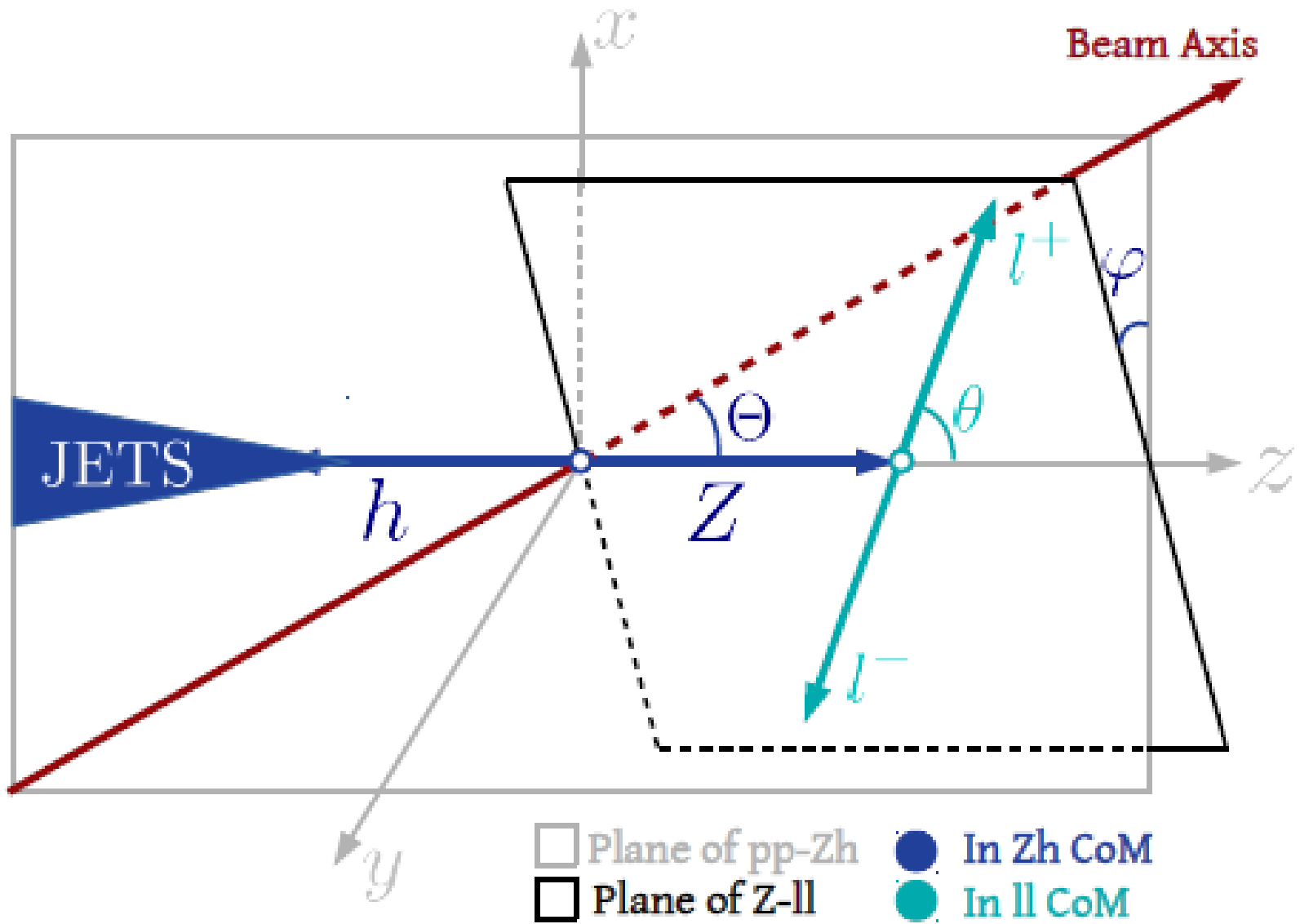


Recent status of HZZ EFT study

