

# Photon reconstruction in sidloi3: addendum

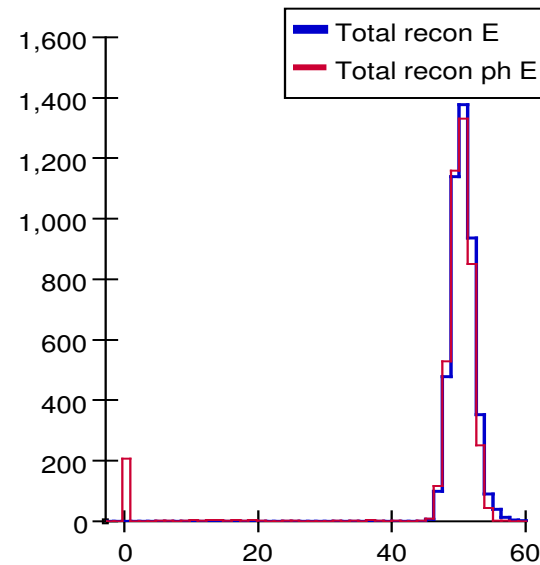
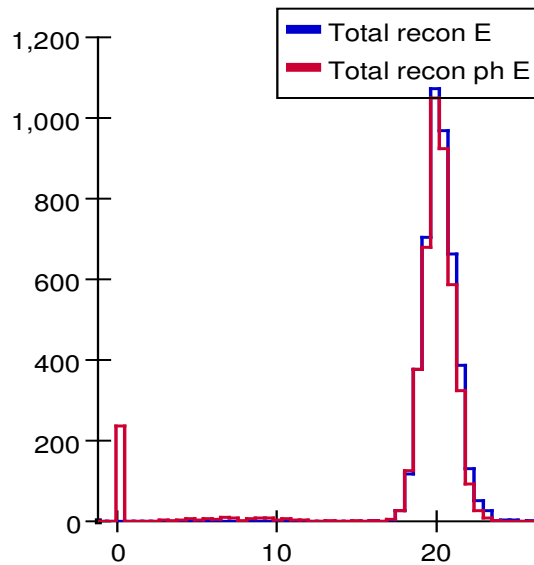
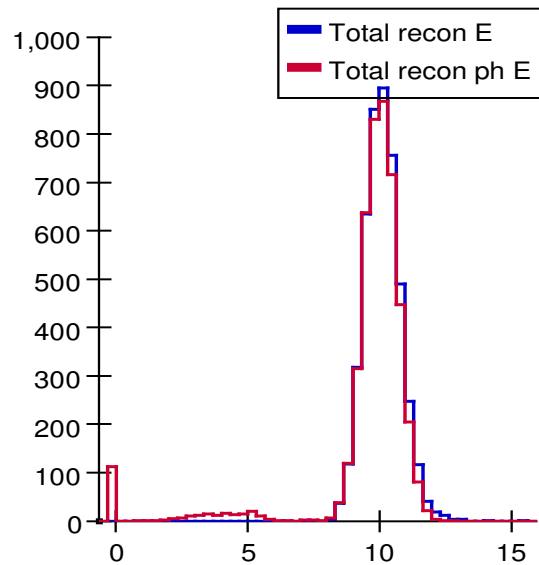
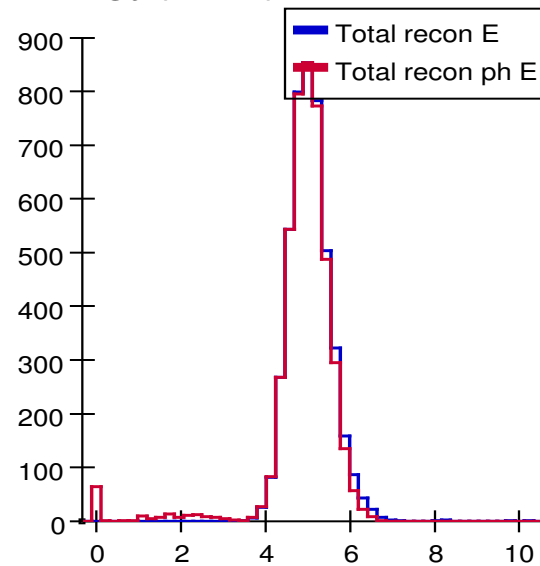
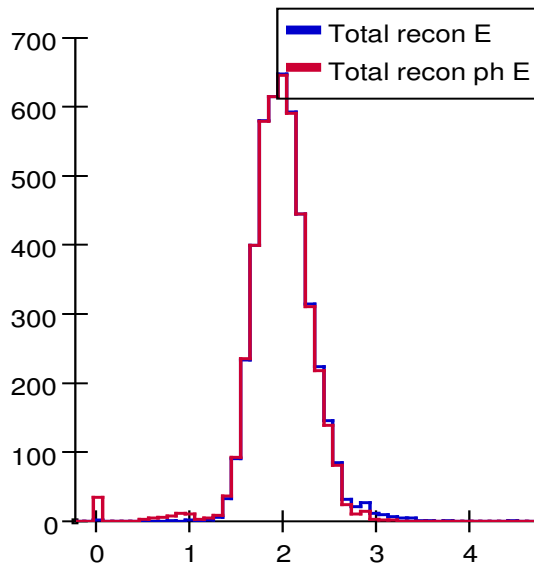
