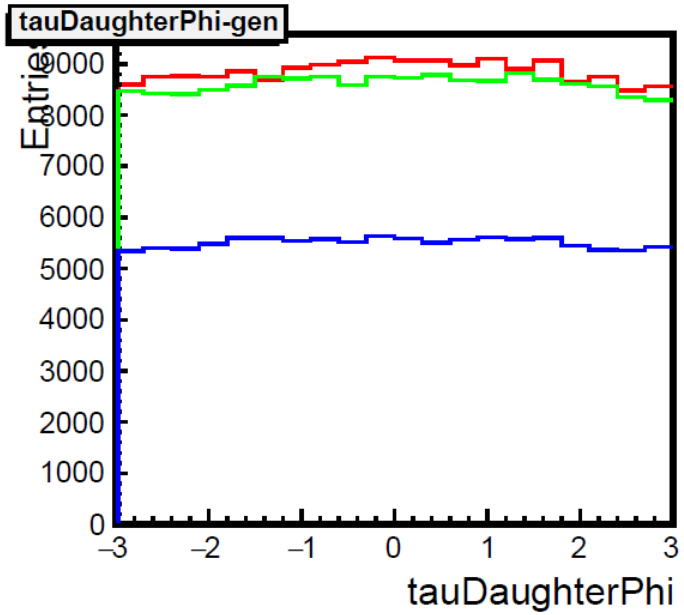
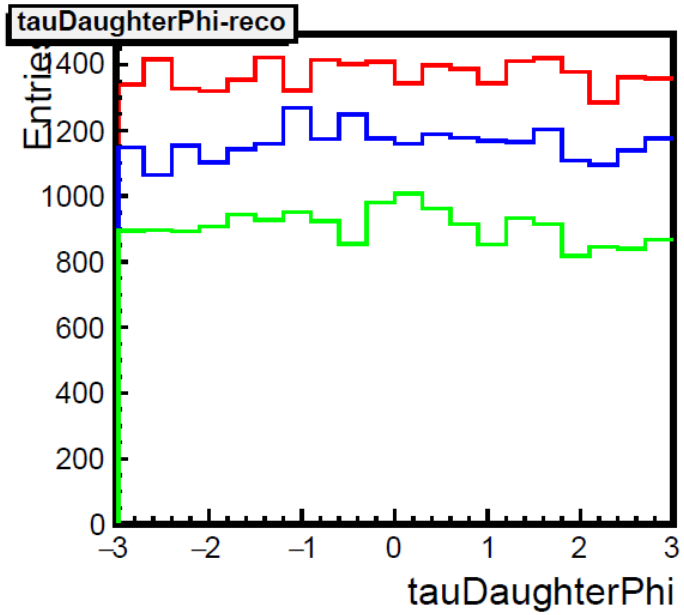
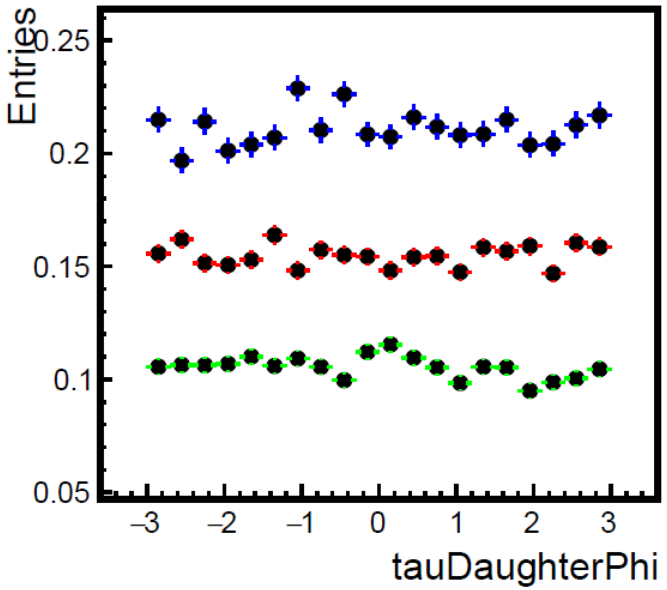
Study of $B \to \bar{D}^{(*)}\tau^+\nu_\tau$ at Belle

