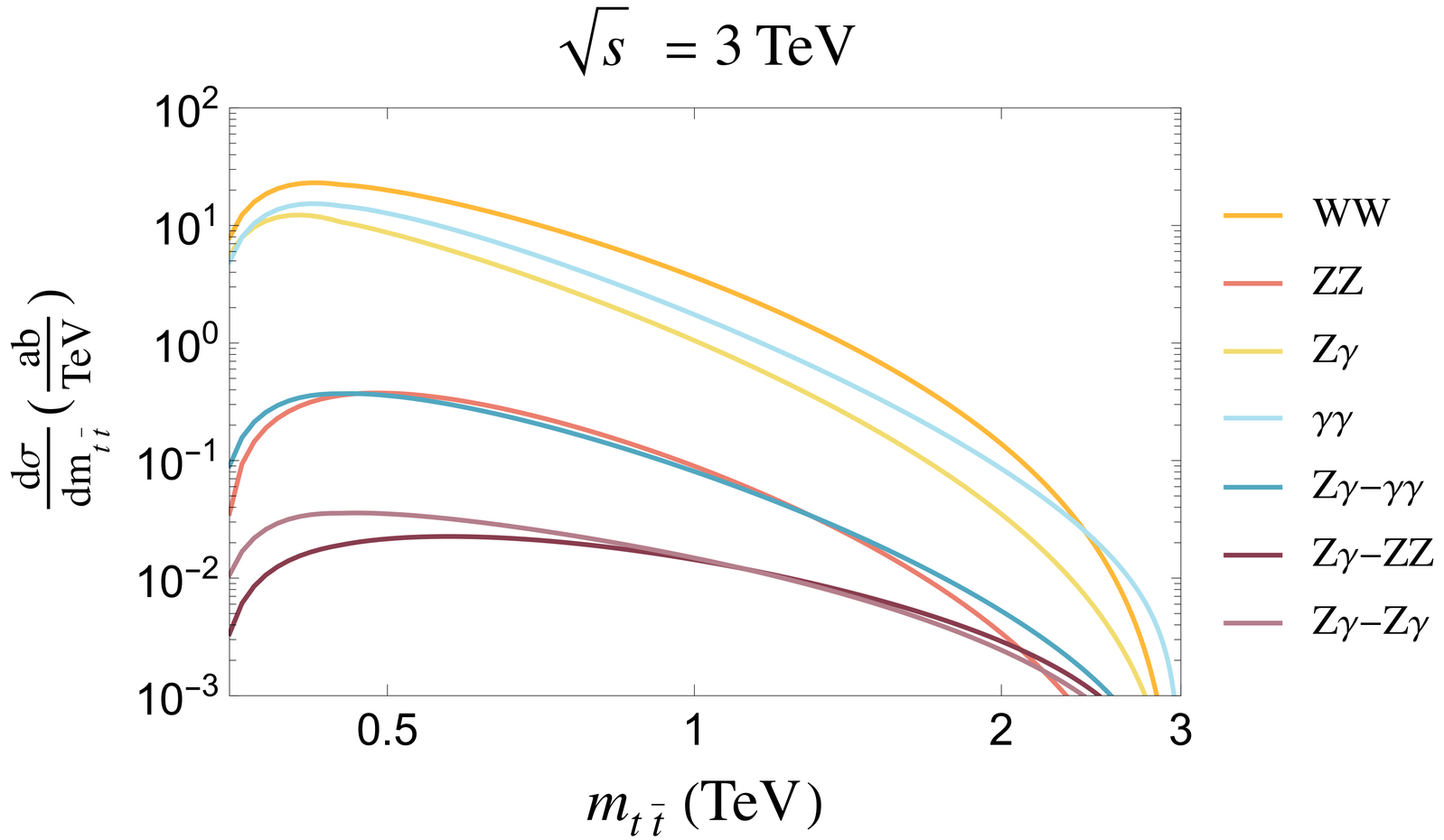
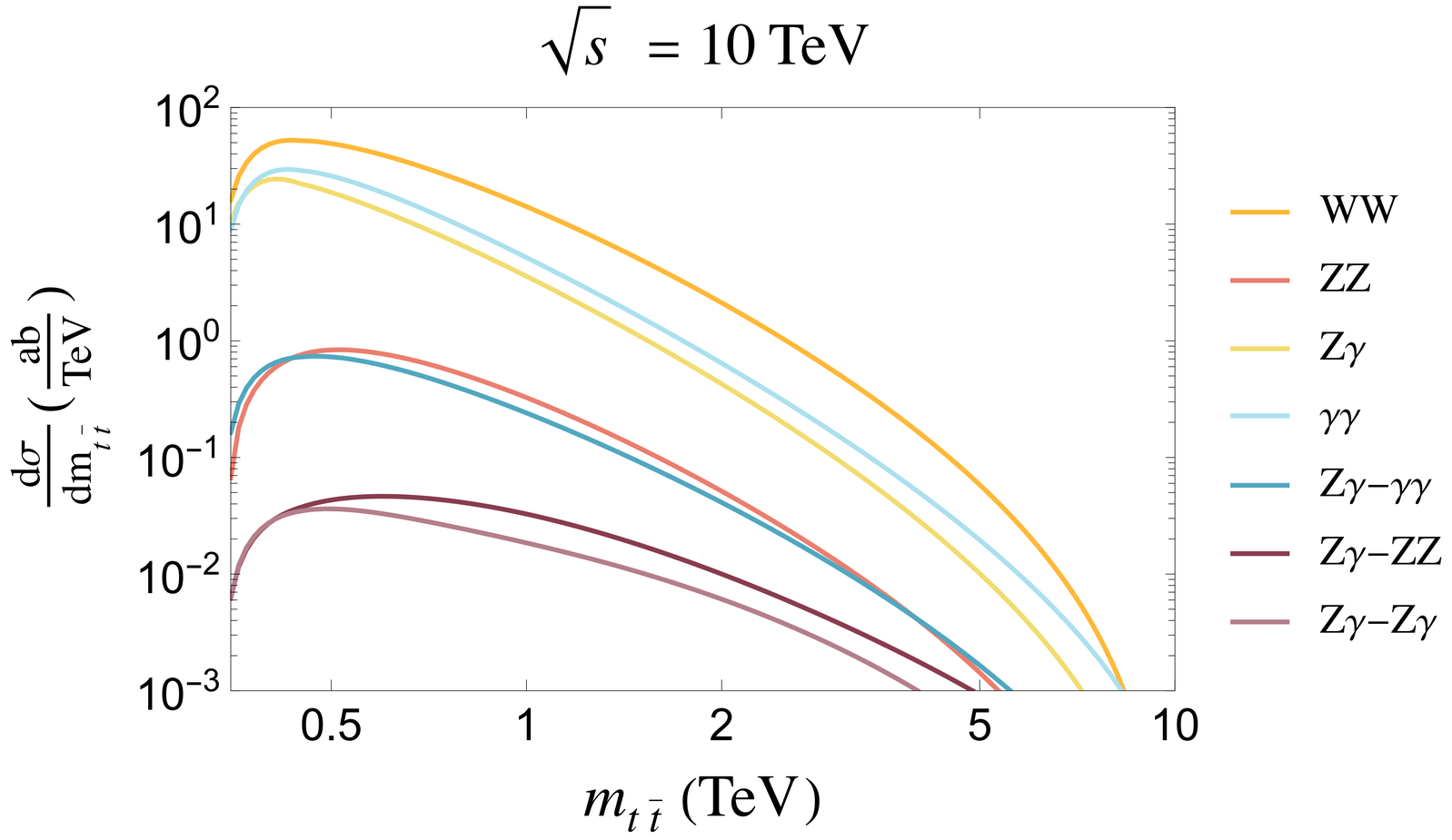