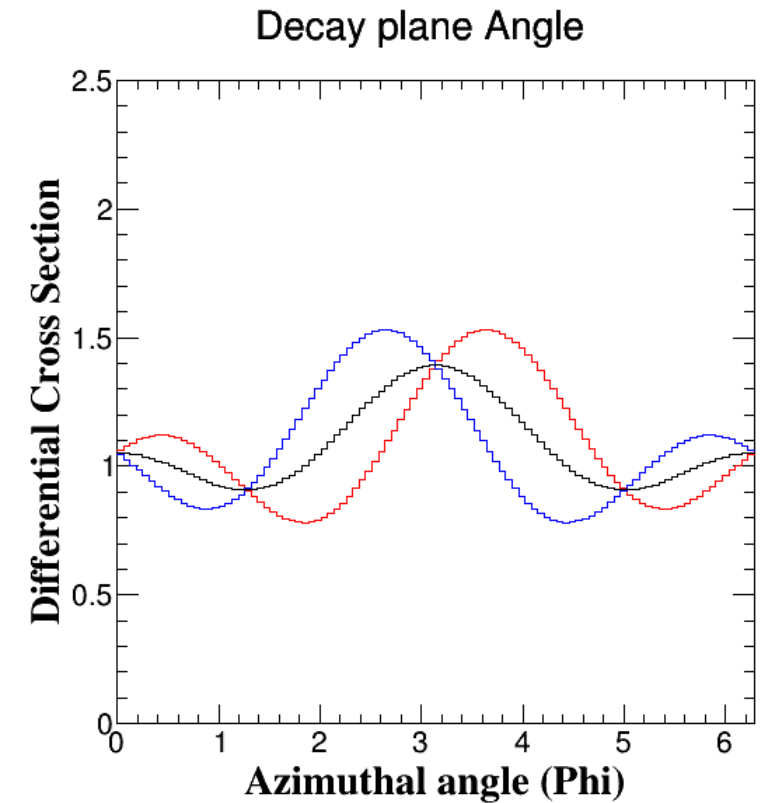
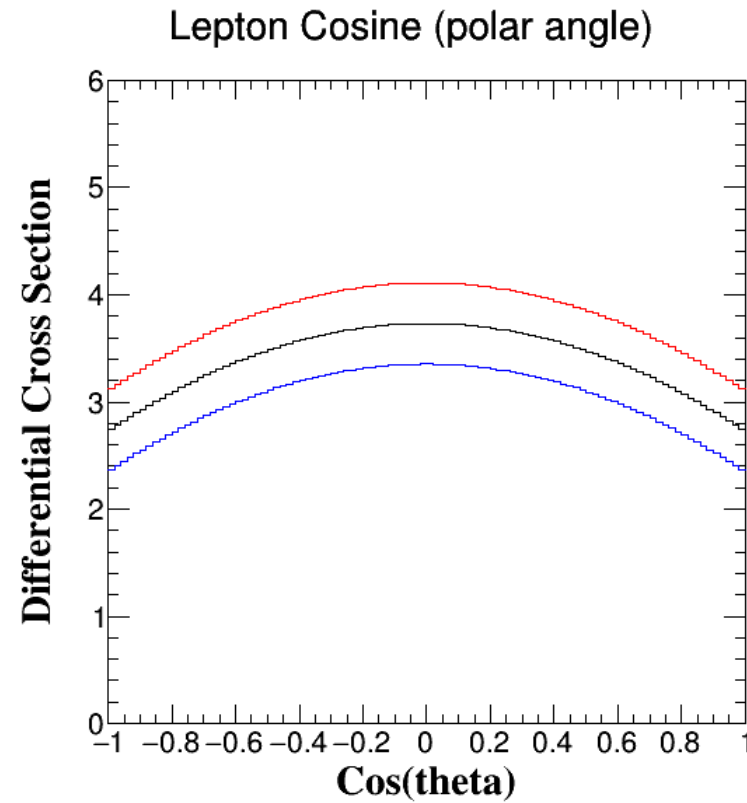