Kraków Belle II Meeting
Mateusz Kaleta
26/01/2023

1D Efficiency plots: geometric acceptance, τ decays



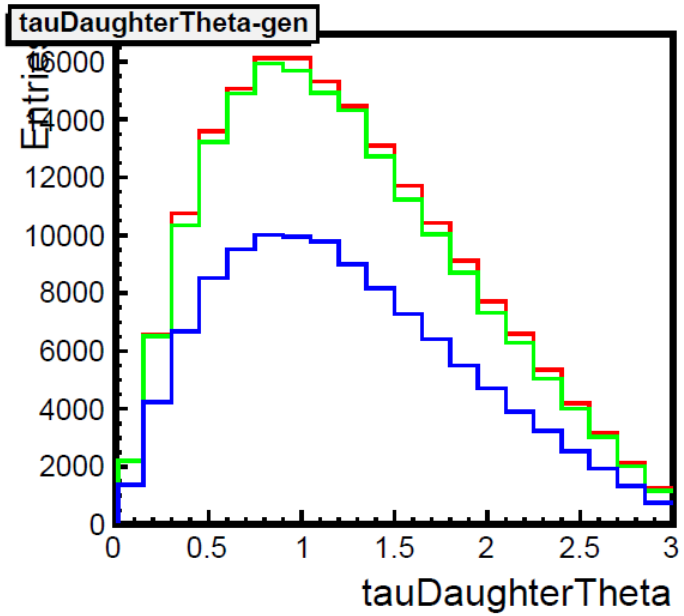


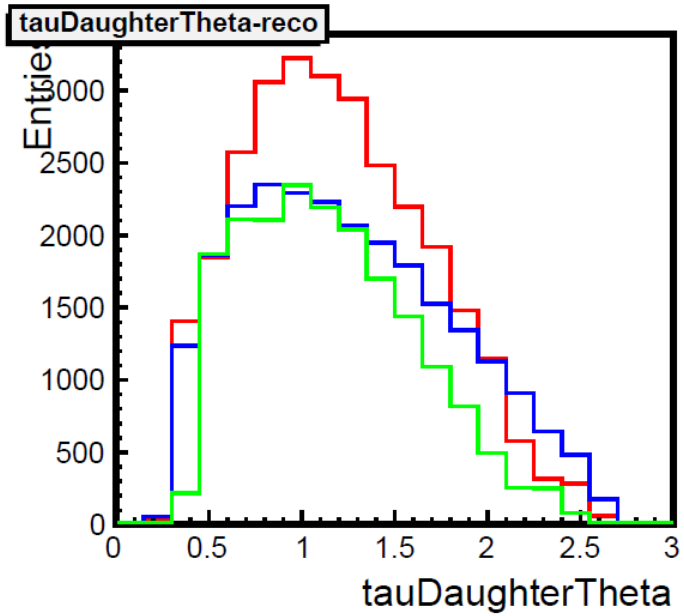


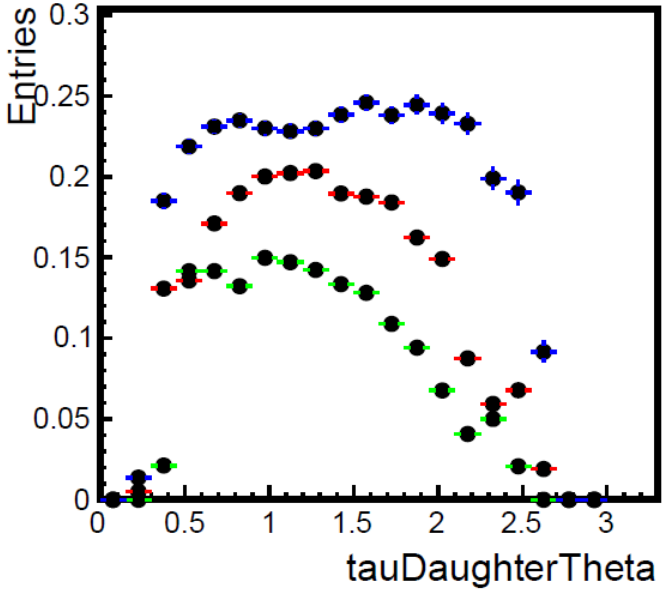
τ -> evv

τ -> μvv

τ -> πv

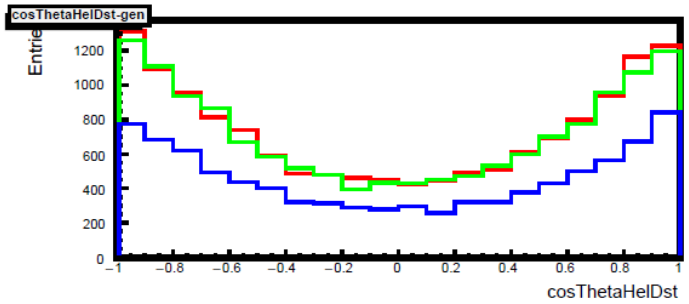


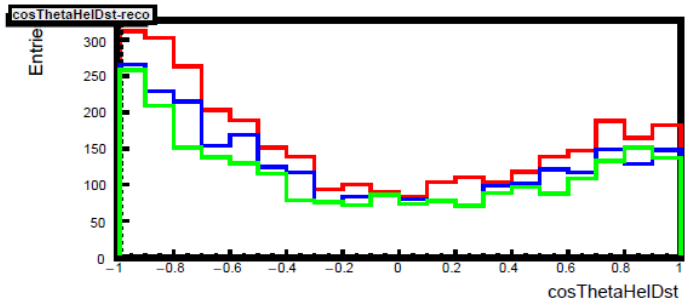


