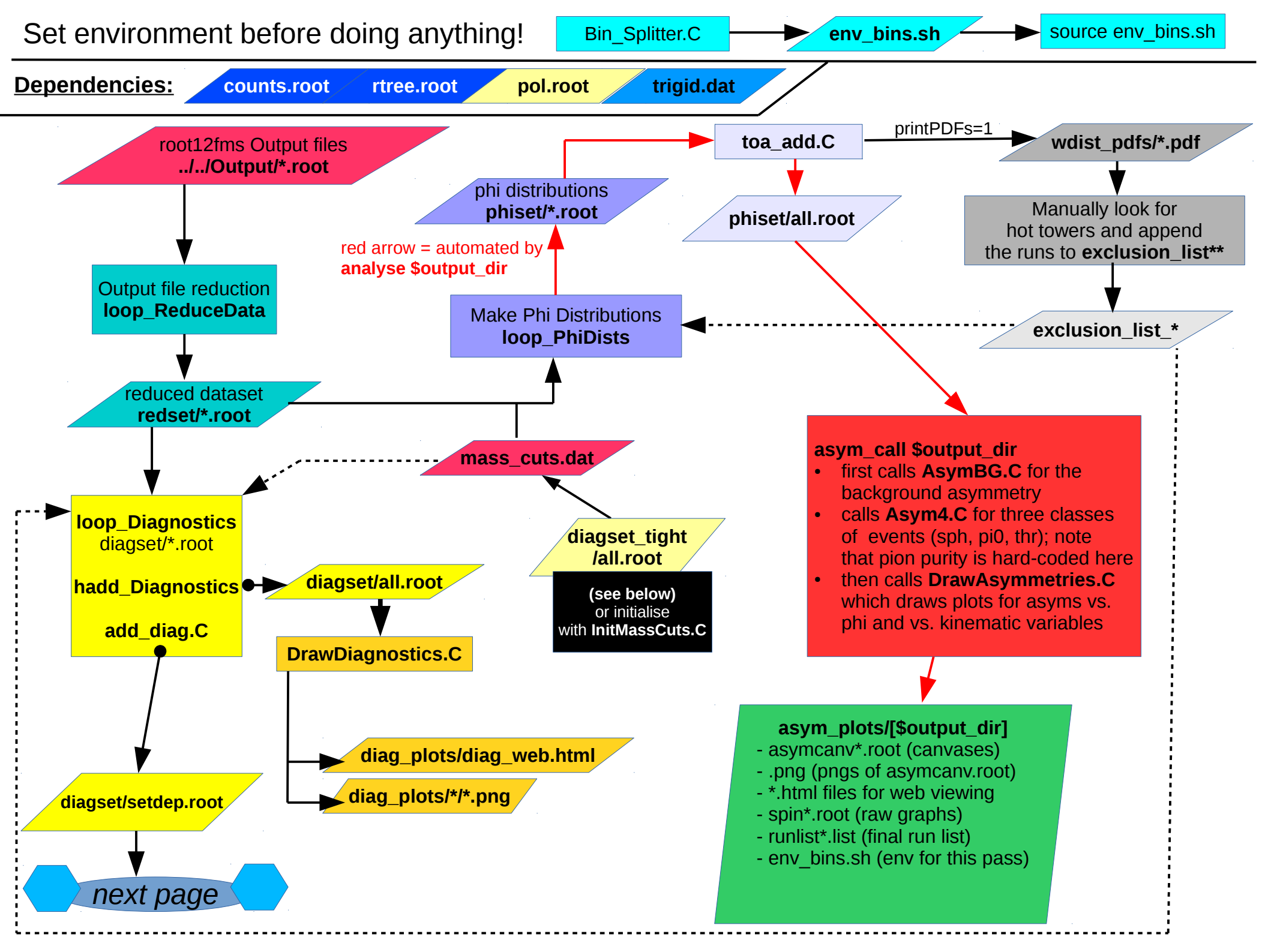
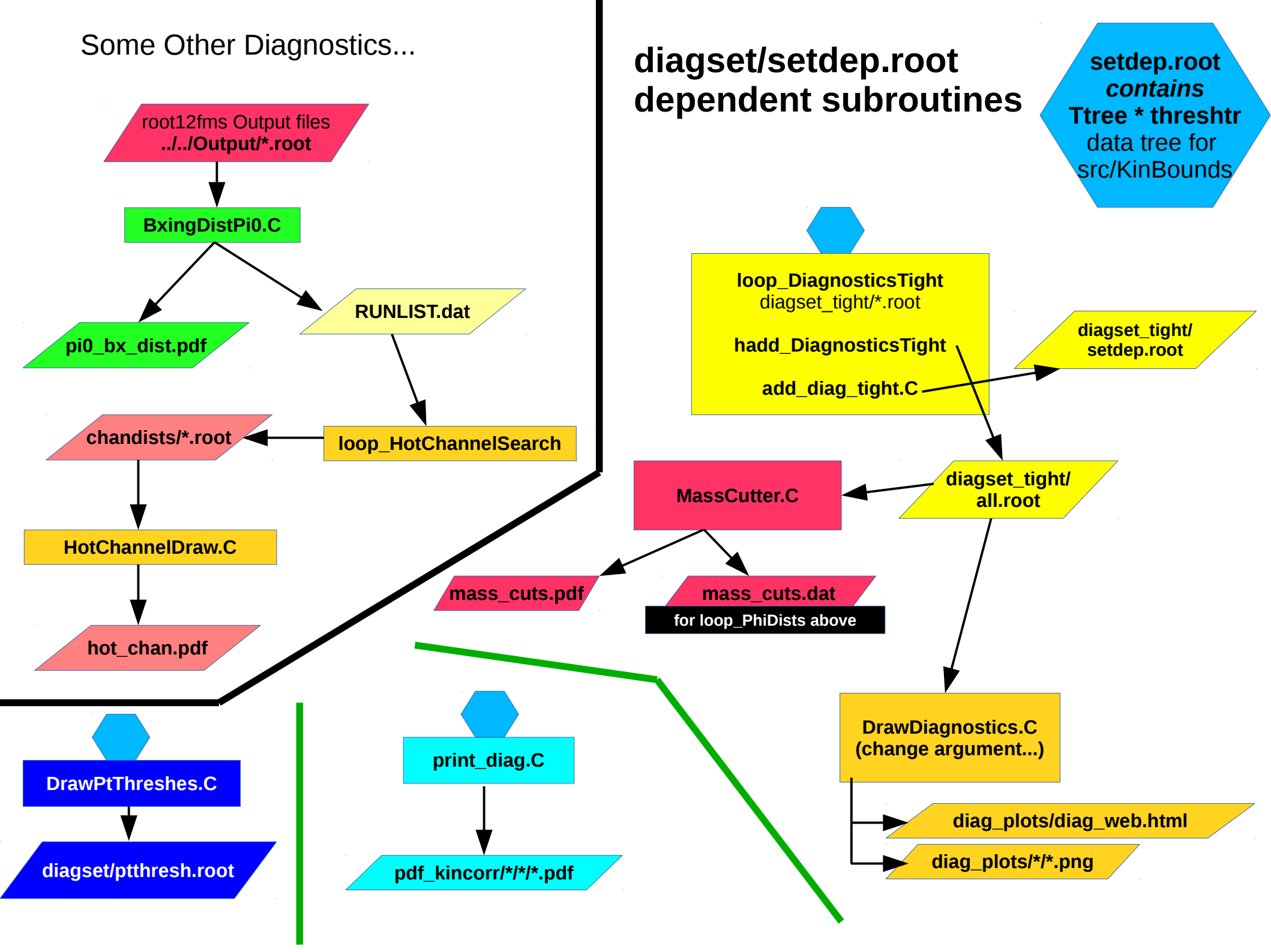
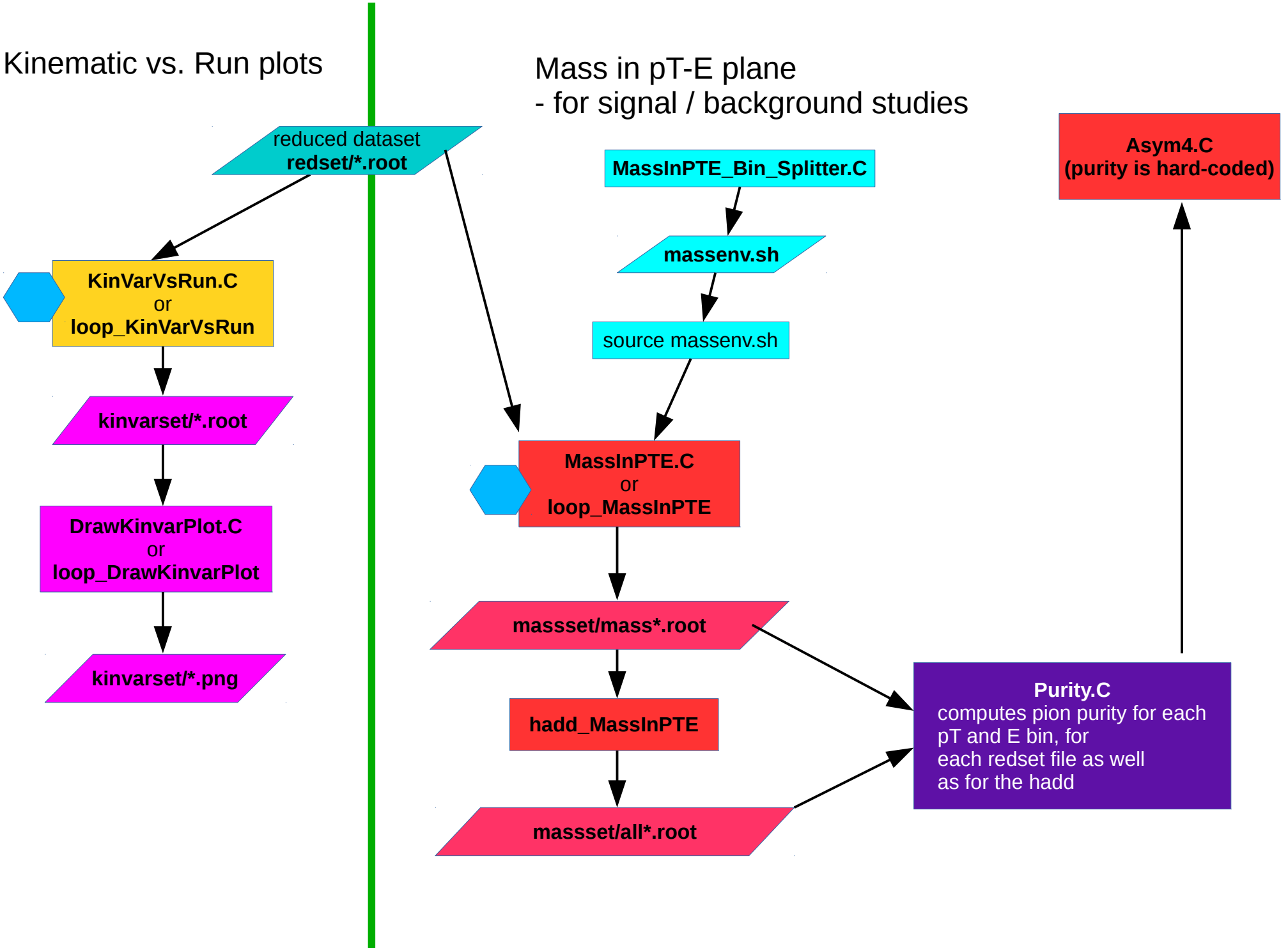

Set environment before doing anything!
Bin_Splitter.C
env_bins.sh
source env_bins.sh
Dependencies:
counts.root
rtree.root
pol.root
trigid.dat
root12fms Output files
../../Output/*.root
toa_add.C
printPDFs=1
wdist_pdfs/*.pdf
phi distributions
phiset/*.root
phiset/all.root
Manually look for
hot towers and append
the runs to exclusion_list**
red arrow = automated by
analyse $output_dir
Output file reduction
loop_ReduceData
Make Phi Distributions
loop_PhiDists
exclusion_list_*
reduced dataset
redset/*.root
mass_cuts.dat
asym_call $output_dir
first calls AsymBG.C for the background asymmetry
