Di-Lepton "Ntuples"

First version (just for tests) only contain:
• Four momentum (El_E, p_T…)
• Global variables (MissingEt…)
• EventView Variables (El_ElectronOL…)

Will make a new version soon with, new vars., larger files, larger total stat…

Version 1 samples:

csc11.005144.PythiaZee.recon.AOD.v11004201 = 505 files   (400 something)
(xsec = 1.43E+3, AOD table)

csc11.005403.SU3_jimmy_susy.recotrig.AOD.v11000505 = 152 (152)
(xsec = 19.3)

csc11.005402.SU2_jimmy_susy.recotrig.AOD.v11000505 = 40 (40)

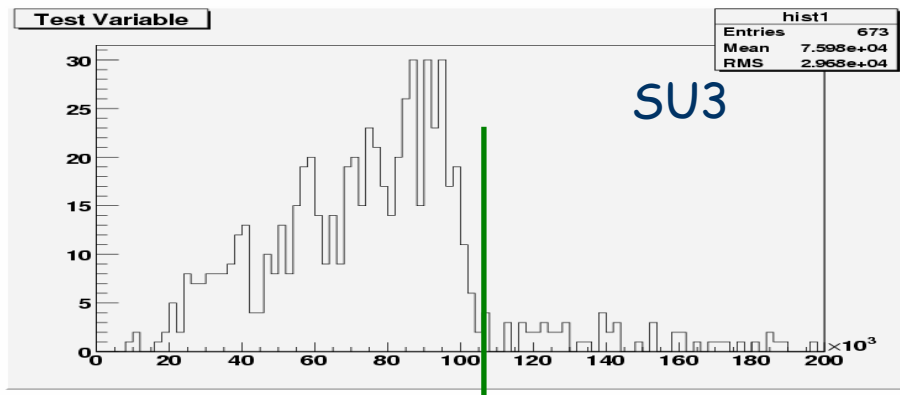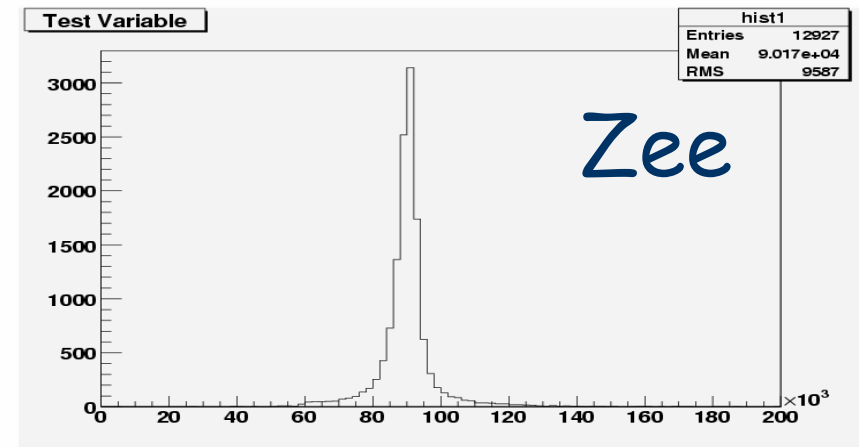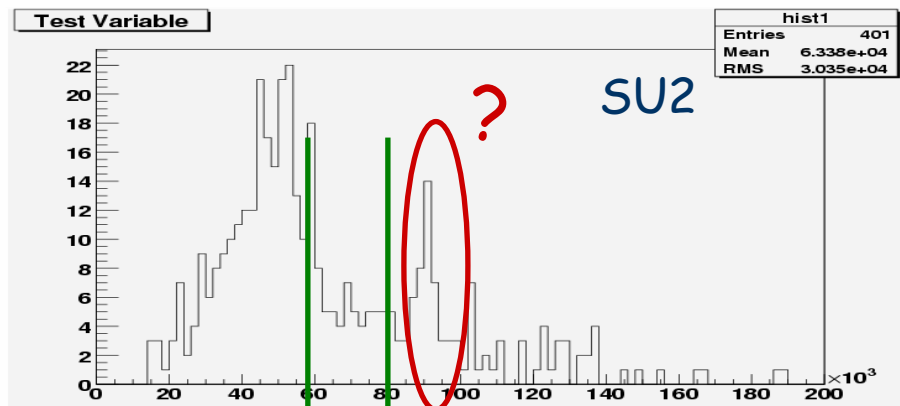csc11.005200.T1_McAtNlo_Jimmy.recon.AOD.v11004204 = 268 (32 !)
(xsec = 4.61E+2, AOD table **vs 578pb ?**)