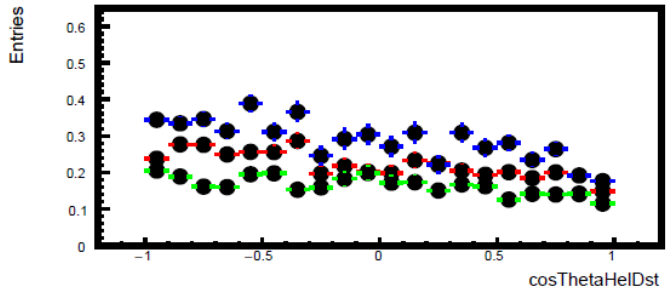


II 2D Efficiency plots: cosTheta(D*) vs. q2, τ decays

q2 = [-1,-0.5]





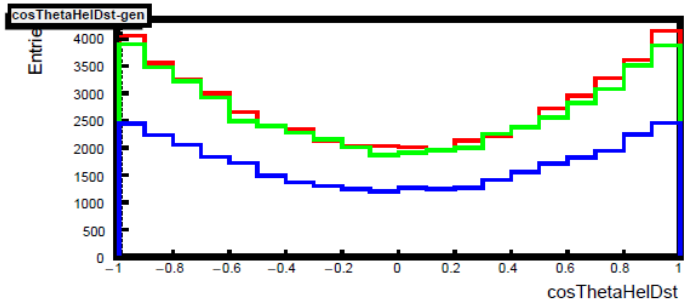


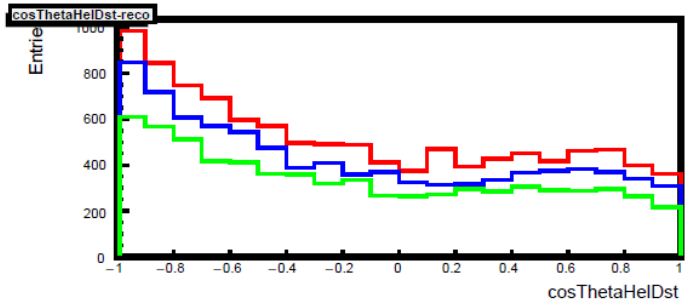
τ -> evν

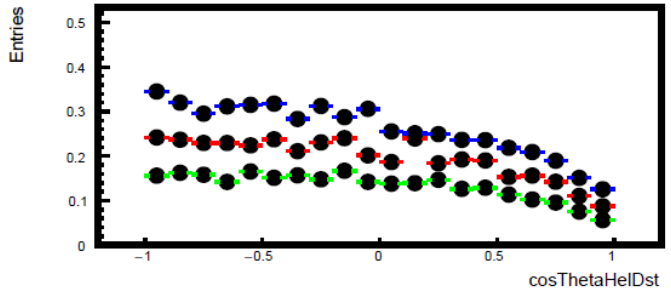
τ -> μνν

τ -> πν

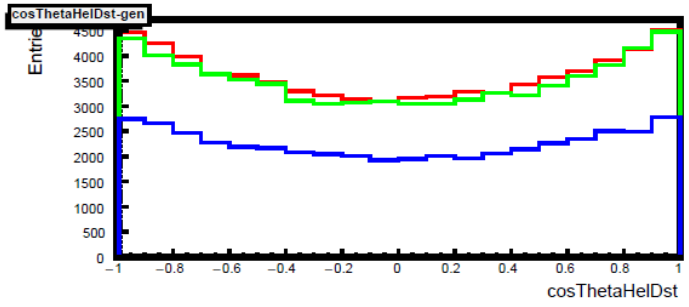
q2 = [-0.5,0]