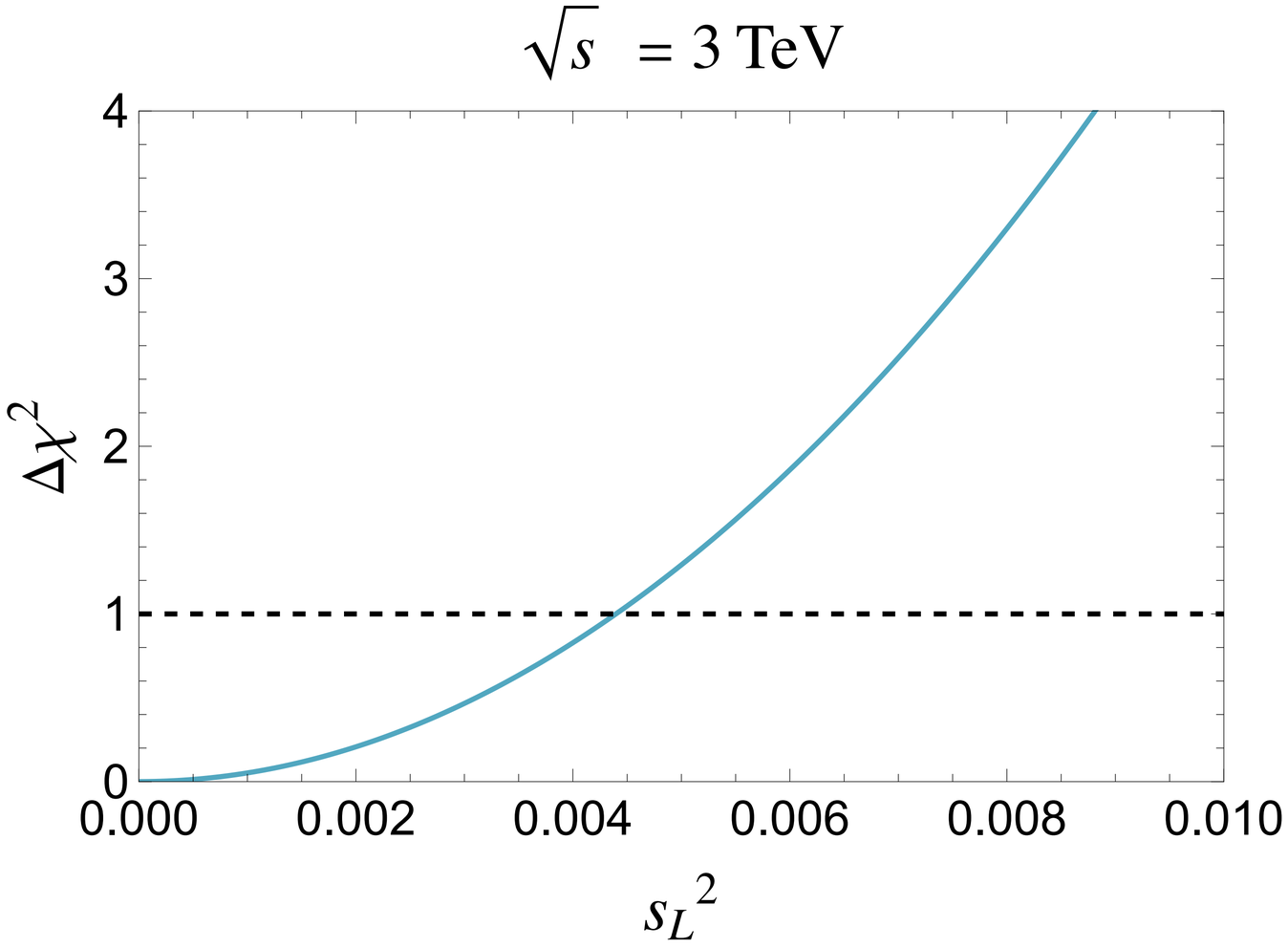
Interference terms included for 3 TeV and 1 ab^{-1} Collider