Di-Lepton "Ntuples"

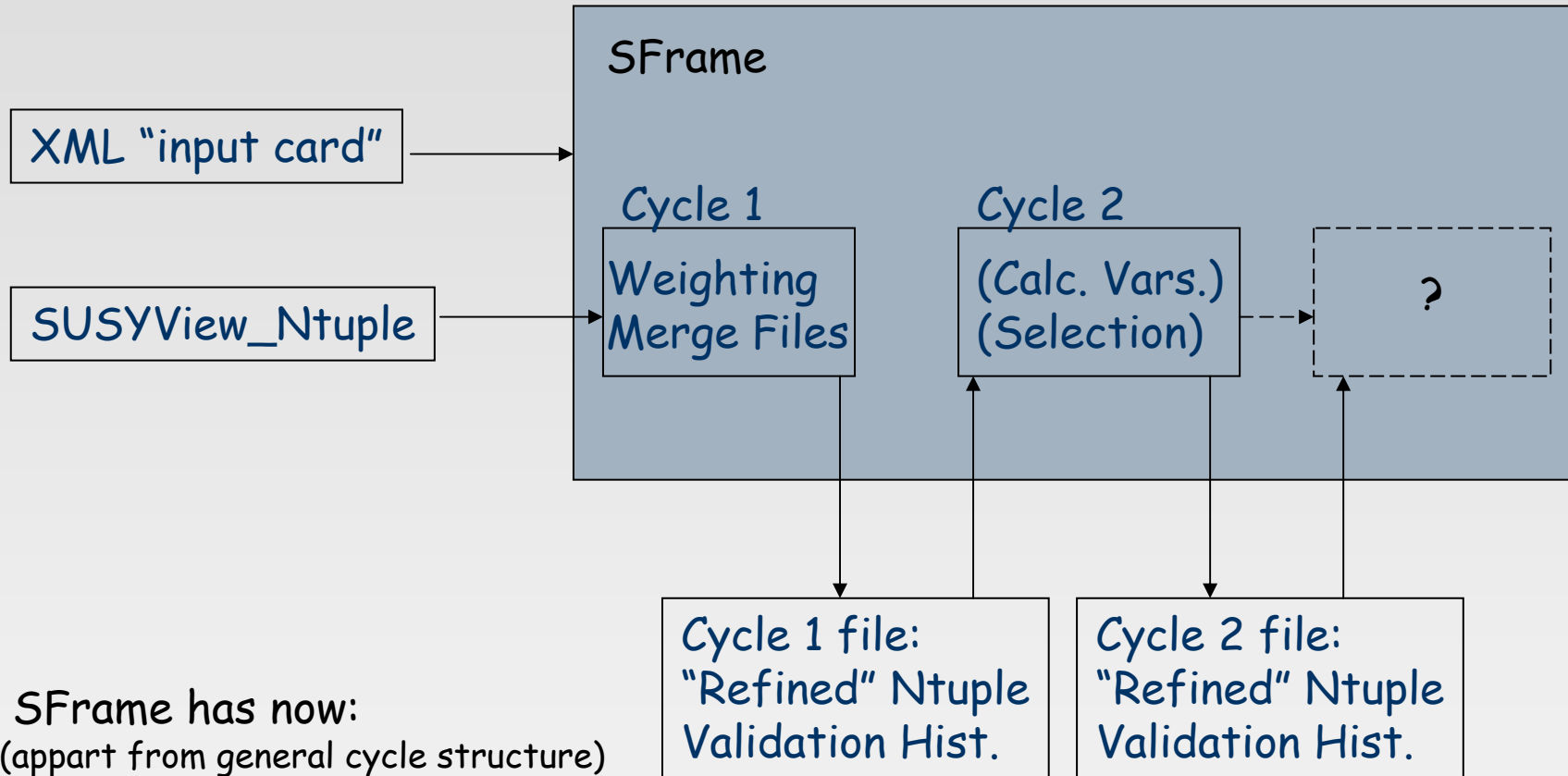Check if ntuples give any m_{ll} structure at all (no normalization)
Based on <~ 40k

SU2 → m_chi2-m_chi1 = 57 GeV
         m_chi3-m_chi1 = 77 GeV

SU3 → m_chi2-m_chi1 = 107 GeV
         m_chi3-m_chi1 = 345 GeV

SFrame (super short summary)

SFrame

XML "input card" →

SUSYView_Ntuple →

Cycle 1
Weighting
Merge Files

Cycle 2
(Calc. Vars.)
(Selection)

?

