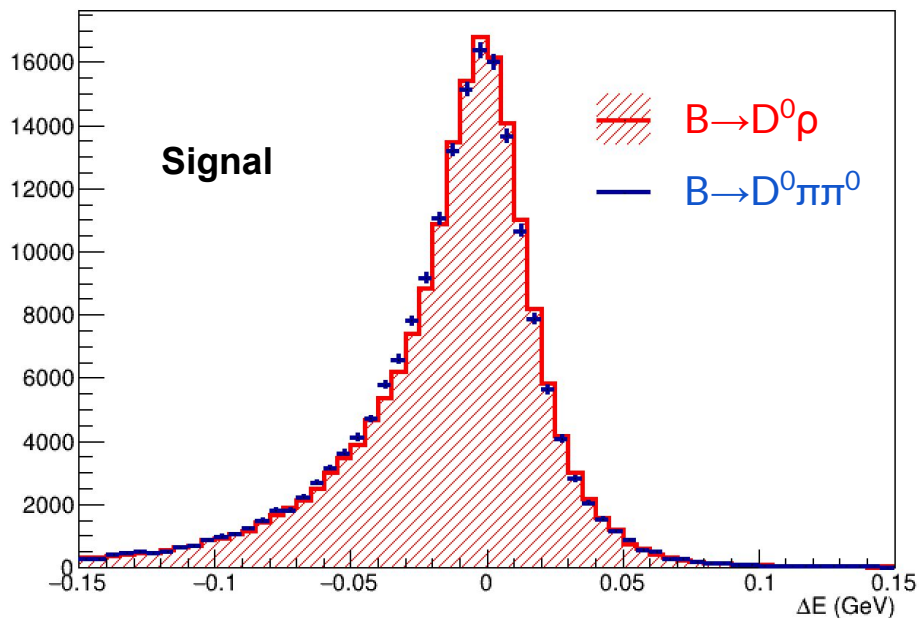
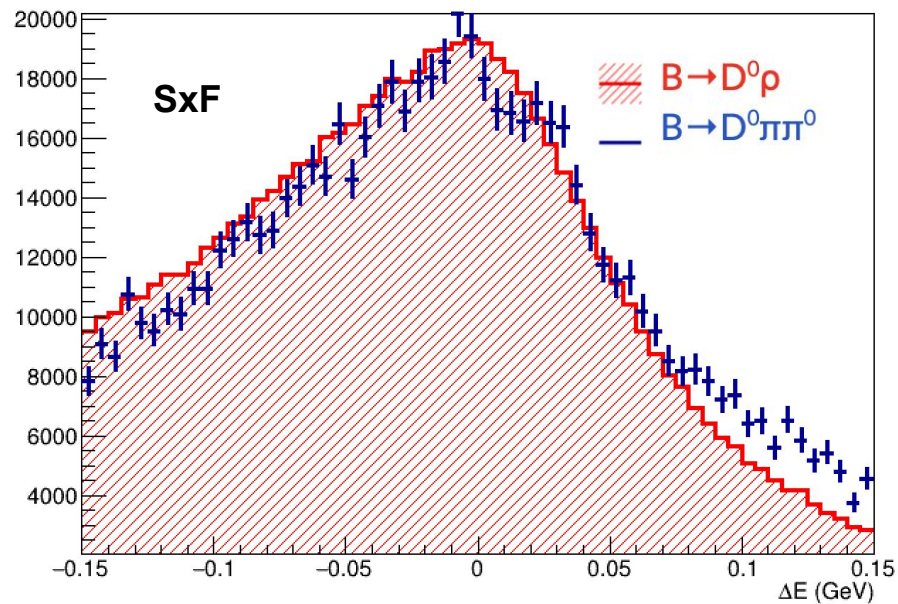


Comparison of resonant and NR signal MC15 2M events reconstructed in correspondent channels