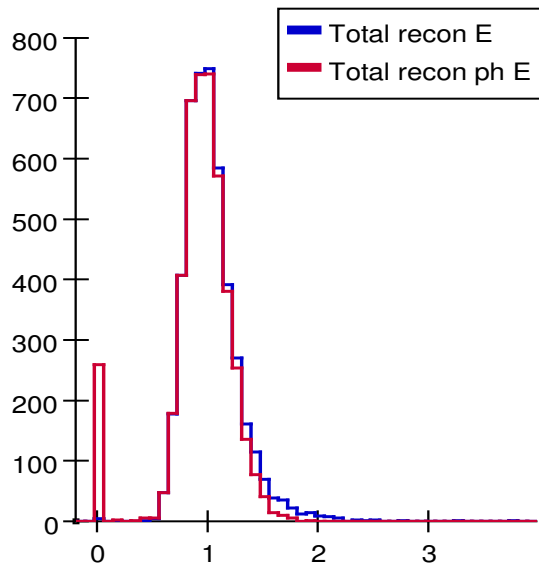
Ron Cassell

2/15/2010

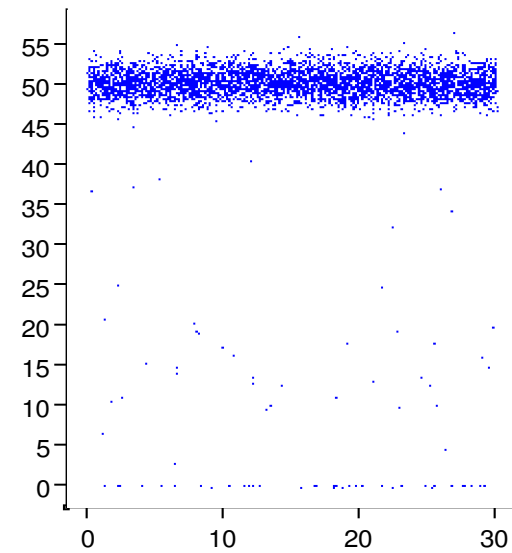
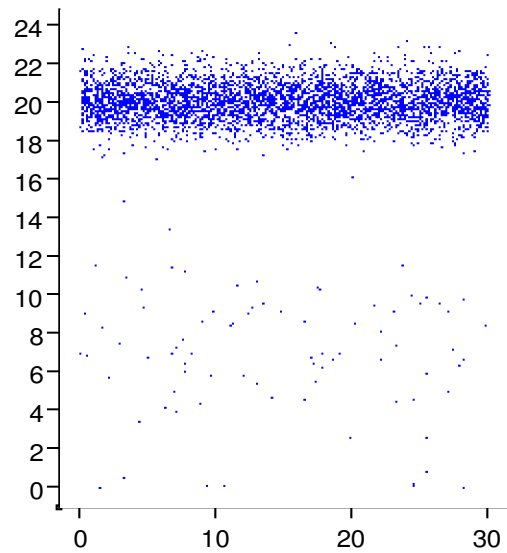
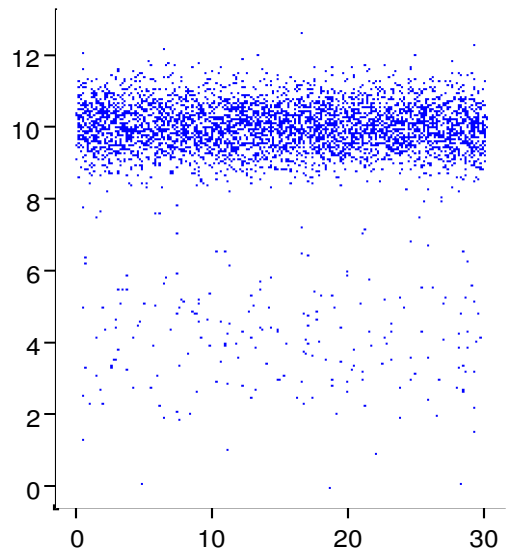
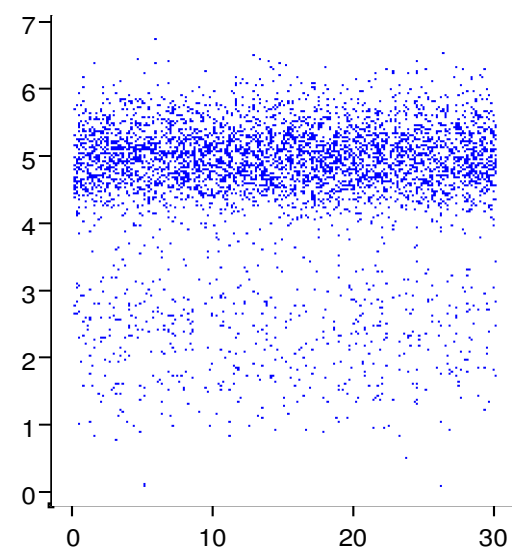