Cycle 1 file:
"Refined" Ntuple
Validation Hist.

Cycle 2 file:
"Refined" Ntuple
Validation Hist.
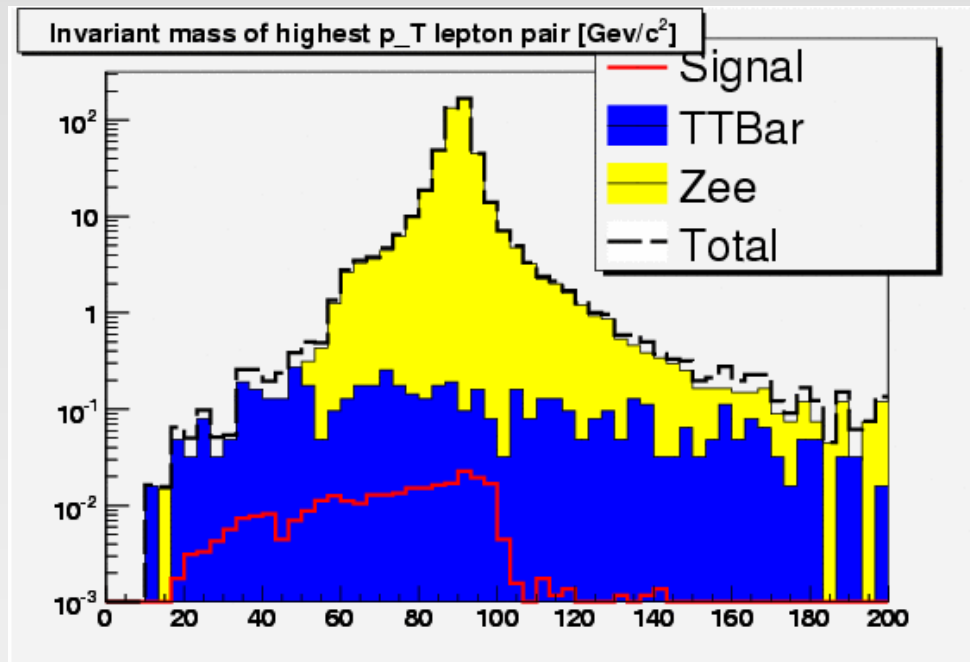
SFrame has now:
(appart from general cycle structure)
- Event weighting
- Validation histograms

m$_{ll}$, weighted

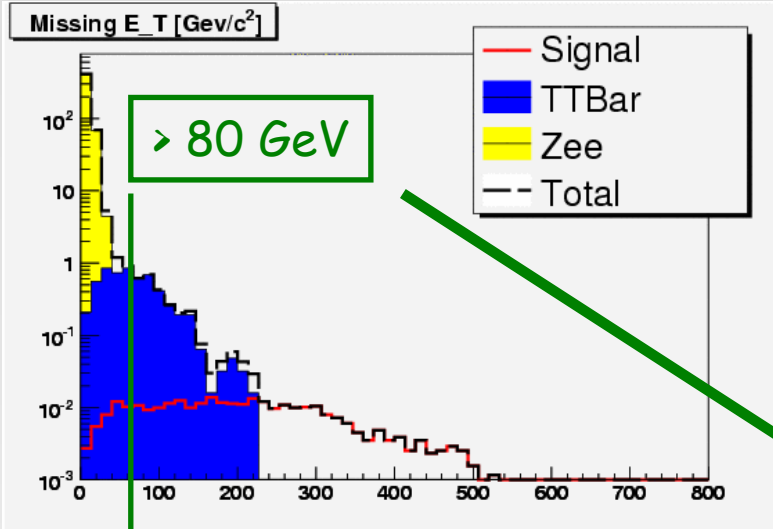SFOC electrons, p_T > 10 GeV, |eta|<2.5

Zee = 493 events (1432 = 1pb-1)

T1 = 5.5 events

SU3 = 0.39 events

Based on <~ 100k (only ~30K for T1)

mll