Interference terms included for 10 TeV and 10 ab^{-1} Collider

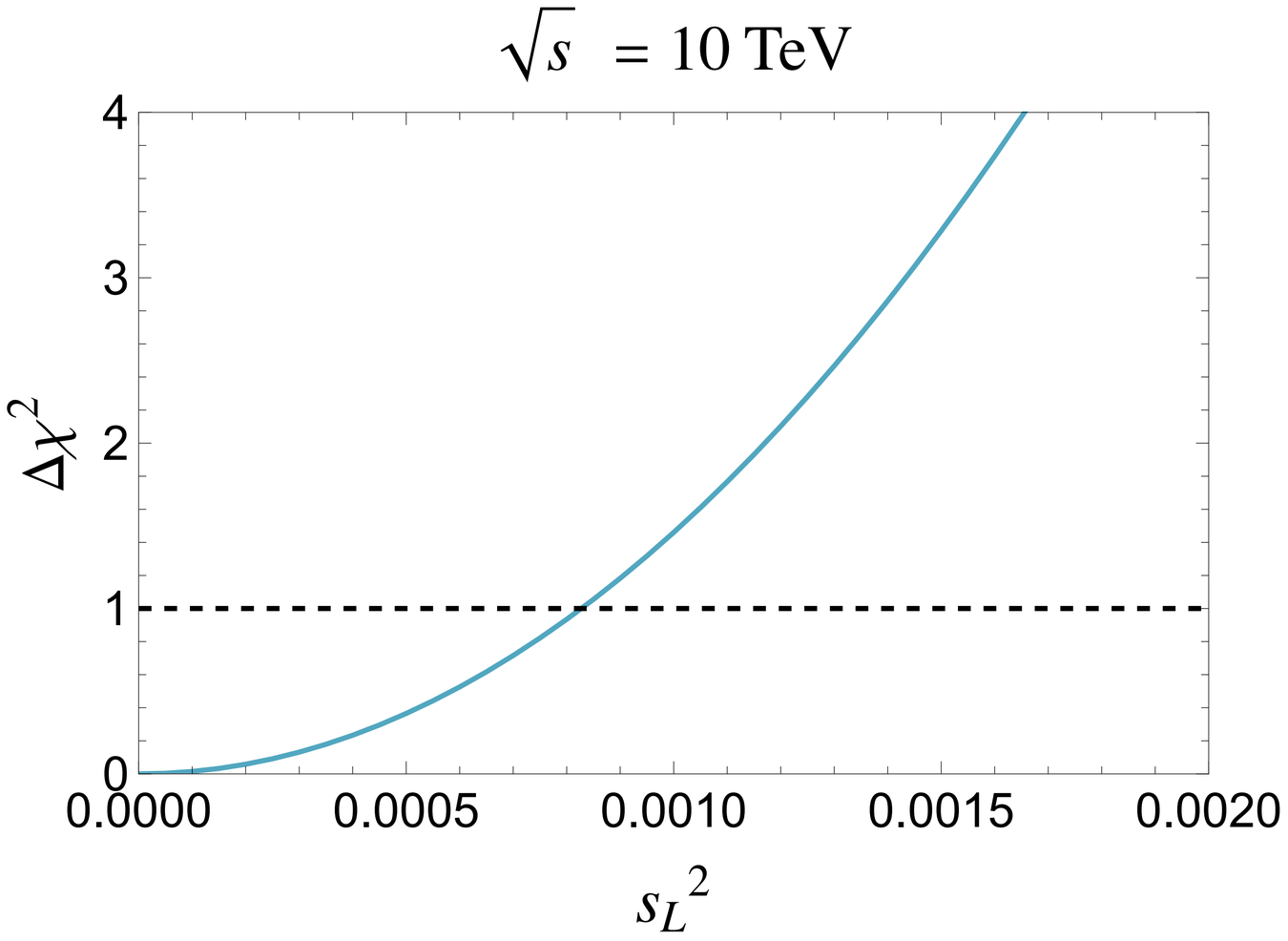


s_L^2 bound for 3 TeV and 1 ab^{-1} Collider



