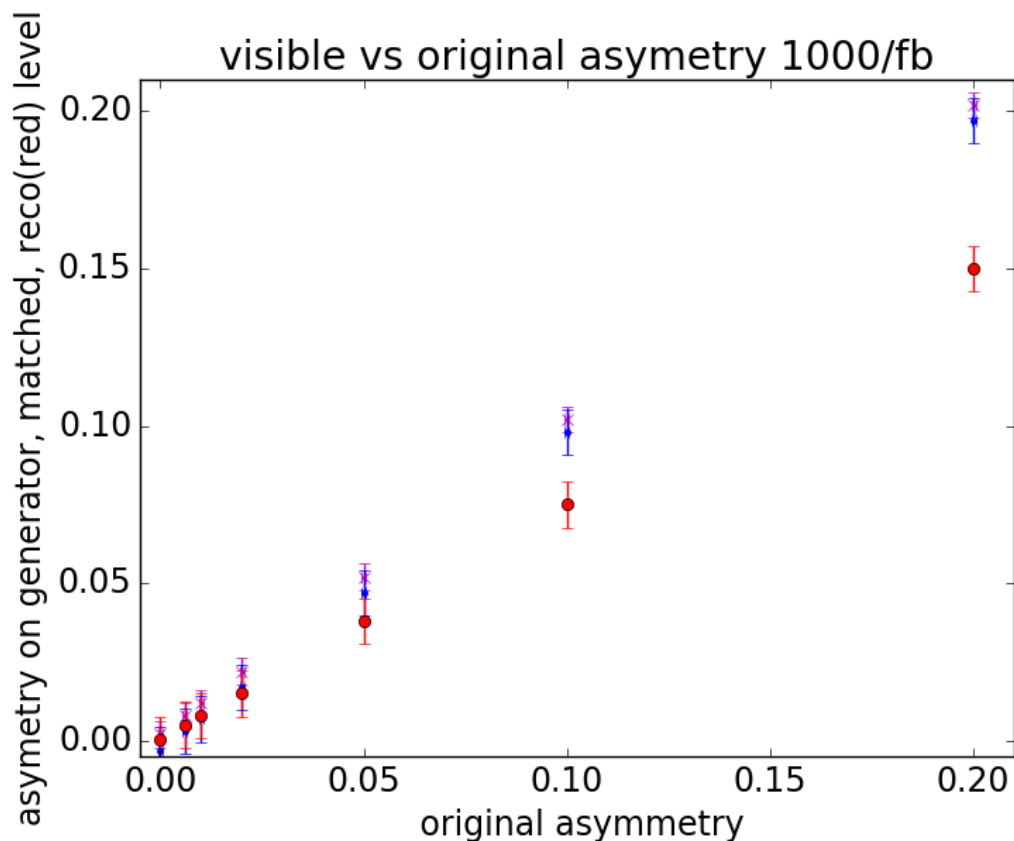
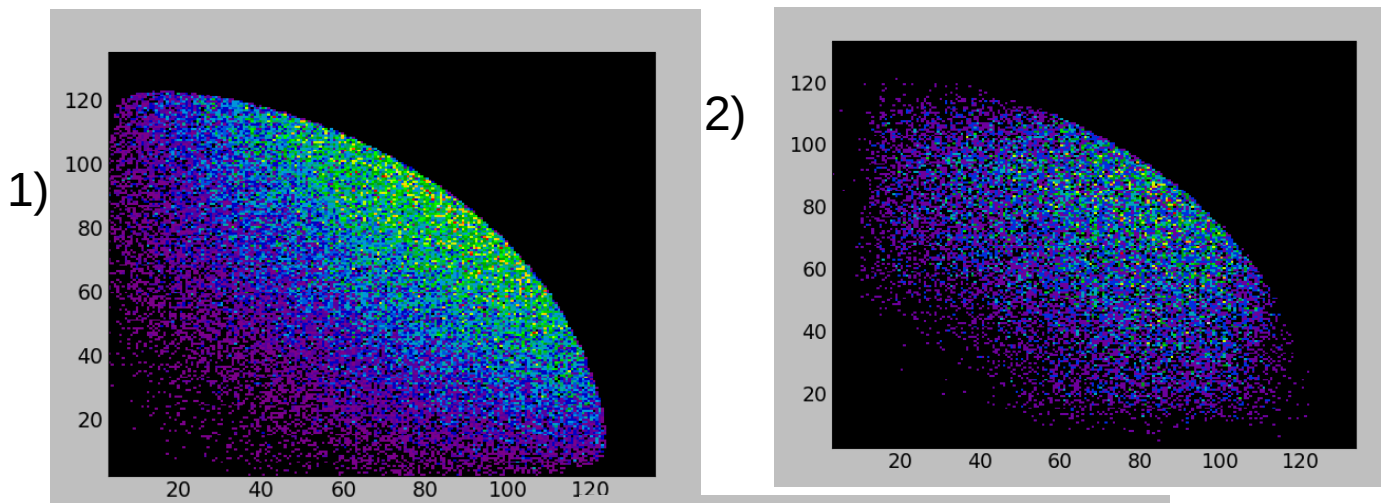


Visible vs true asymmetry, Nikolai's ntuple simple re-weighting



m tau- gamma vs m tau+ gamma on all 1) generated ,2) matched and 3) reconstructed events level (reconstructed masses used)



In 1)2) masses are calculated from true momenta, in 3) masses are calculated from reconstructed visible momenta, no correction for missing neutrinos.