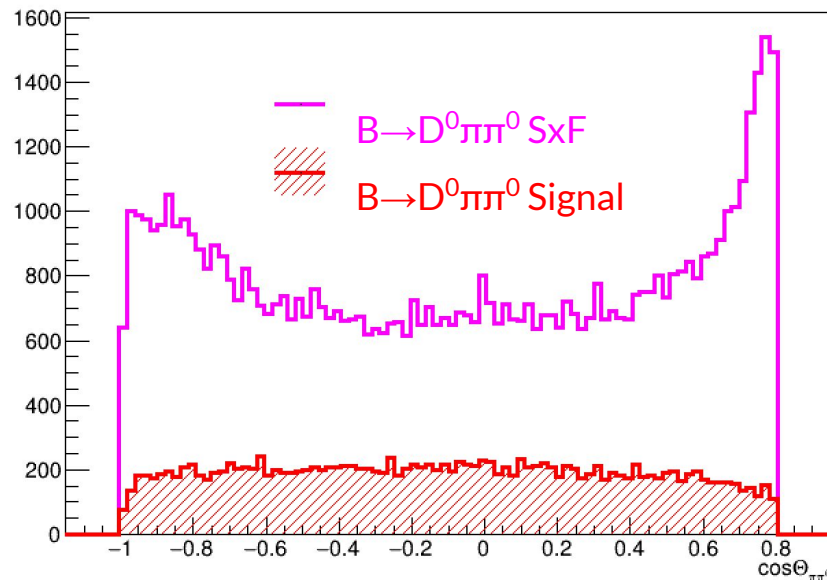
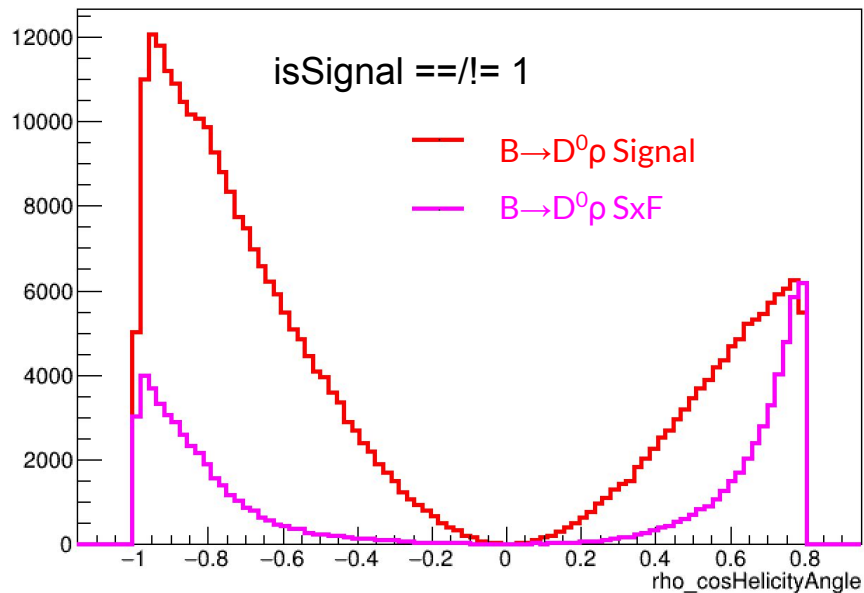


isSignal == 1 for both since they are constructed in their own channels



isSignal != 1 for both

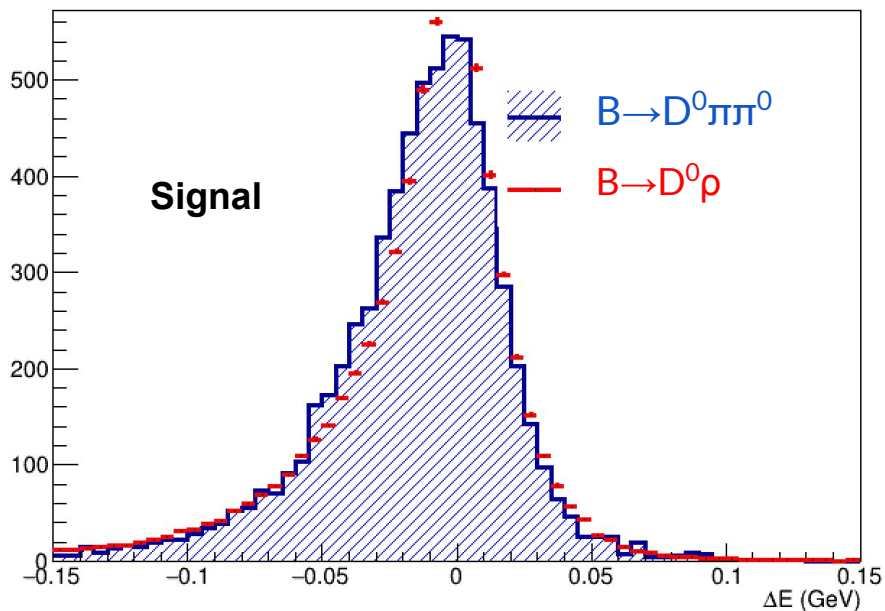
Signal MC for $D^0\rho$ and $D^0\pi\pi^0$ after full selection reconstructed in $D^0\rho$ channel