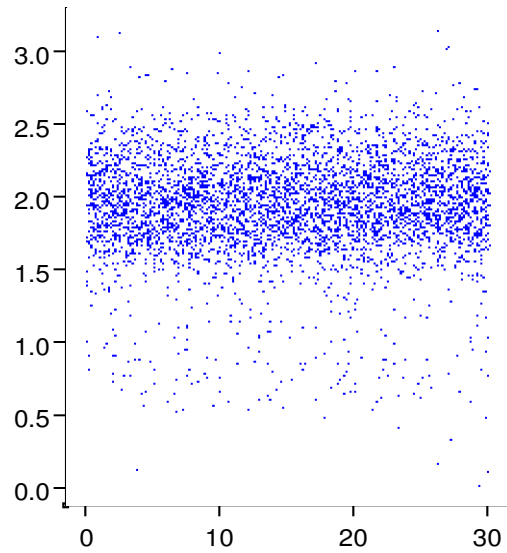
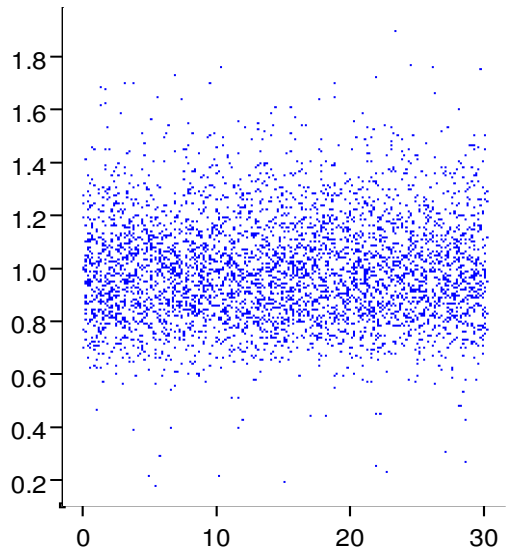
# Endcap problem

- A bug in the neighboring was discovered and fixed.
- The endcap plots (pages 10-15) should be replaced with the following plots.