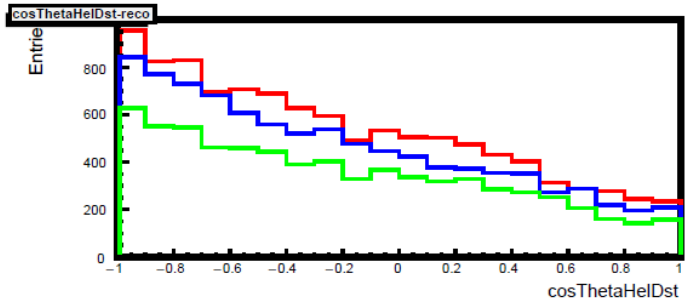


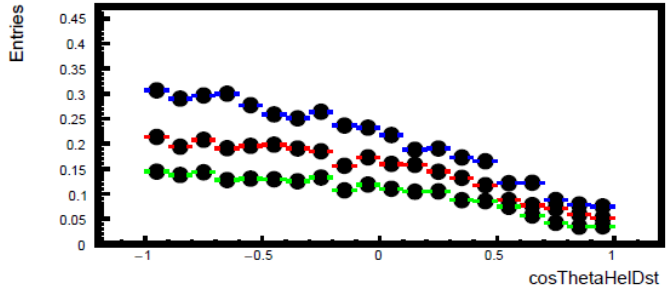




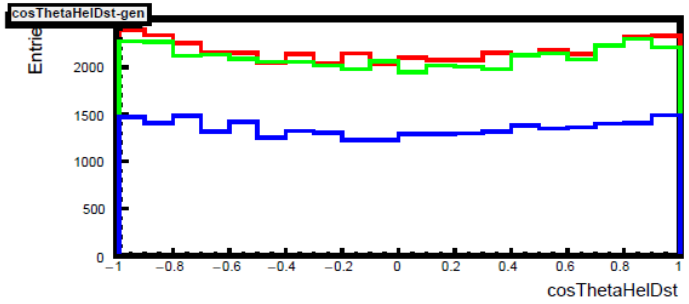
q2 = [0,0.5]

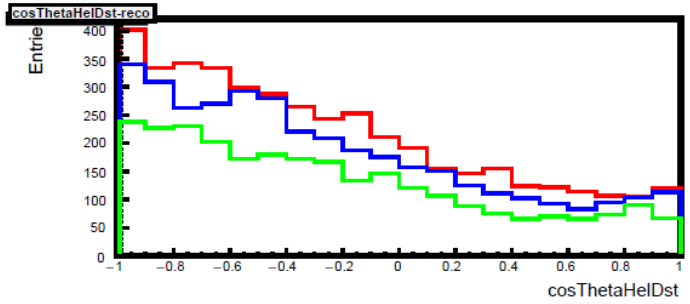


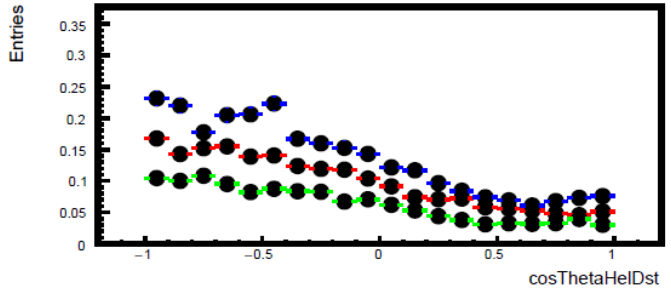




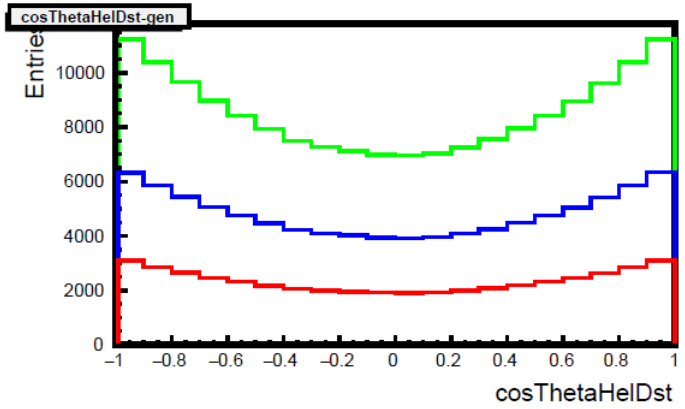
q2 = [0.5,1]

