

# status report

- ▶ Report the status at the Software Analysis Meeting.
- ▶ We found the problem.

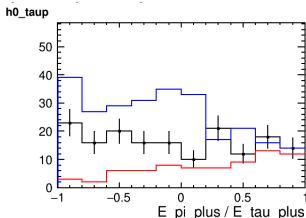
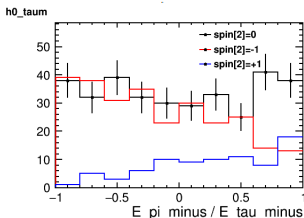
MC spin information in the 2f\_Z\_leptonic sample

the events with  $Z_0$

vertex x,	y,	z	endpoint x,	y,	z	mass	charge	spin
0.00e+00,	0.00e+00,	-6.79e-02	1.32e-01,	-1.74e-01,	2.02e-01	1.78e+00	1.00e+00	0.00e+00, 0.00e+00, 0.00e+00
0.00e+00,	0.00e+00,	-6.79e-02	-8.87e-02,	1.29e-01,	-3.63e-01	1.78e+00	-1.00e+00	0.00e+00, 0.00e+00, 0.00e+00

the events with no  $Z_0$

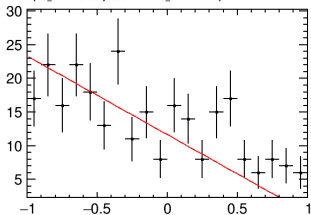
0.00e+00,	0.00e+00,	-2.16e-02	0.00e+00,	0.00e+00,	-2.16e-02	1.78e+00	1.00e+00	0.00e+00, 0.00e+00, -1.00e+00
0.00e+00,	0.00e+00,	-2.16e-02	0.00e+00,	0.00e+00,	-2.16e-02	1.78e+00	-1.00e+00	0.00e+00, 0.00e+00, 1.00e+00



WHIZARD authors are now working on fixing this.

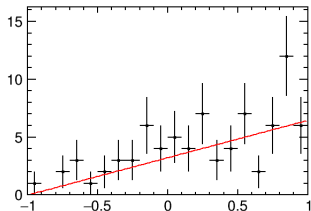
negative helicity  $\tau^-$

MC\_PolPIMinus (MC\_tauMinusDecayMode==1 & MC\_tauHelM==1)

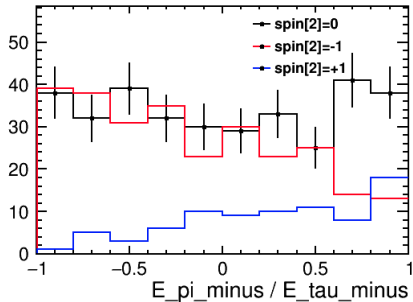


positive helicity  $\tau^-$

MC\_PolPIMinus (MC\_tauMinusDecayMode==1 & MC\_tauHelM==1)

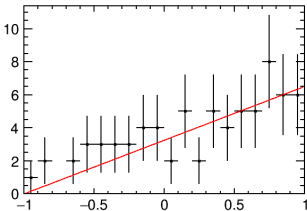


h0\_taum



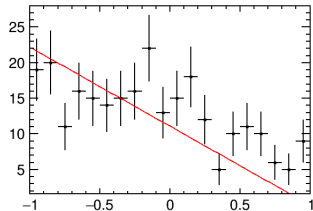
negative helicity  $\tau^+$

MC\_PolPIPlus (MC\_tauPlusDecayMode==1 && MC\_tauHelIPi==1)

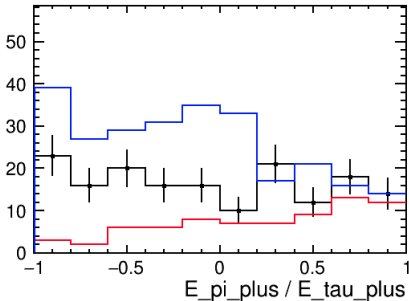


positive helicity  $\tau^+$

MC\_PolPIPlus (MC\_tauPlusDecayMode==1 && MC\_tauHelIPi==1)



h0\_tauip



should be  $< 1.7$  GeV.

invariant mass of photon