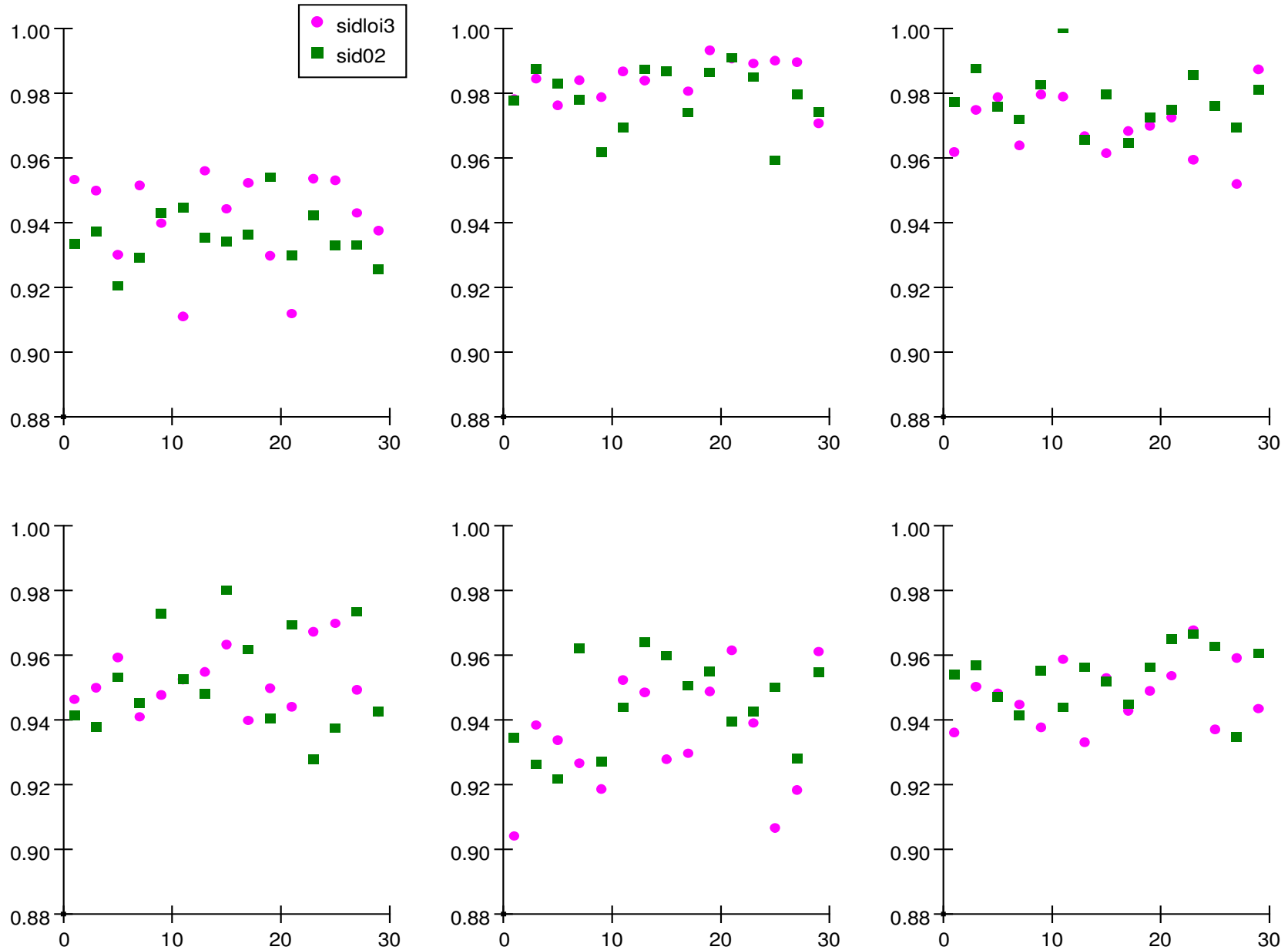
# Photons: Theta = 160. x axis = Reconstructed Energy(GeV)



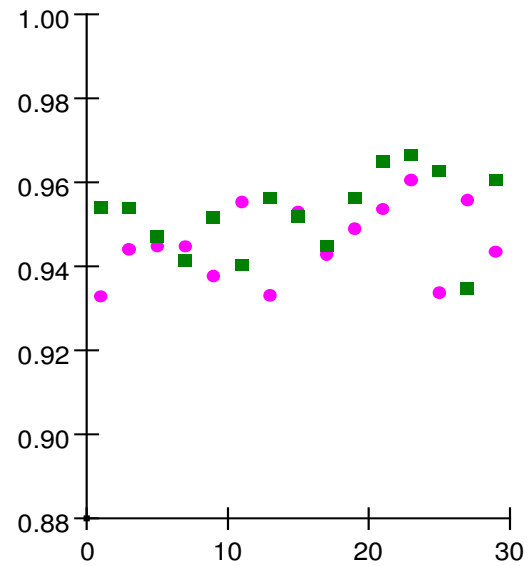
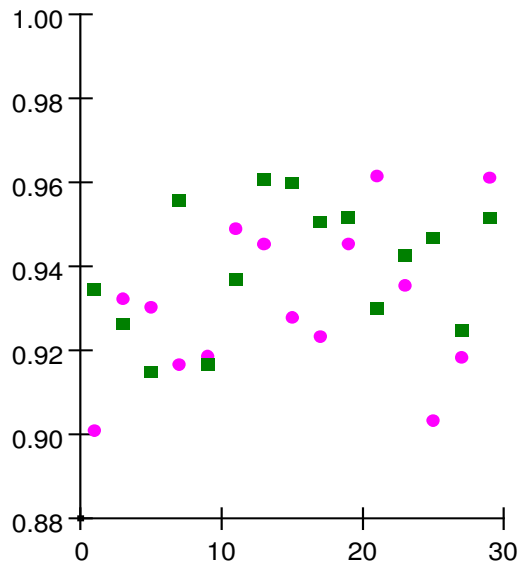
