

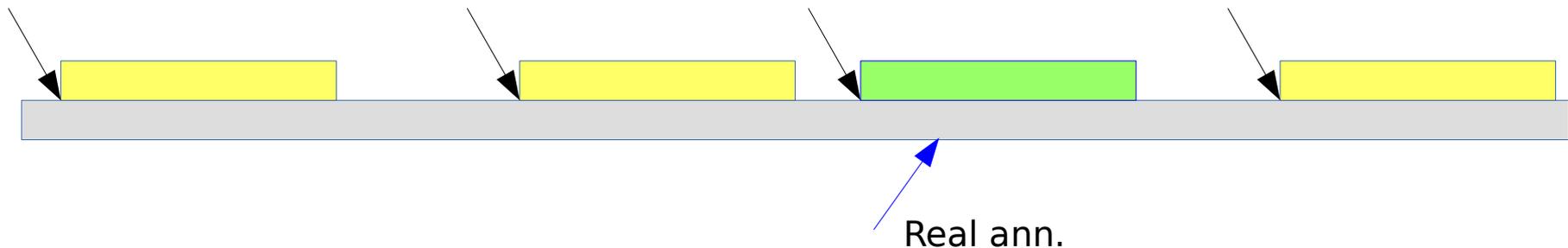
Trigger Selection

3 hits, including t-b hits, all combinations of $T_{\text{bot}} - T_{\text{top}} < 2\text{ns}$

(selection efficiency) = (# of events with only one trigger selected)
/ (the number of total events)

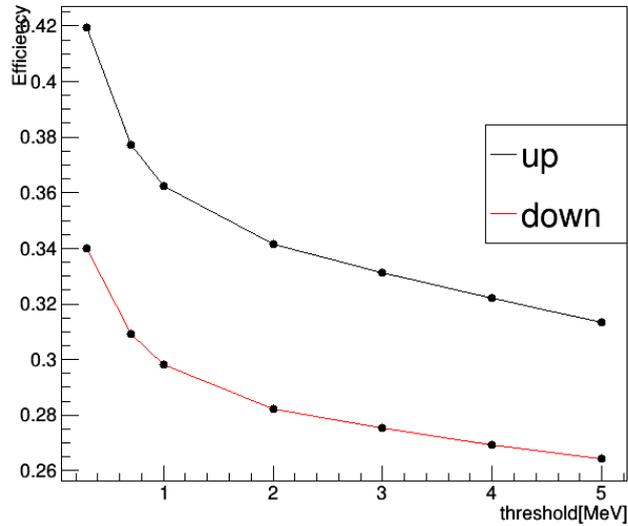
(selection accuracy) = (# of events with real annihilation trigger selected)
/ (# of events with only one trigger selected)

(background fraction) = 1 - (selection accuracy)