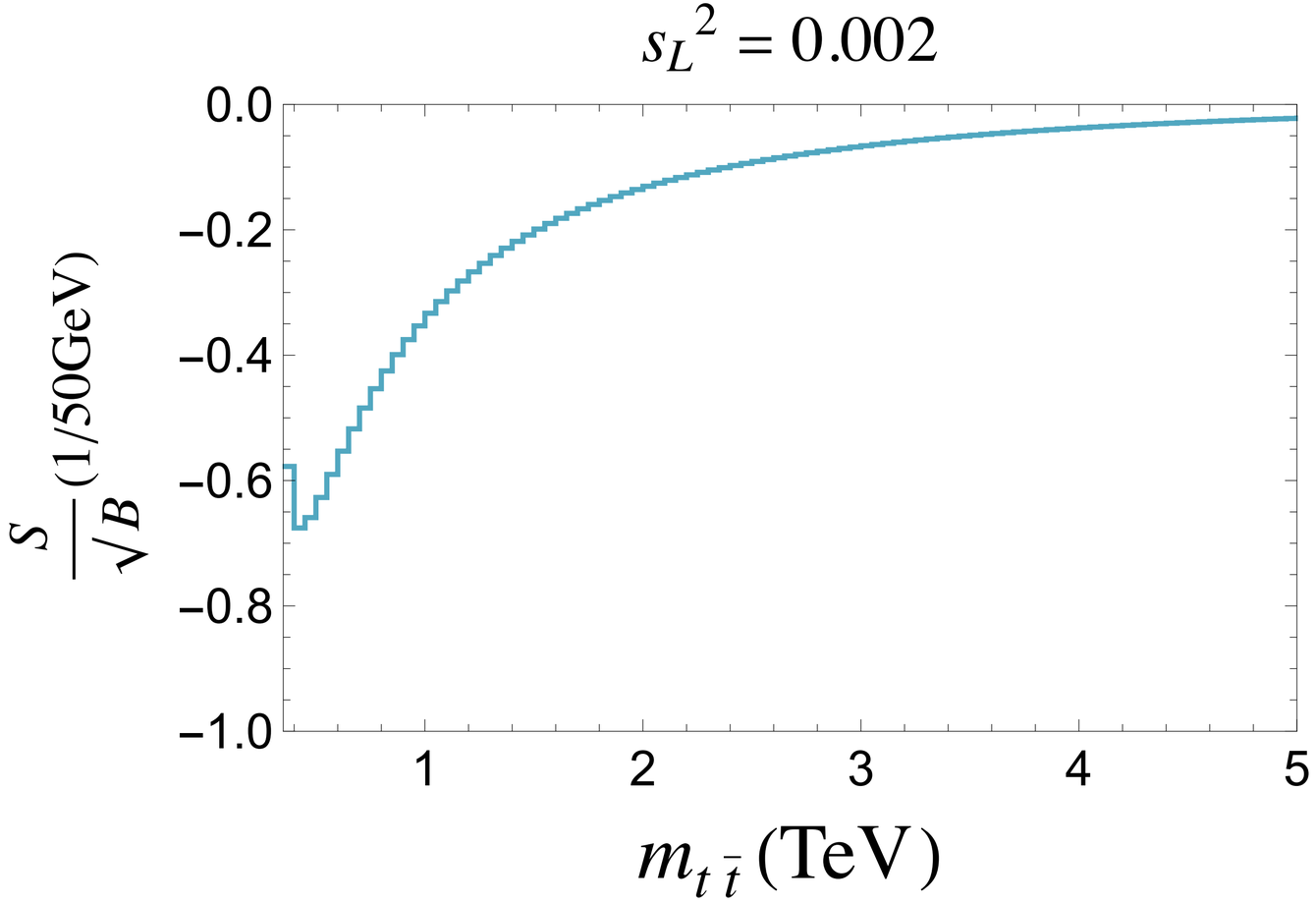
1σ bound is less than 0.5% on s_L^2 after including all channels for 3 TeV collider