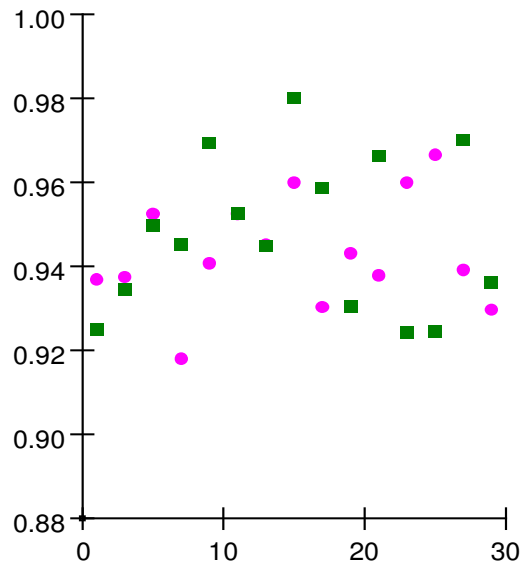
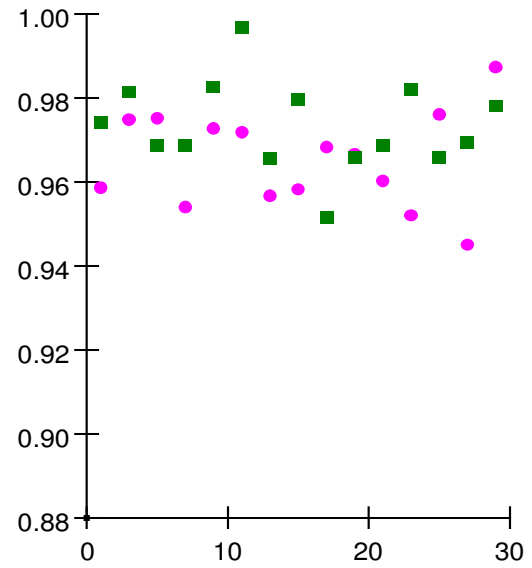
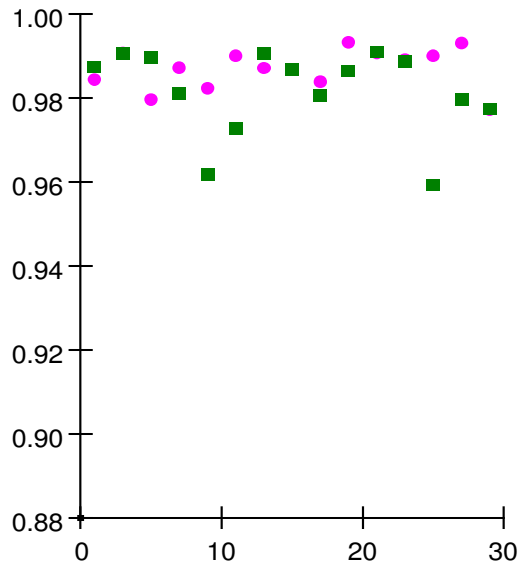
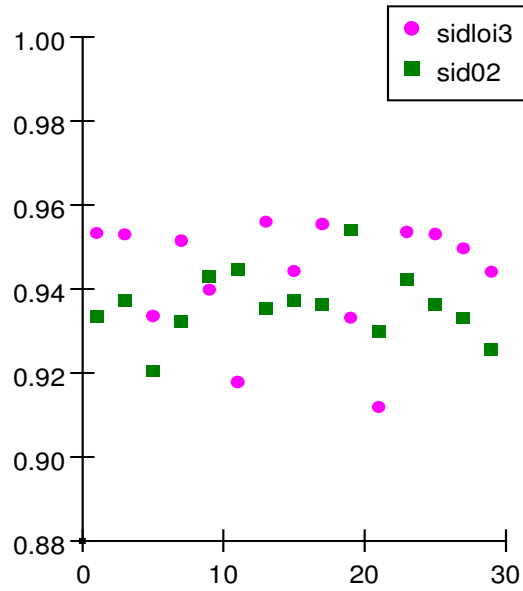
Photons: Theta = 160: x axis = phi, y axis =  