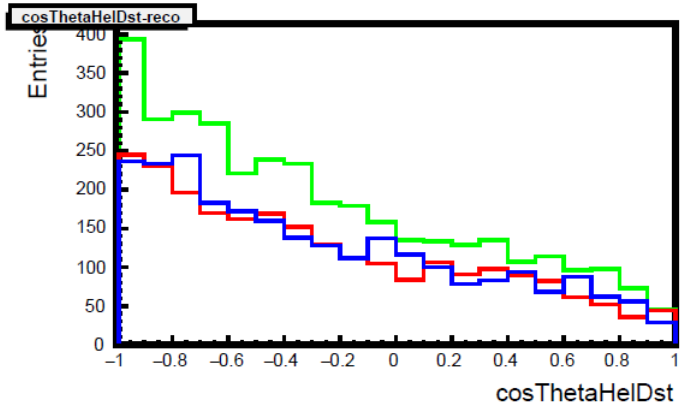


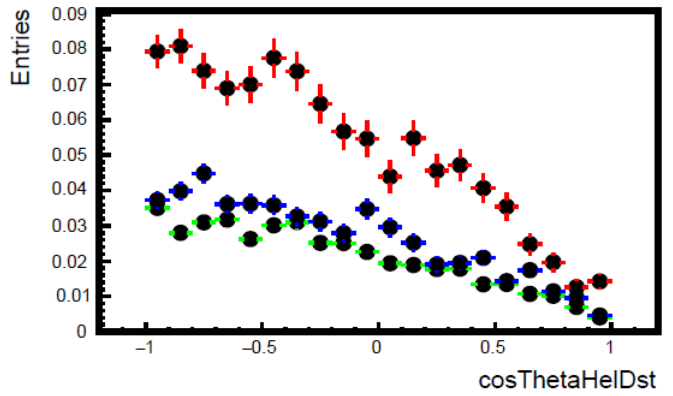




III 1D Efficiency plots: τ -> evv



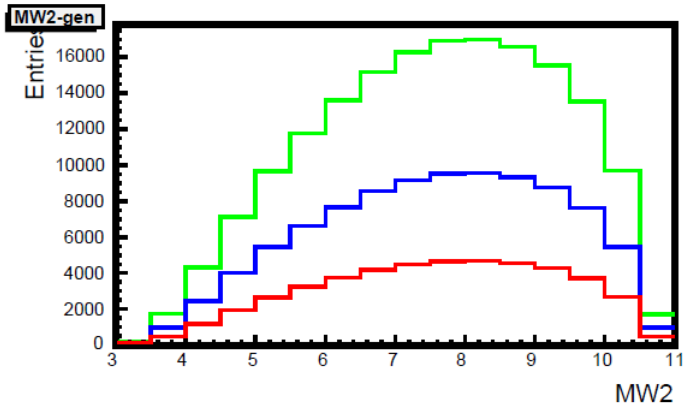


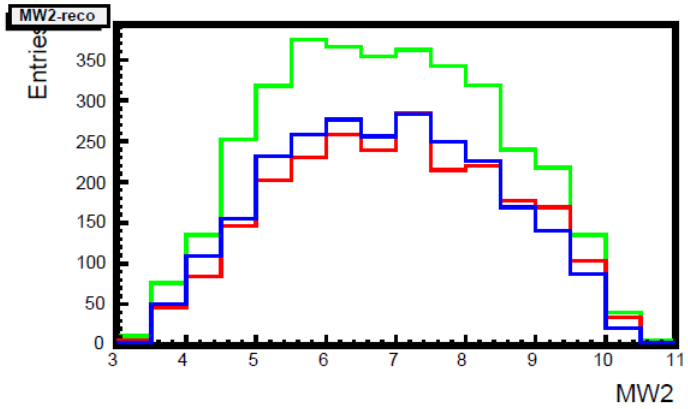


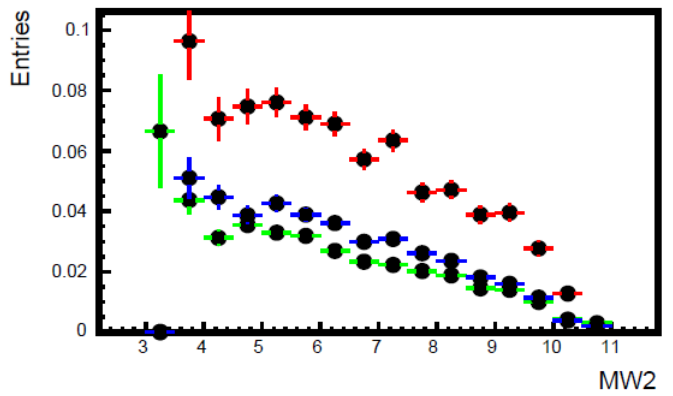
D -> Kπ