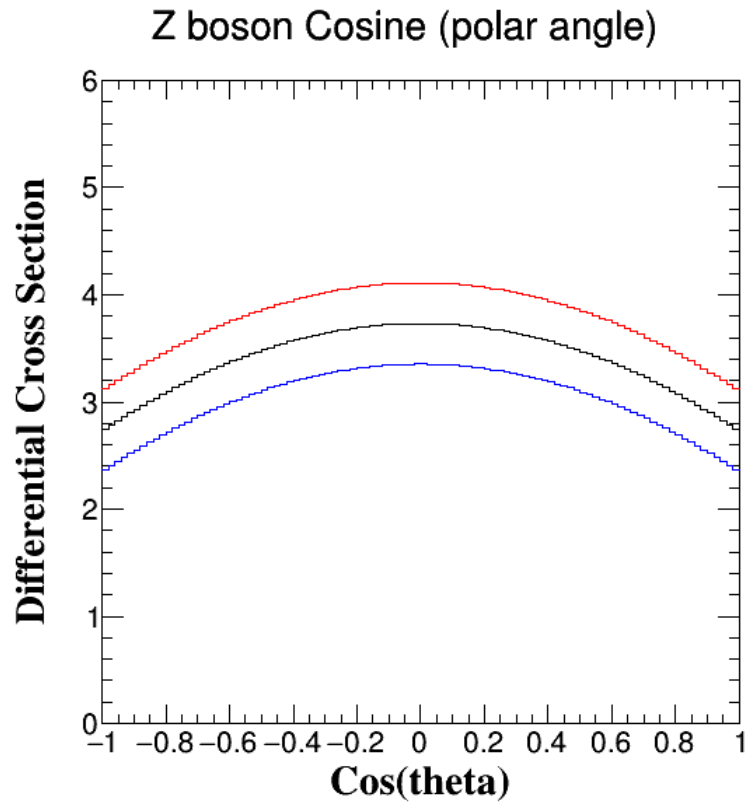
10/17/2019