s_L^2 bound for 10 TeV and 10 ab^{-1} Collider



1σ bound is less than 0.1% on s_L^2 after including all channels

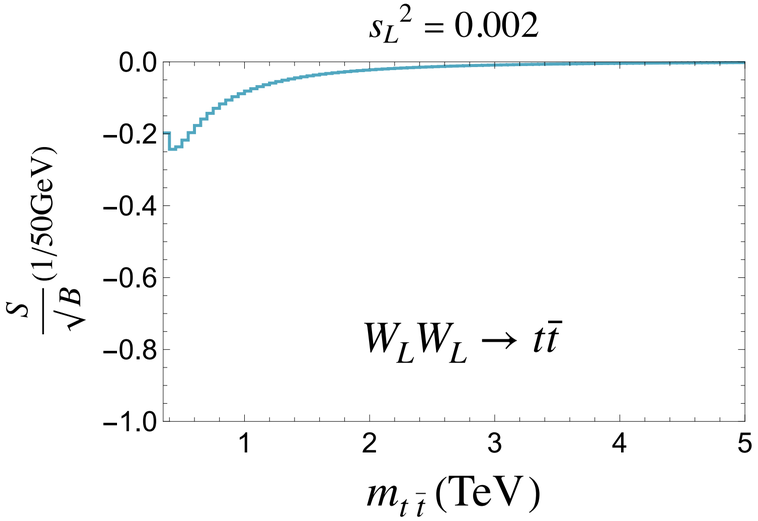
Signal Significance from all channels for 10 TeV collider

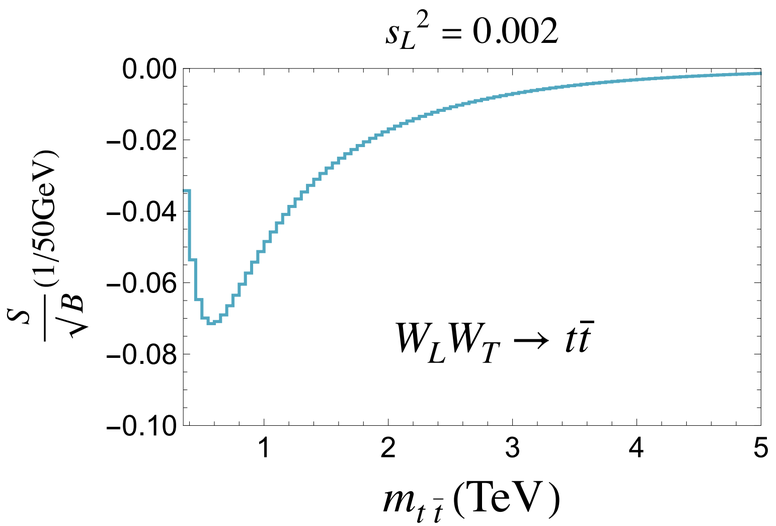


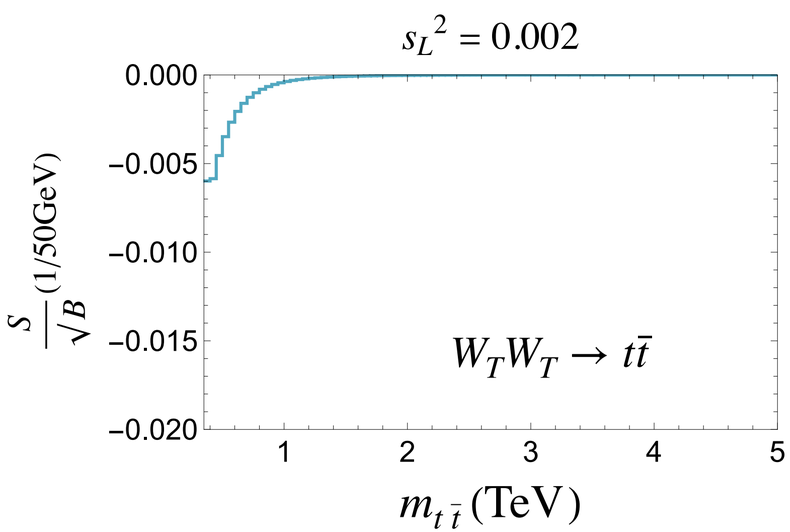
The figure sums contributions from all channels