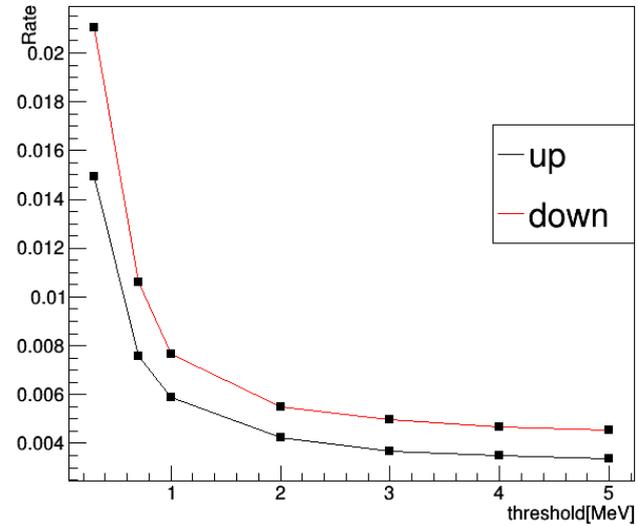


Threshold Dependence

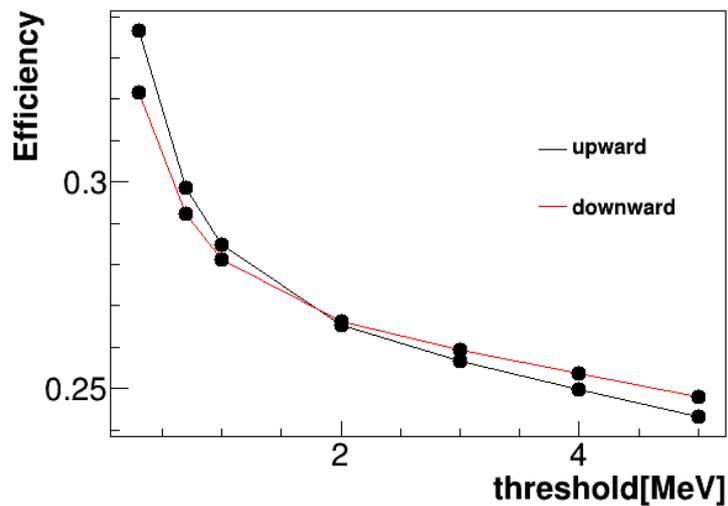
Selection Efficiency



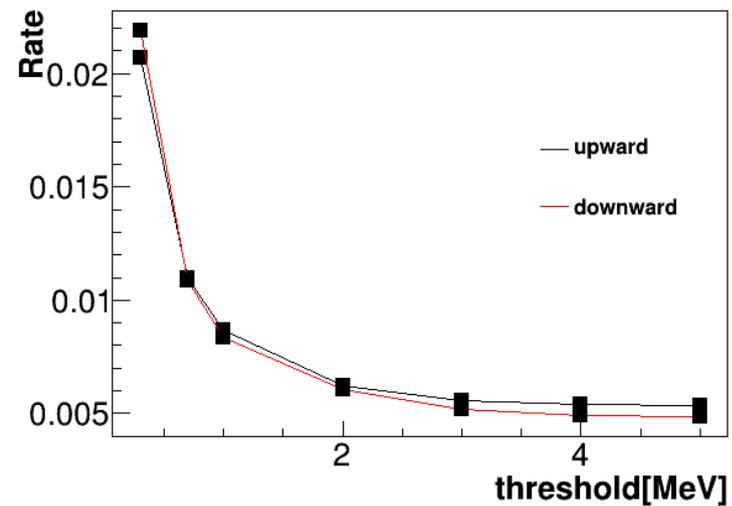
Background Rate



Selection Efficiency

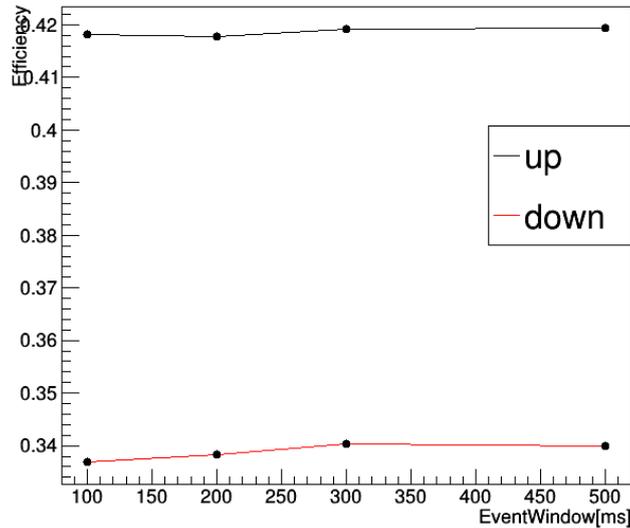


Background Rate

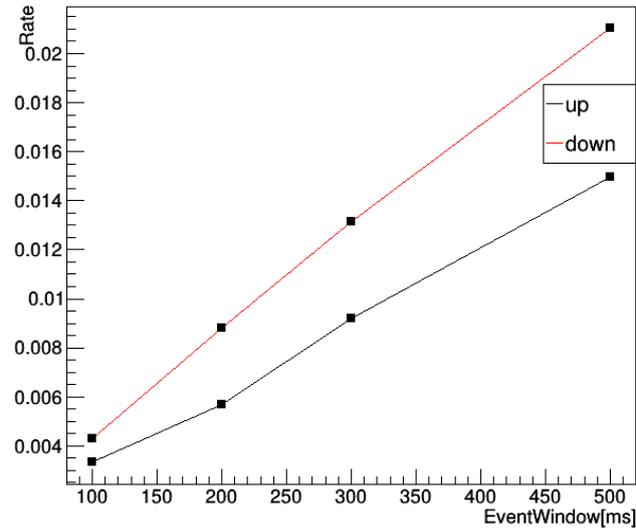


Event window Dependence

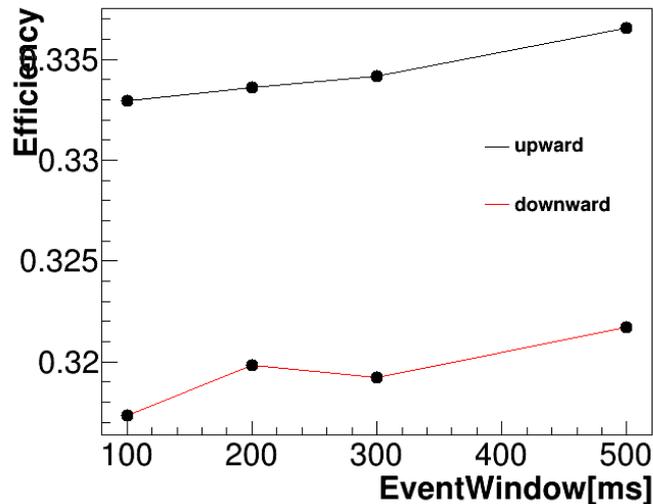
SelectionEfficiency with threshold = 0.3 MeV



BackgroundRate with threshold = 0.3 MeV



SelectionEfficiency with threshold = 0.3 MeV



BackgroundRate with threshold = 0.3 MeV