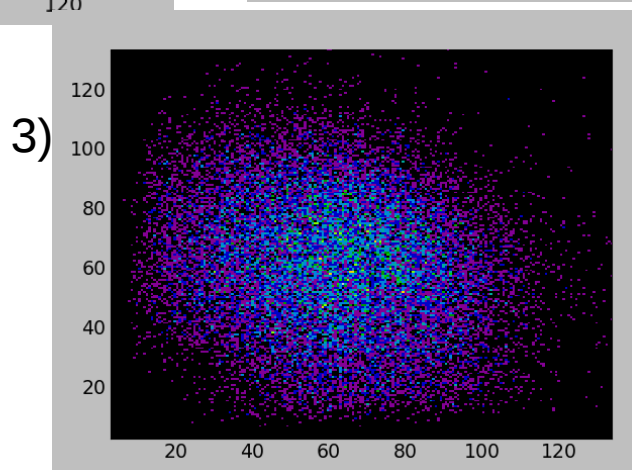
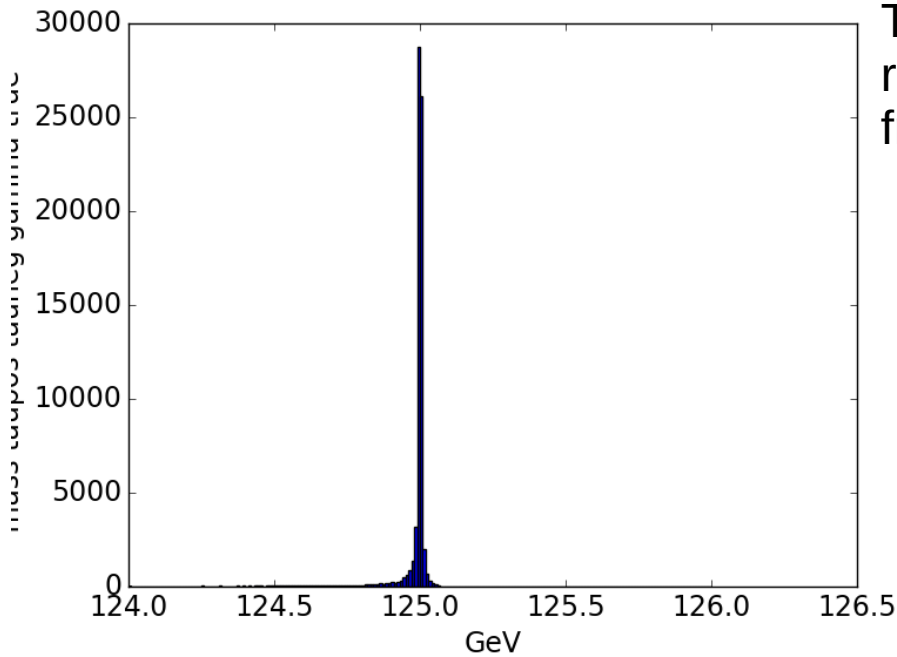
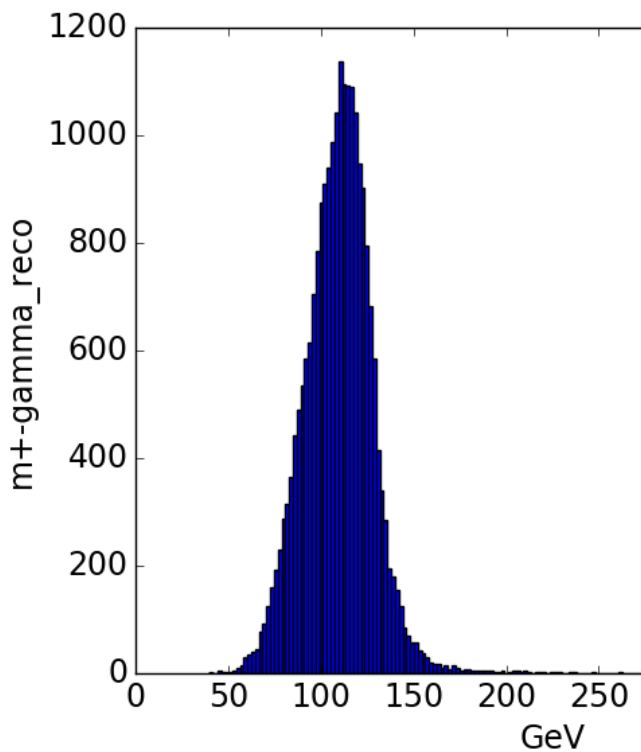


Illustration for $\tau^+ \tau^- \gamma$ mass.



The mass reconstructed from true momenta.



The mass reconstructed from measured momenta.

Observation, previous slide: without any mass reconstruction procedure we still recover some asymmetry but it is diluted compared to the “true” value. Here true means introduced with events weights as a function of true masses.