calls Asym4.C for three classes of events (sph, pi0, thr); note that pion purity is hard-coded here
then calls DrawAsymmetries.C which draws plots for asyms vs. phi and vs. kinematic variables
loop_Diagnostics
diagset/*.root
hadd_Diagnostics
add_diag.C
diagset/all.root
diagset_tight
/all.root
(see below)
or initialise
with InitMassCuts.C
DrawDiagnostics.C
diagset/setdep.root
diag_plots/diag_web.html
diag_plots/*/*.png
asym_plots/[$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)
next page


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
print_diag.C
pdf_kincorr/*/*/*.pdf
diagset/setdep.root
dependent subroutines
setdep.root
contains
Ttree * threshtr
data tree for
src/KinBounds
loop_DiagnosticsTight
diagset_tight/*.root
hadd_DiagnosticsTight
add_diag_tight.C
diagset_tight/
setdep.root
MassCutter.C
diagset_tight/
all.root
mass_cuts.pdf
mass_cuts.dat
for loop_PhiDists above
DrawDiagnostics.C
(change argument...)
diag_plots/diag_web.html
diag_plots/*/*.png


Kinematic vs. Run plots
Mass in pT-E plane
- for signal / background studies
reduced dataset
redset/*.root
KinVarVsRun.C
or
loop_KinVarVsRun
kinvarset/*.root
DrawKinvarPlot.C
or
loop_DrawKinvarPlot
kinvarset/*.png
MassInPTE_Bin_Splitter.C
massenv.sh
source massenv.sh
MassInPTE.C
or
loop_MassInPTE
massset/mass*.root
hadd_MassInPTE
massset/all*.root
Asym4.C
(purity is hard-coded)
Purity.C
computes pion purity for each
pT and E bin, for
each redset file as well
as for the hadd

Reading Events and Triggers