From previous slide :



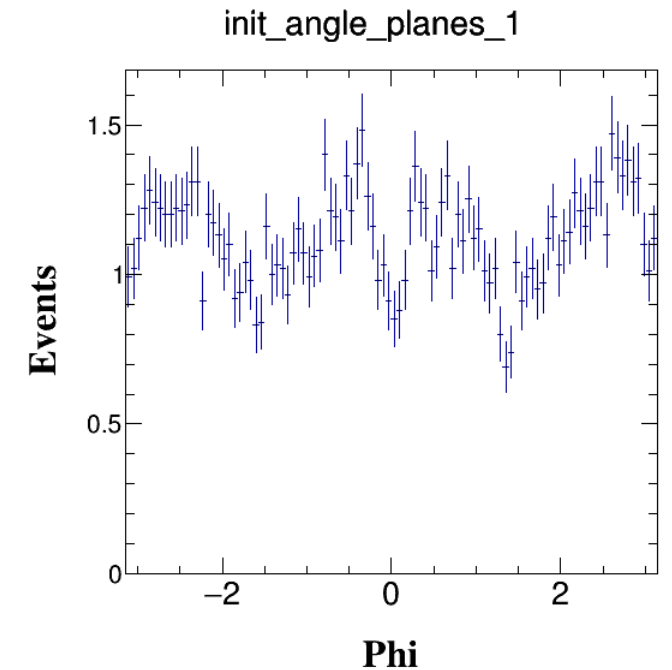
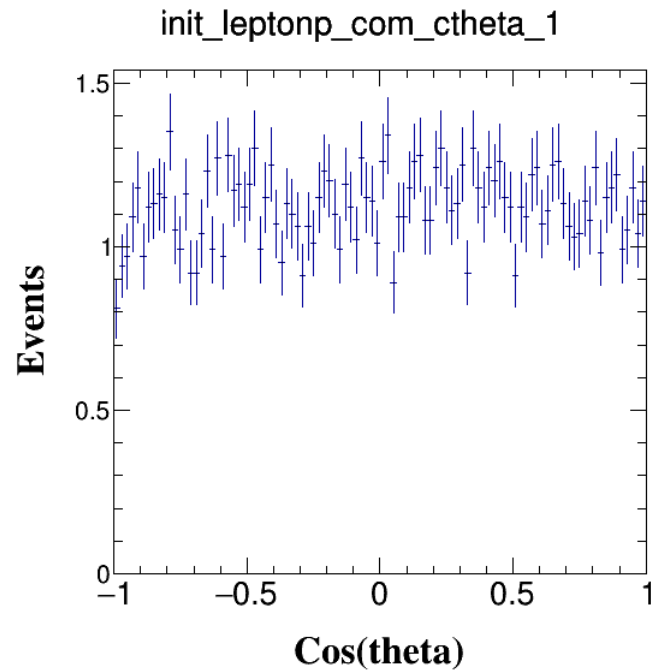
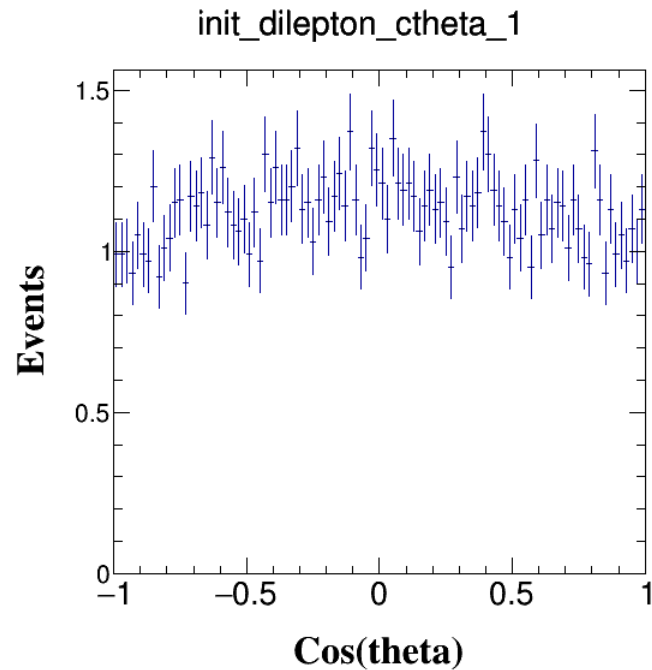
From previous slide :