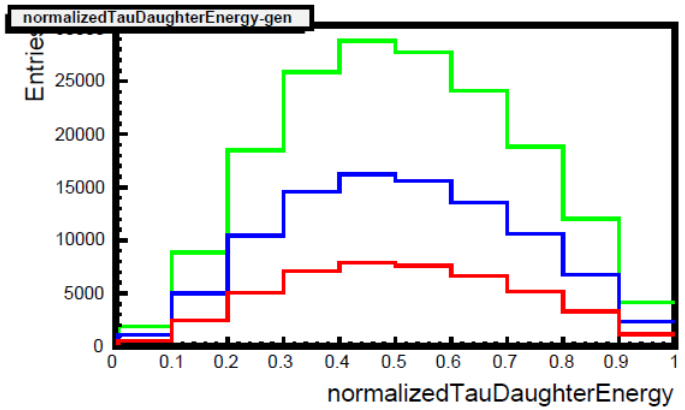
D -> Kππ^0

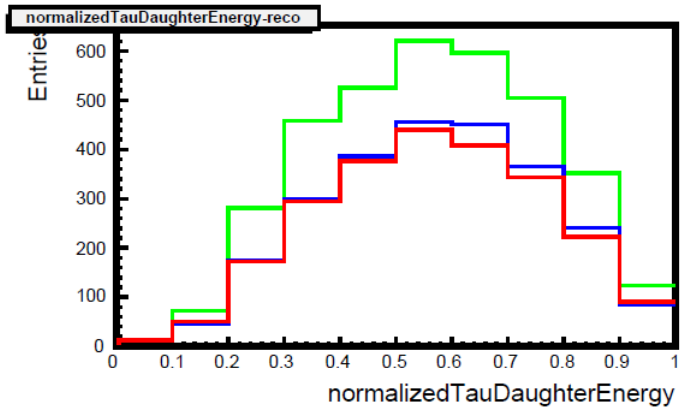
D -> K3π

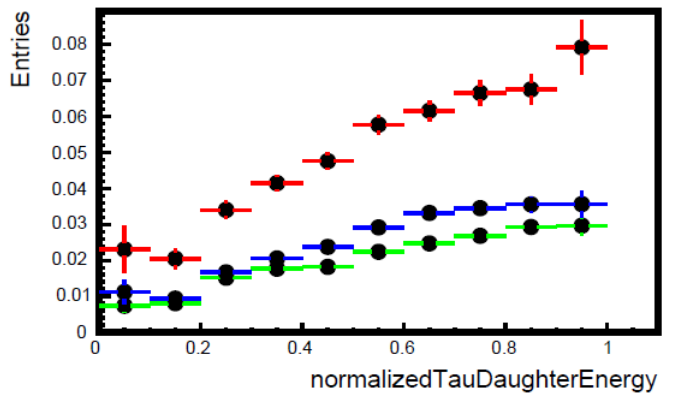




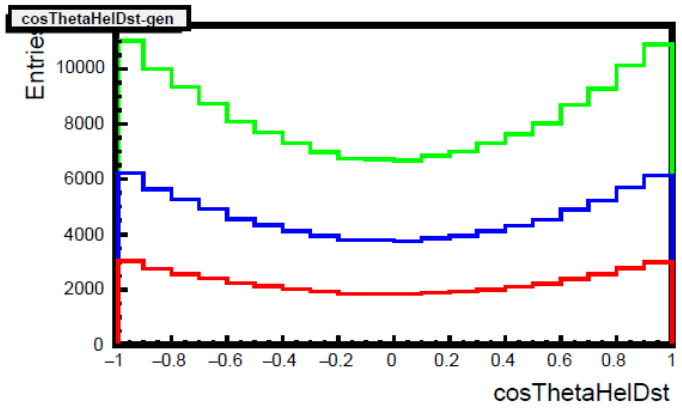


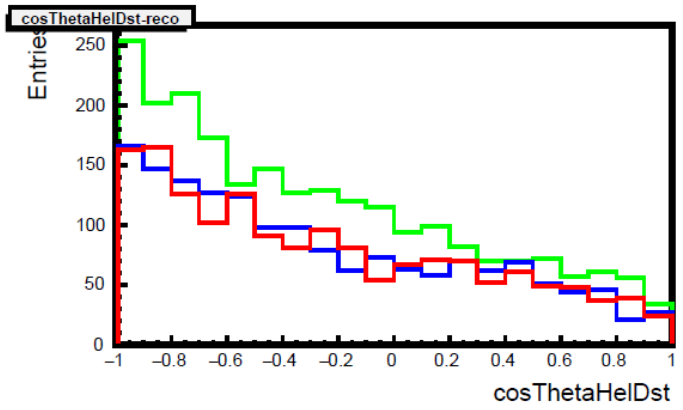


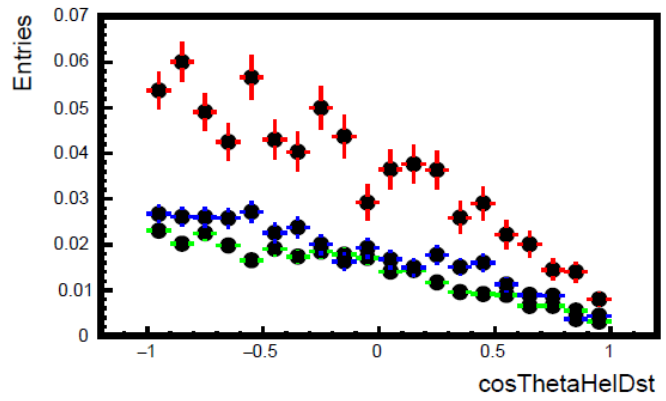