single photon reconstructed energy(GeV)



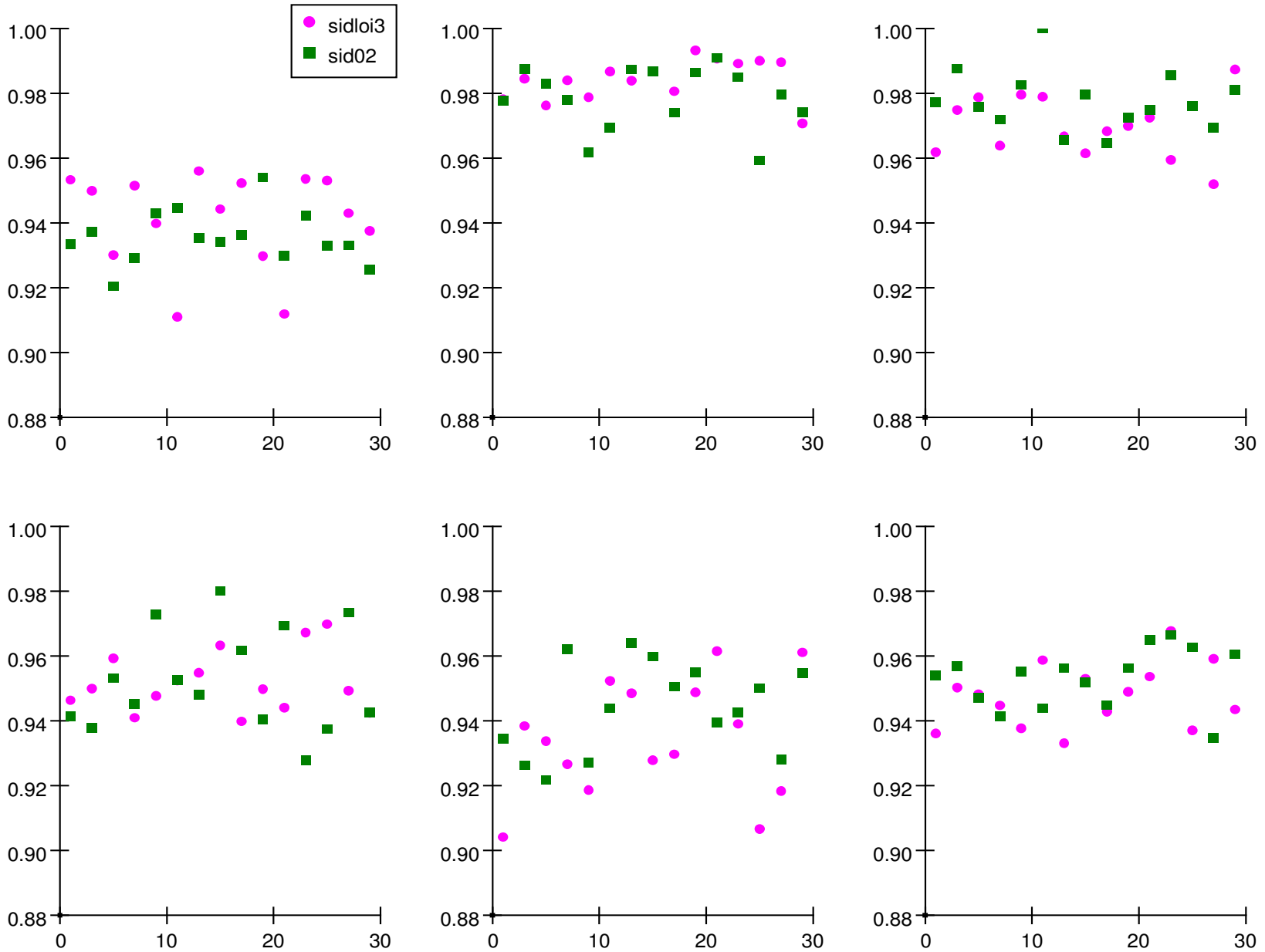
# Photons: Theta = 160: eff2 vs phi



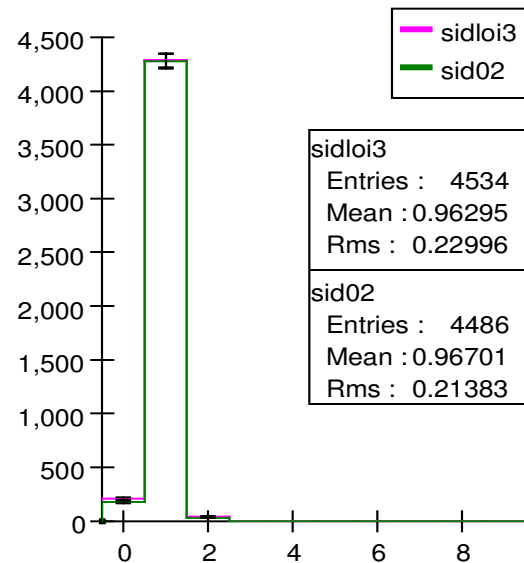
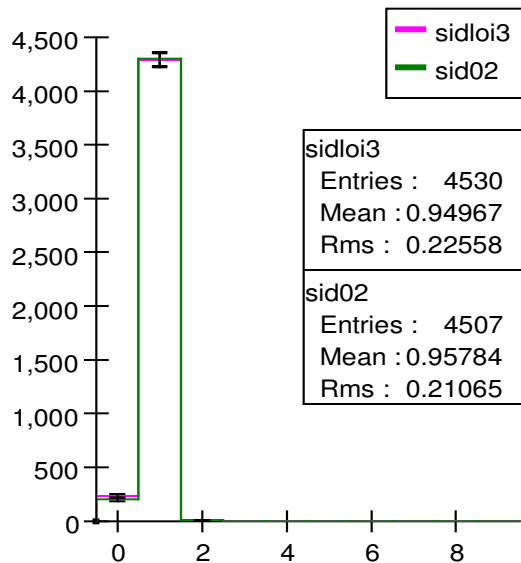