black line : SM
Red/Blue : BSM



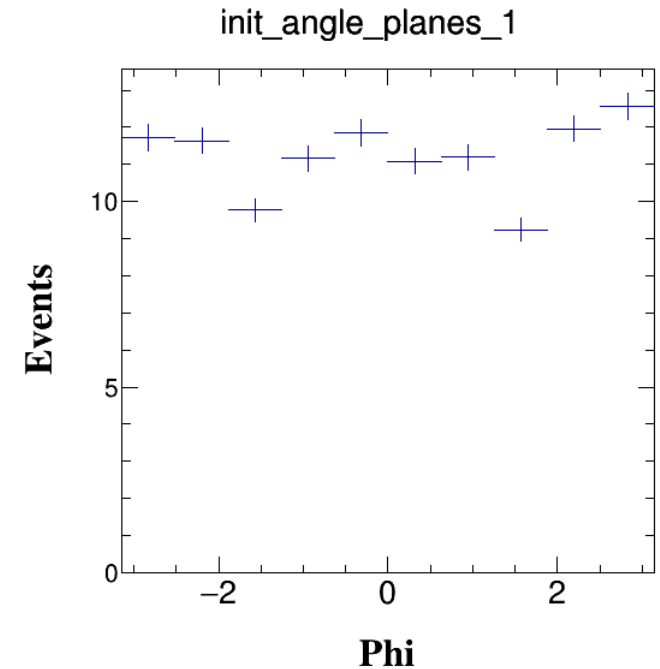
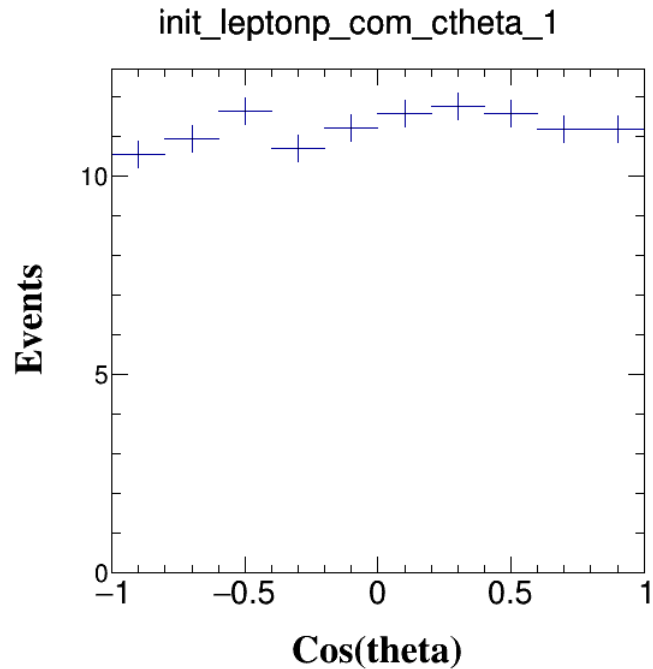
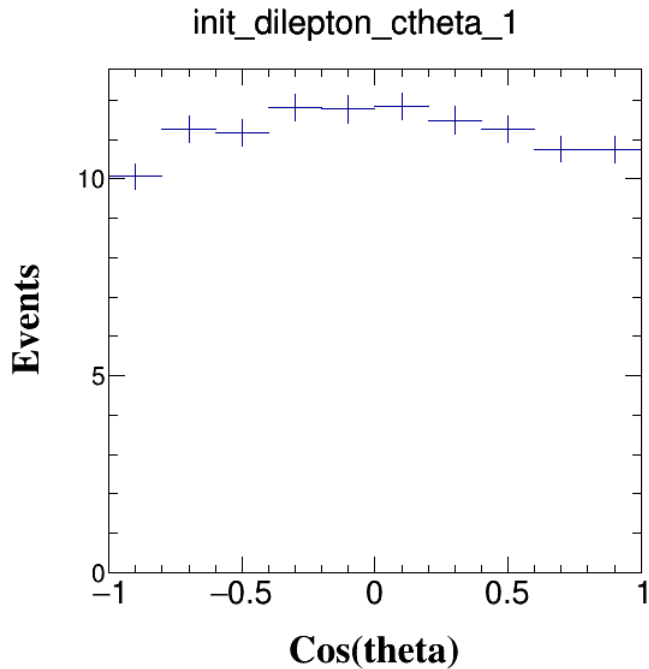
The total cross section is normalized with the value what we used. That's would be one of further investigation

Case : $ee \rightarrow Z^* \rightarrow ZH$ vertex :
using, $Z \rightarrow \mu\mu$, $H \rightarrow ZZ^* \rightarrow \nu\nu qq$