III 1D Efficiency plots: τ -> μν



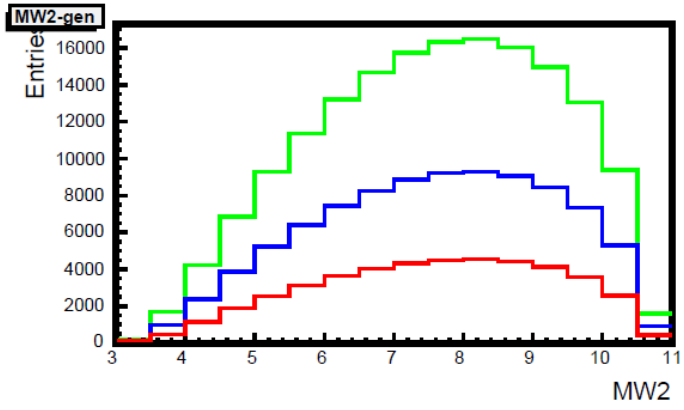


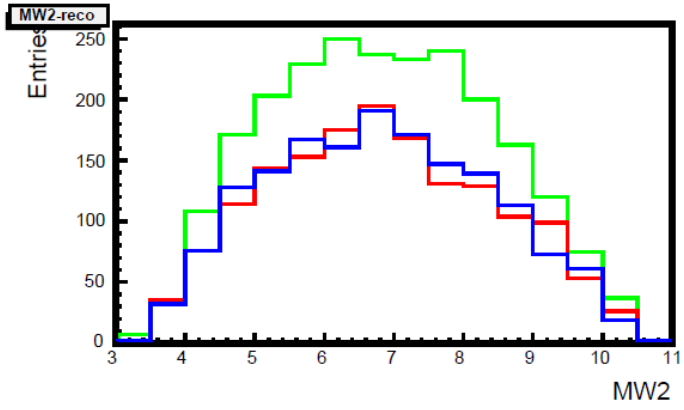


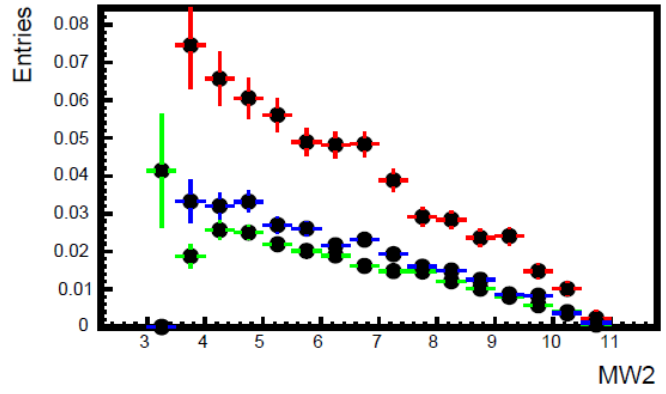
D -> Kπ

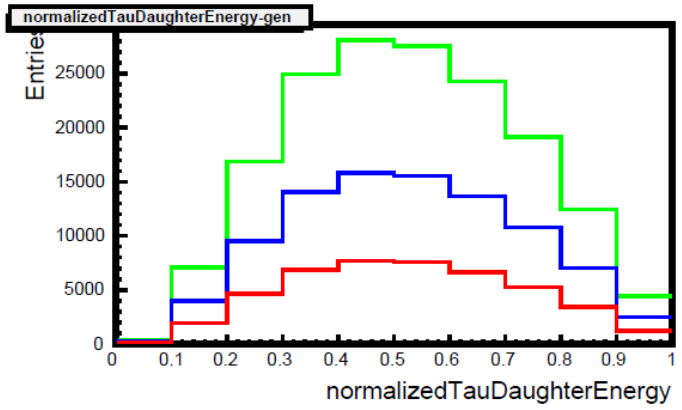
D -> Kππ^0

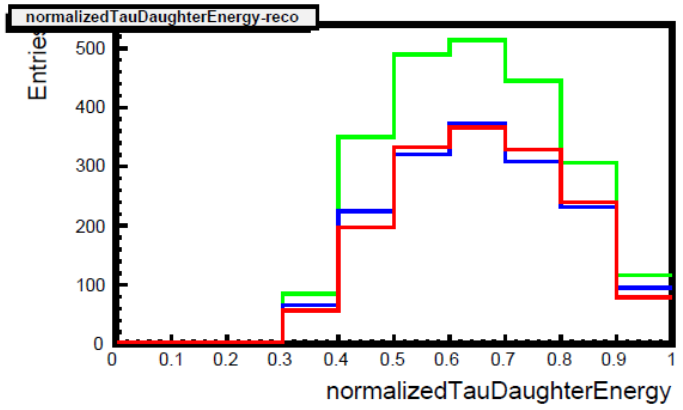