Signal Significance in Various Channels for 10 TeV collider

WWtt Channel



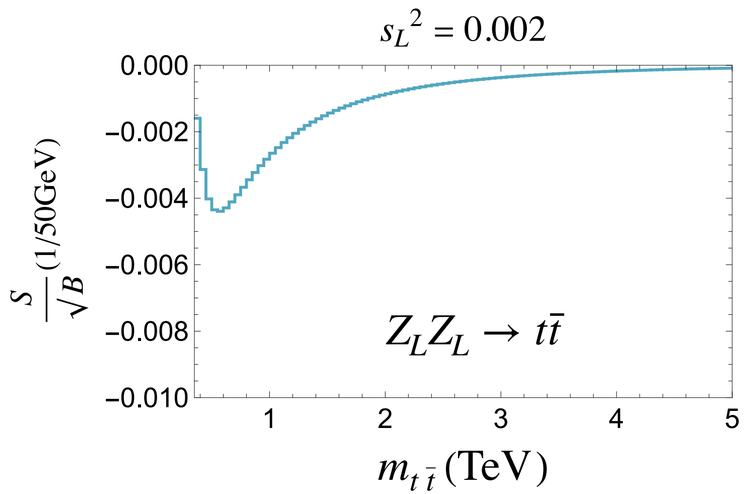


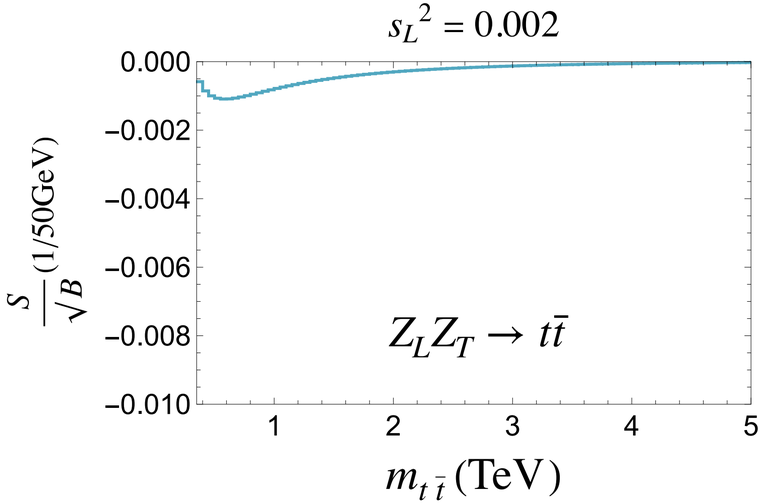


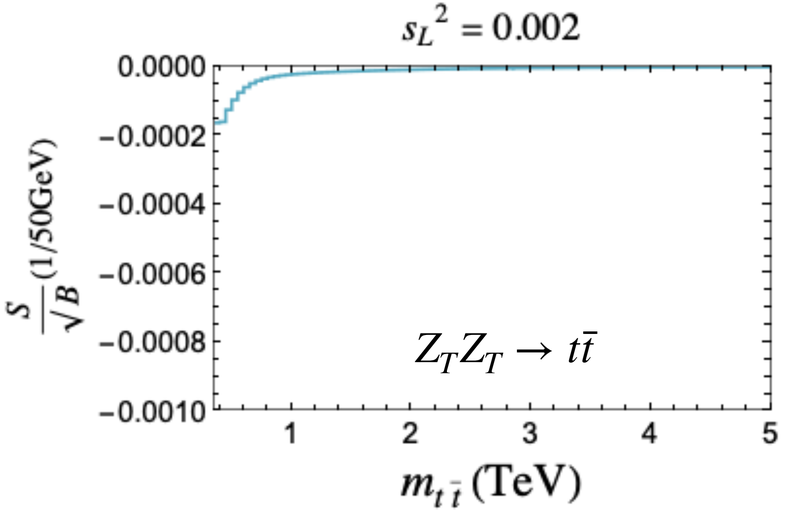
The largest overall contribution comes from $W_L W_L \to t\bar{t}$