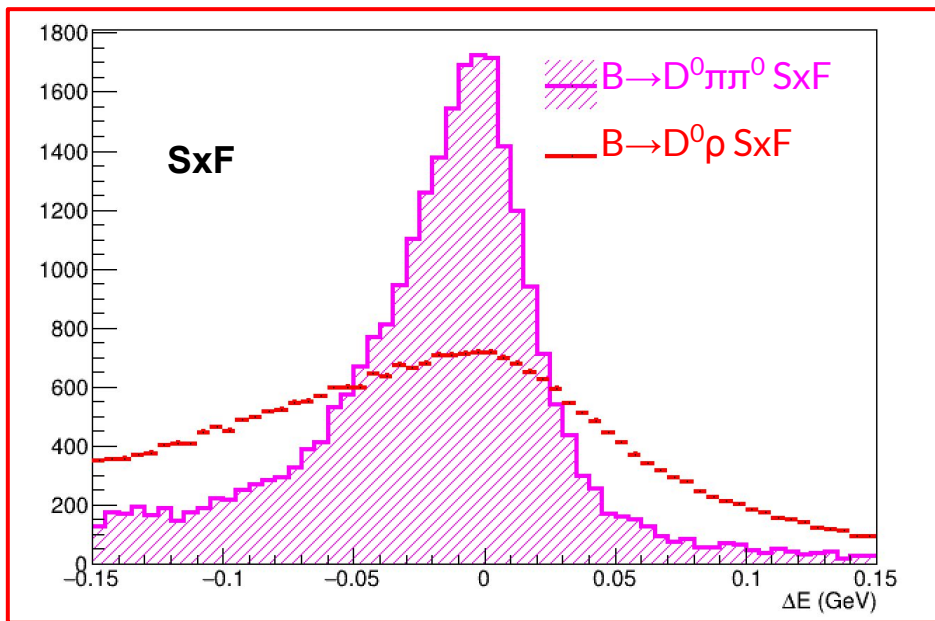
For $D^0\pi\pi^0$ reconstructed in $D^0\rho$ channel i defined a flag isSignal_D0pi0, it's == 1 if:

$D^0_{\text{isSignal}}, \rho_{\text{pi_isSignal}}, \rho_{\text{pi0_isSignal}} == 1$
and genMotherPDG for $\pi^+/\pi^0 == 521$ (B^+)
 and isSignal_D0pi0 != 1 for SxF

Comparison of resonant and NR signal MC15 2M events reconstructed in $D^0\rho$ channel

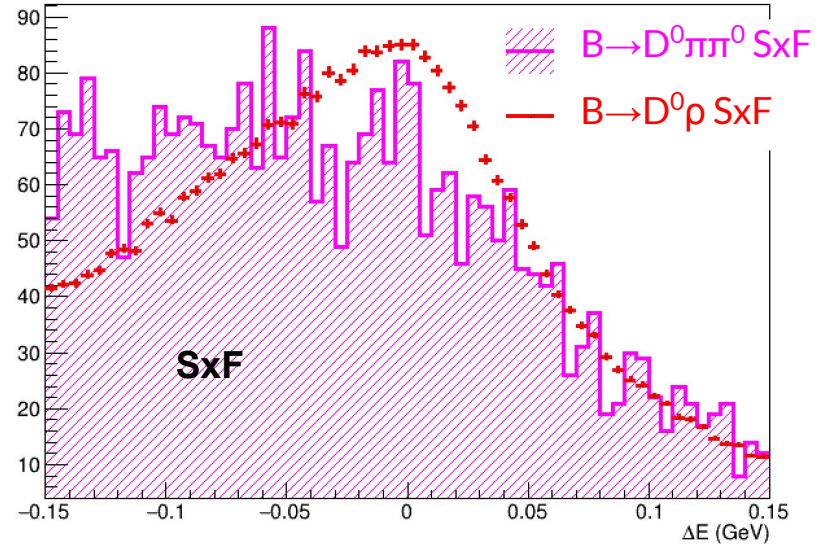
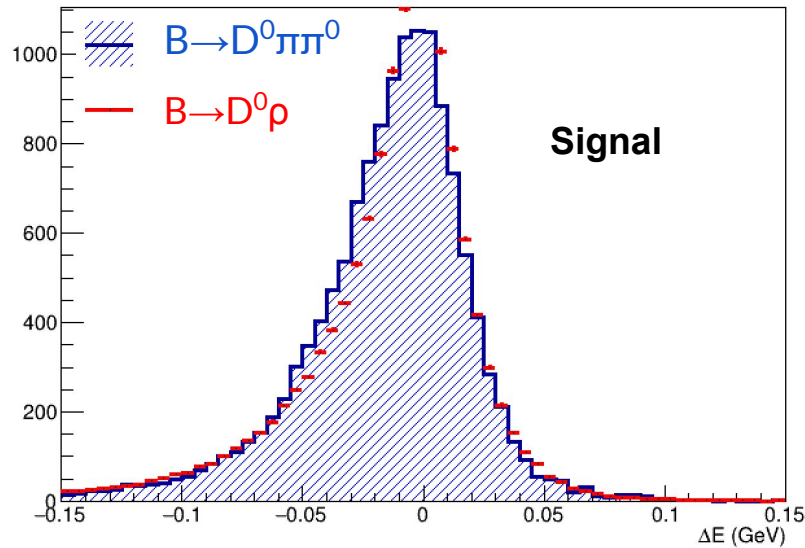