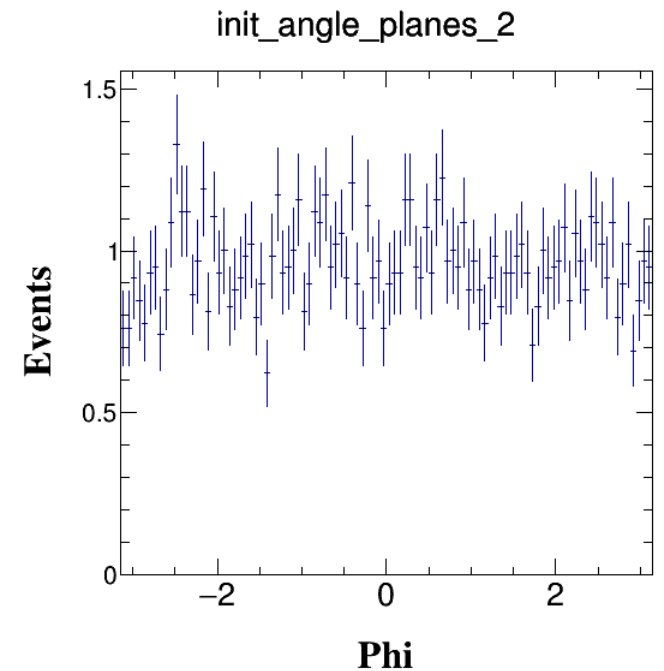
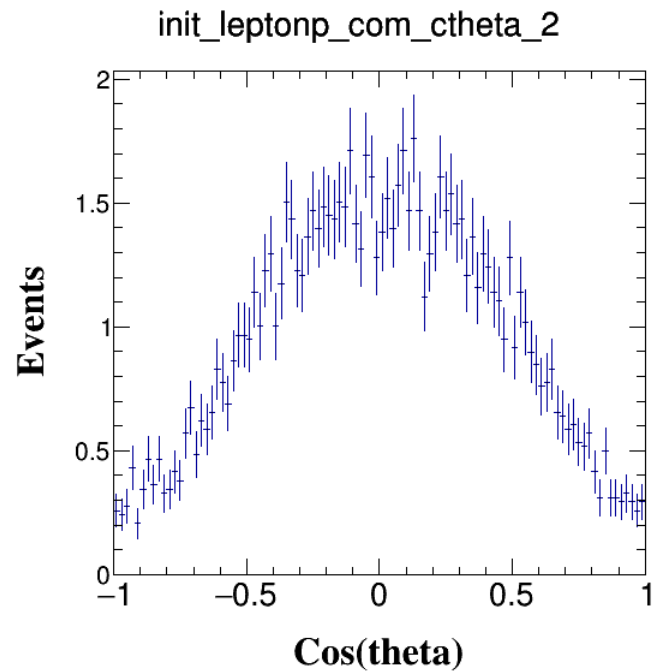
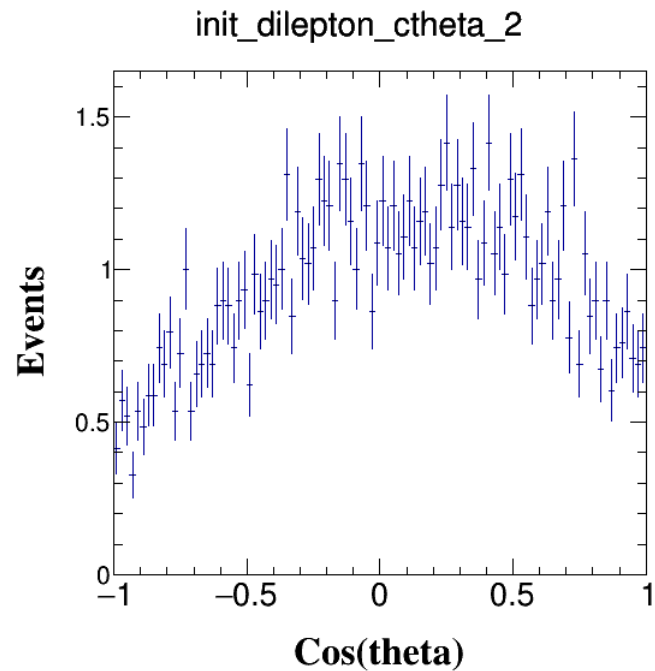
Nbin = 100, at preselection stage \rightarrow statistics would be 60%

Case : $ee \rightarrow Z^* \rightarrow ZH$ vertex :
using, $Z \rightarrow \mu\mu$, $H \rightarrow ZZ^* \rightarrow \nu\nu qq$