Signal Significance in Various Channels for 10 TeV collider

ZZtt Channel



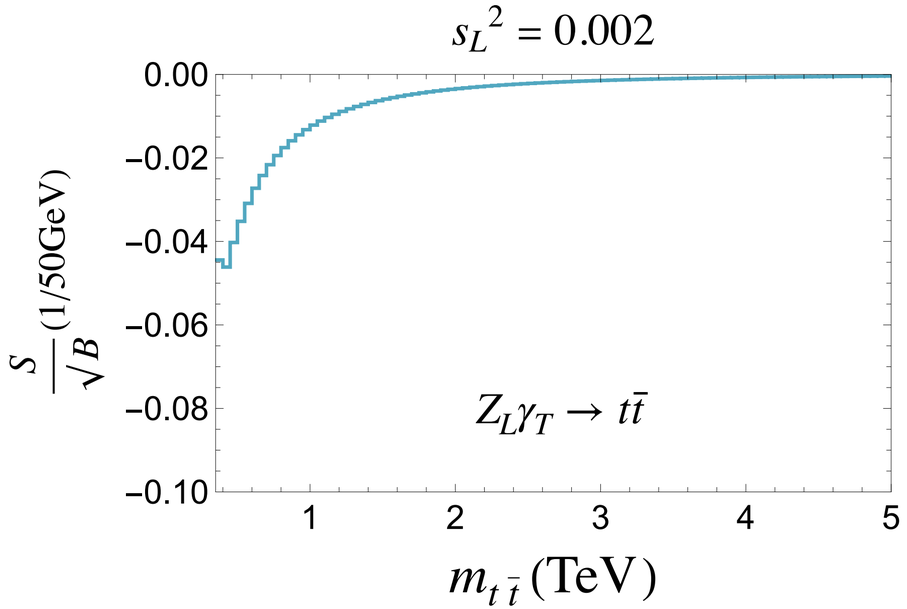


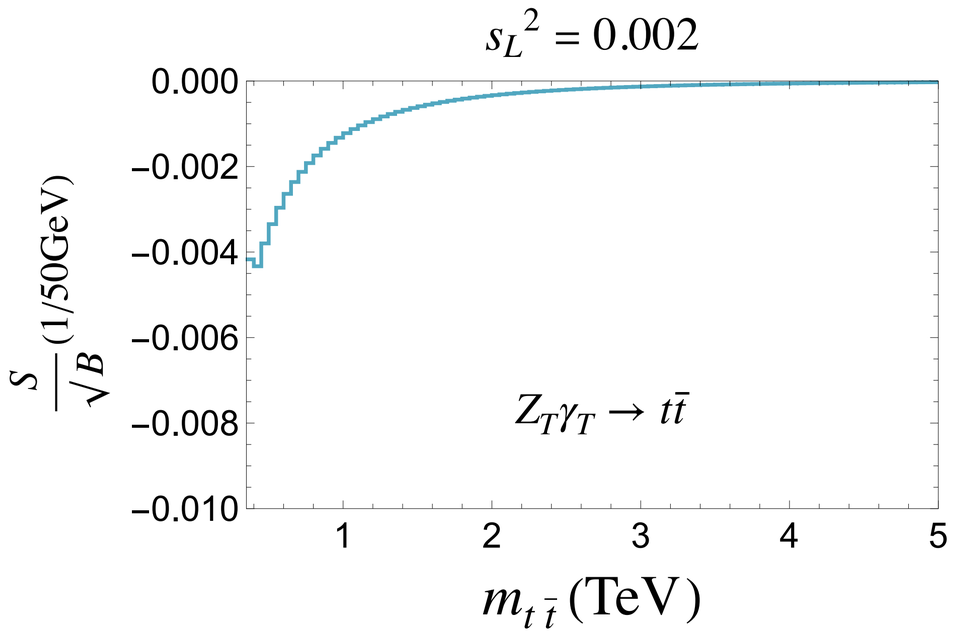


Minimal contribution to overall significance from this channel

Signal Significance in Various Channels for 10 TeV collider

Zγtt Channel