isSignal == 1 for D0rho
isSignal_D0pipi0 ==1 for D0pipi0

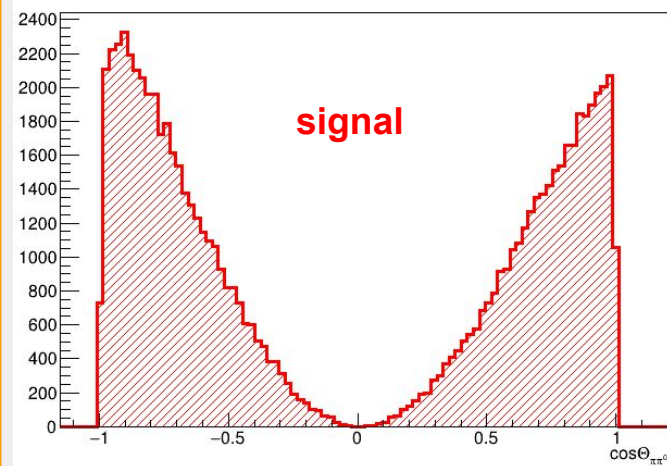
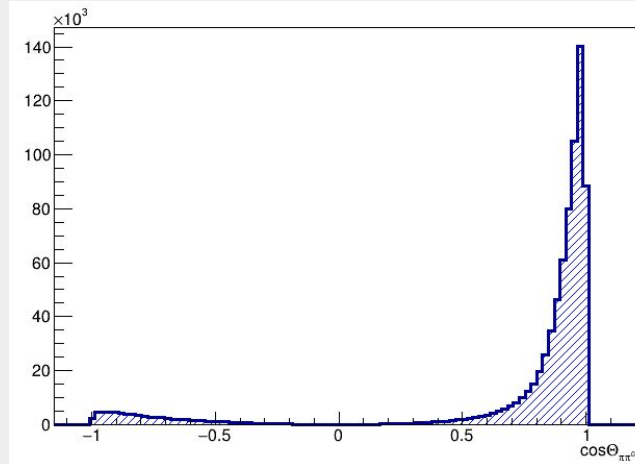
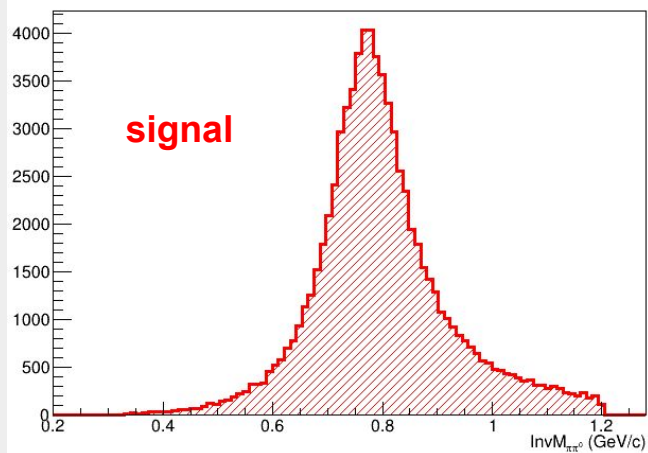
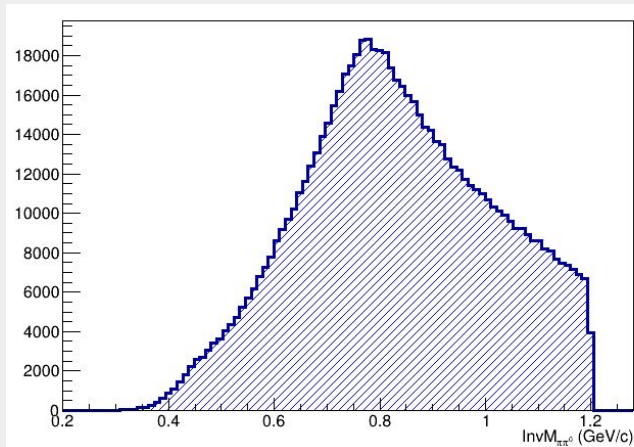