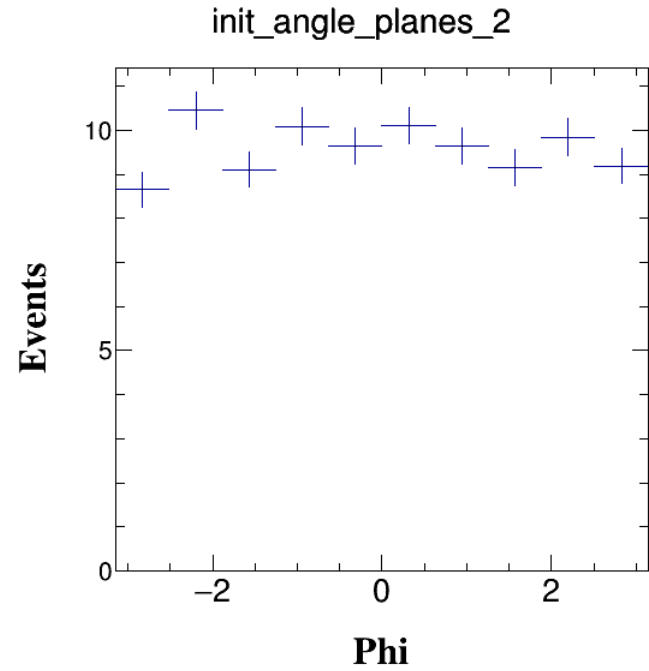
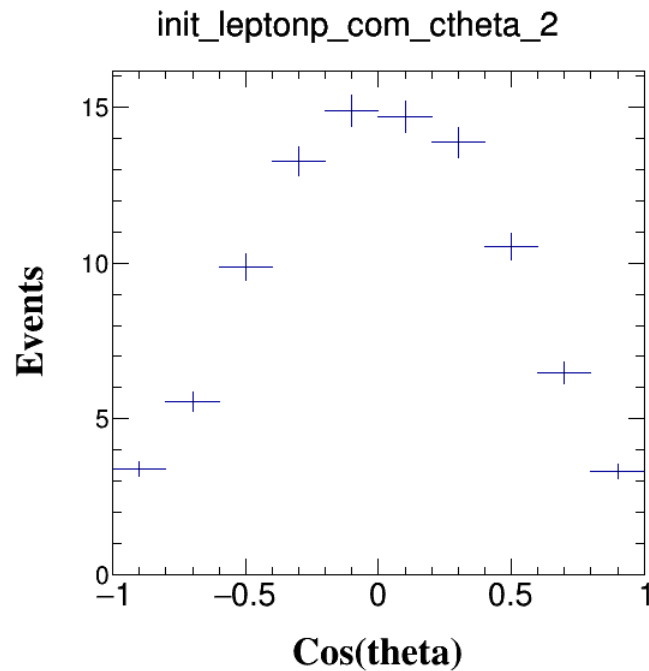
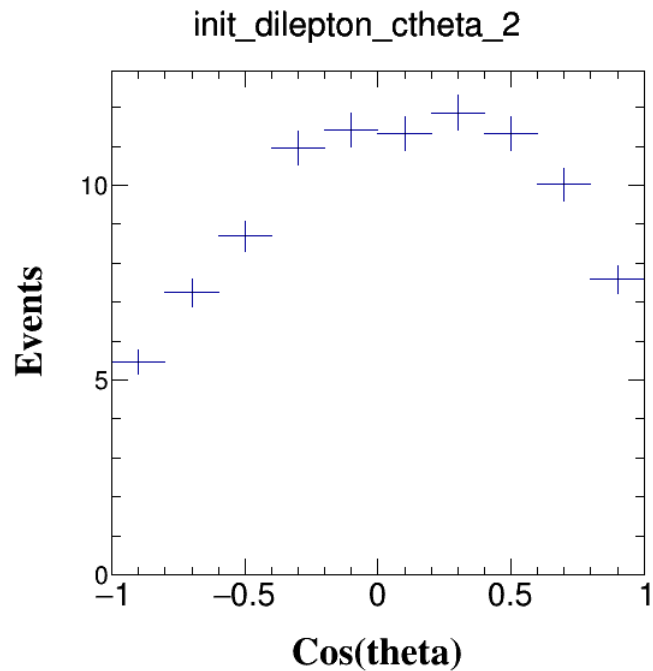
Nbin = 10, at preselection stage \rightarrow statistics would be 60%

Case : $H \rightarrow ZZ^*$ vertex :
using, $H \rightarrow ZZ^* \rightarrow \mu\mu qq$



Nbin = 100, at preselection stage \rightarrow statistics would be 60%

Case : $H \rightarrow ZZ^*$ vertex :
using, $H \rightarrow ZZ^* \rightarrow \mu\mu qq$



Nbin = 10, at preselection stage -> statistics would be 60%