D -> K3π

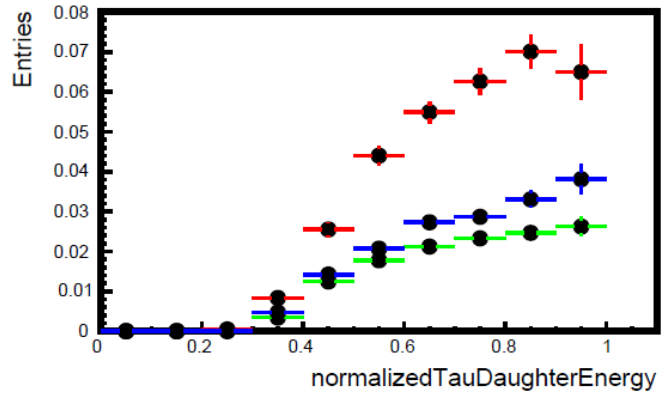




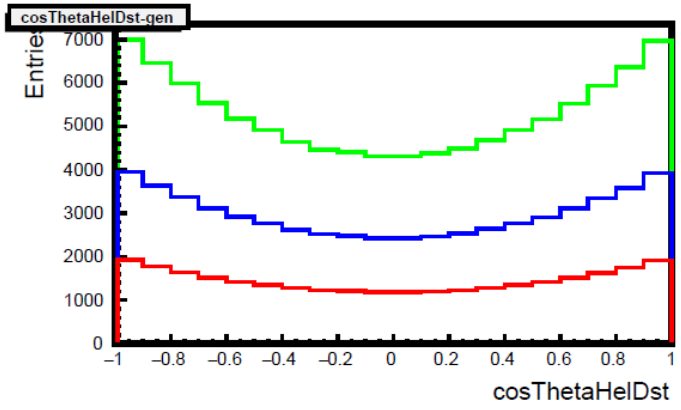


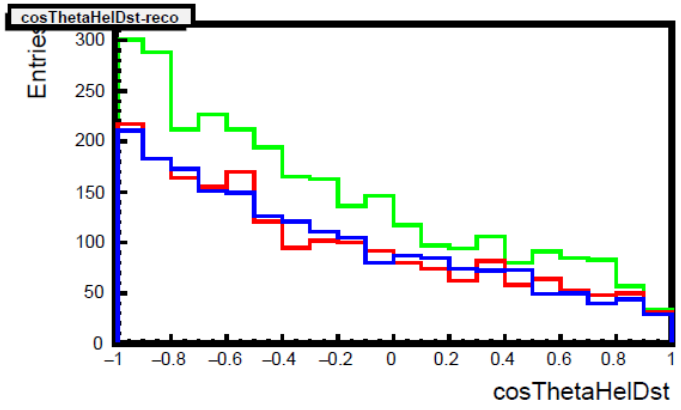


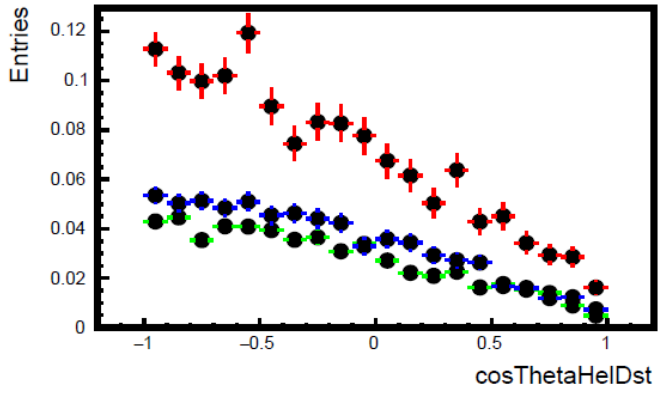




III 1D Efficiency plots: τ -> πν







D -> Kπ

D -> Kππ^0

D -> K3π