isSignal != 1 for D0rho
isSignal_D0pipi0 !=1 for D0pipi0

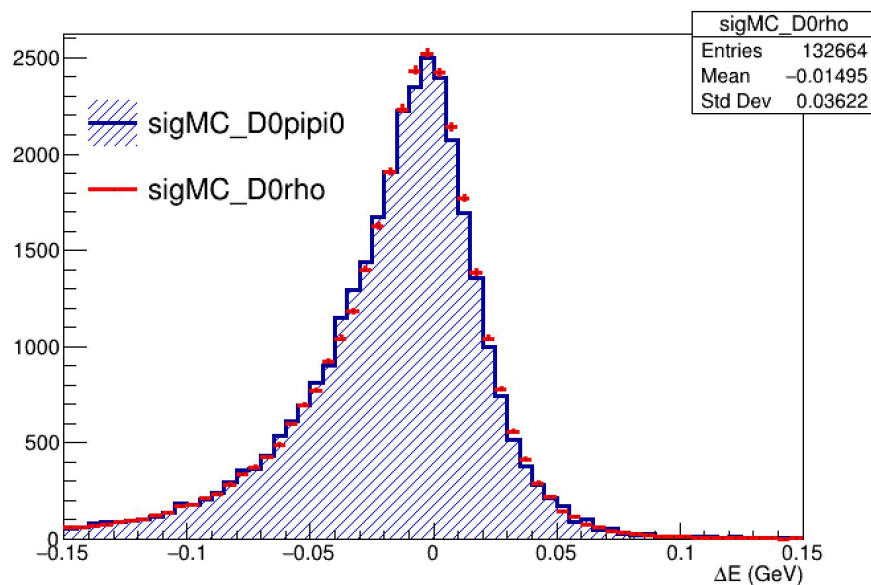
Comparison of resonant and NR signal MC15 2M events reconstructed in $D^0\rho$ channel



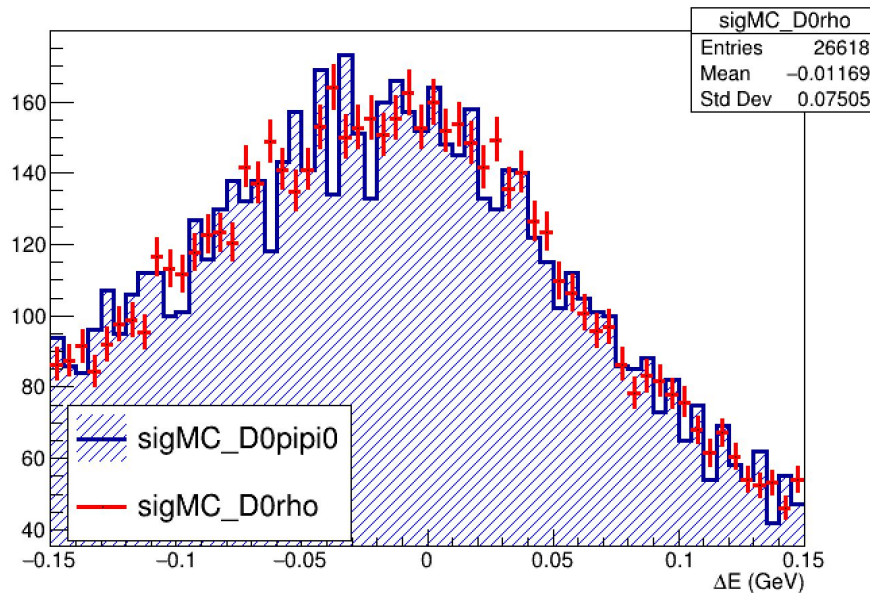
Added variables



Comparison of resonant and NR signal MC15 2M events reconstructed in correspondent channels after full selection



$D^0\rho$: signal / sxf = 4.98



$D^0\pi\pi^0$: signal / sxf = 4.82