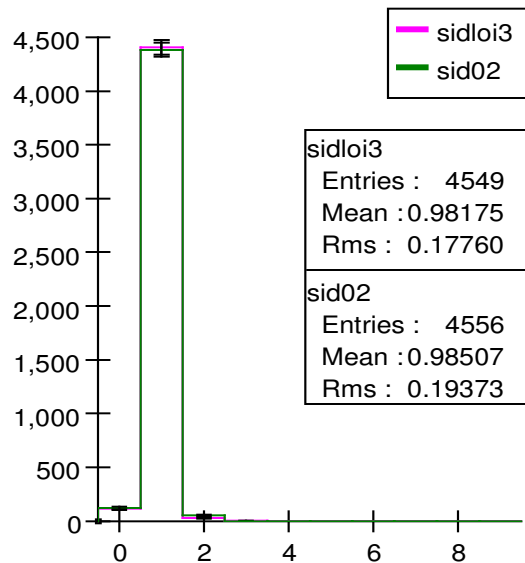
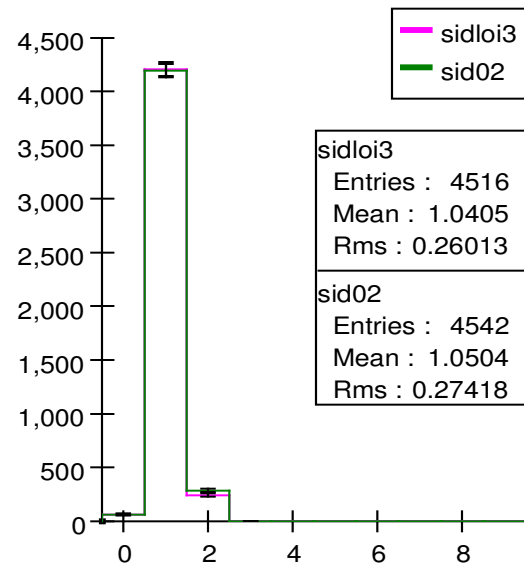
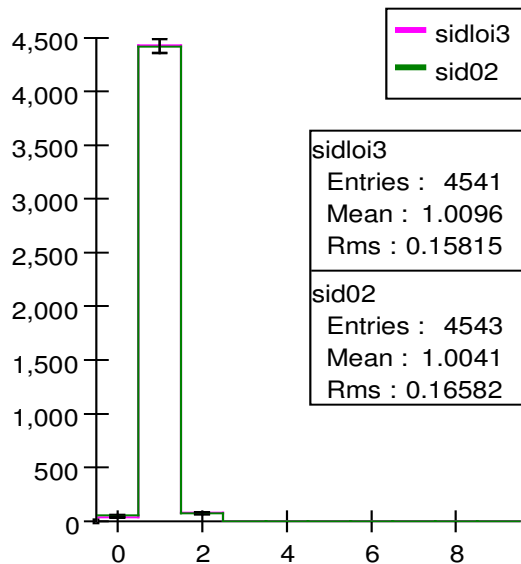
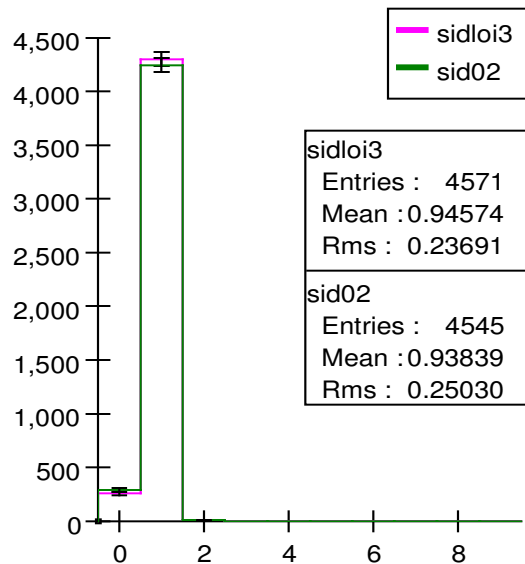
# Photons: Theta = 160: eff1 vs phi



# Photons: Theta = 160: eff0 vs phi



# Photons: Theta=160: # recon photons per event





# Conclusions

- No obvious difference in photon reconstruction between sidloi3 and sid02 in the endcaps.