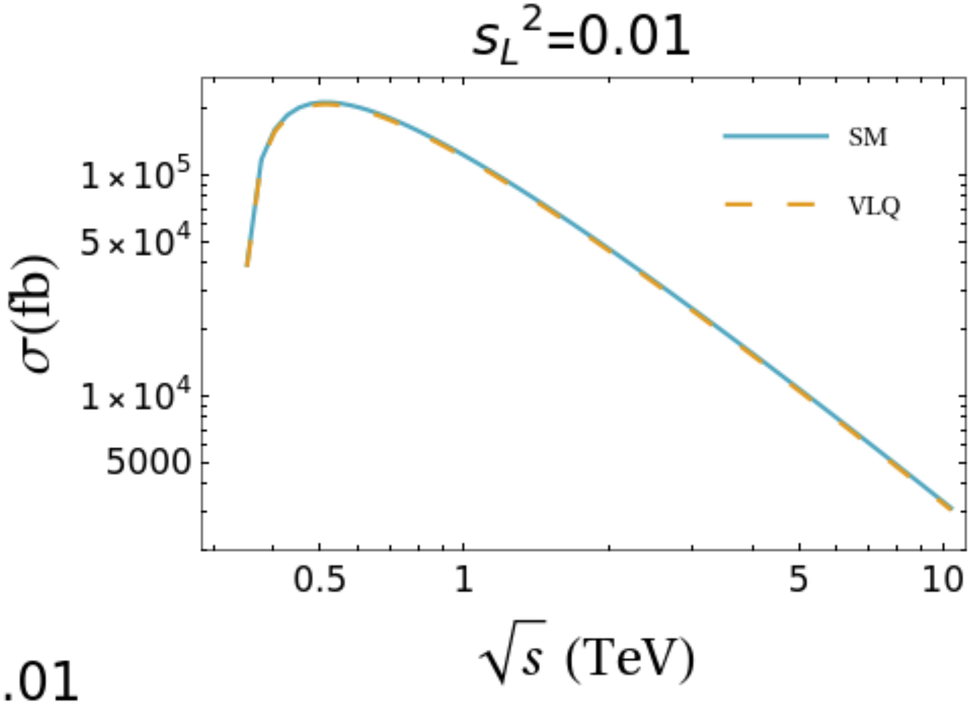


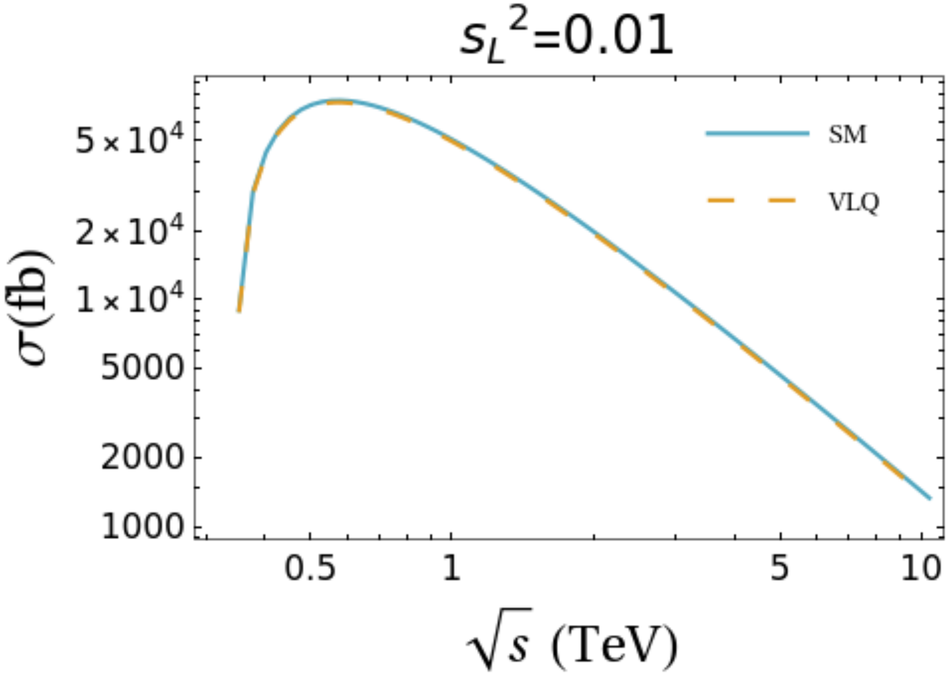


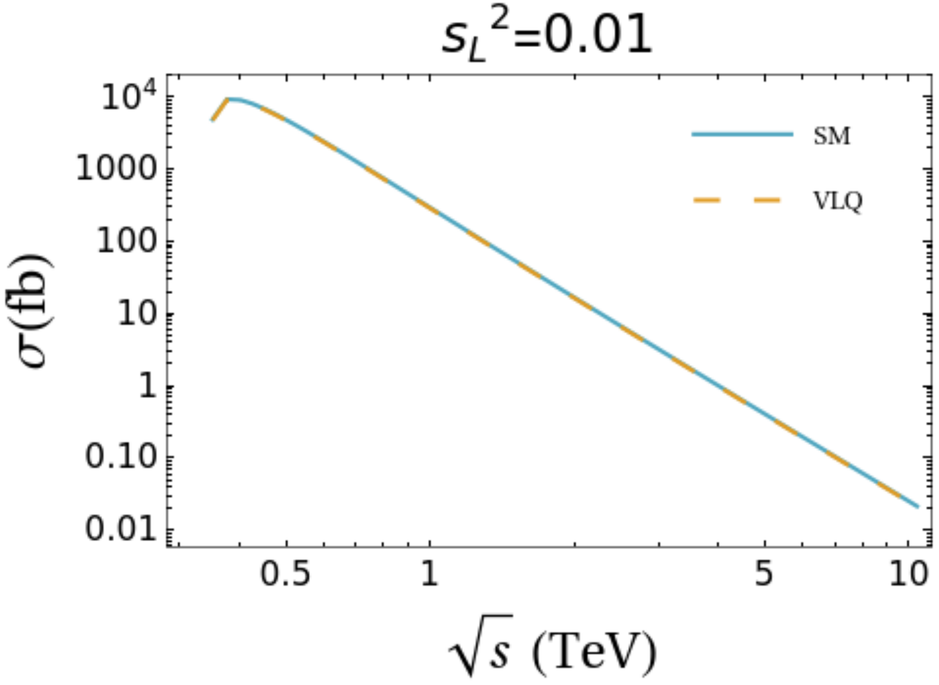
The conclusion seems to be almost all significance comes from WWtt channel

Analysis With VLQ Model

Partonic Distribution for a few selected polarization of WW

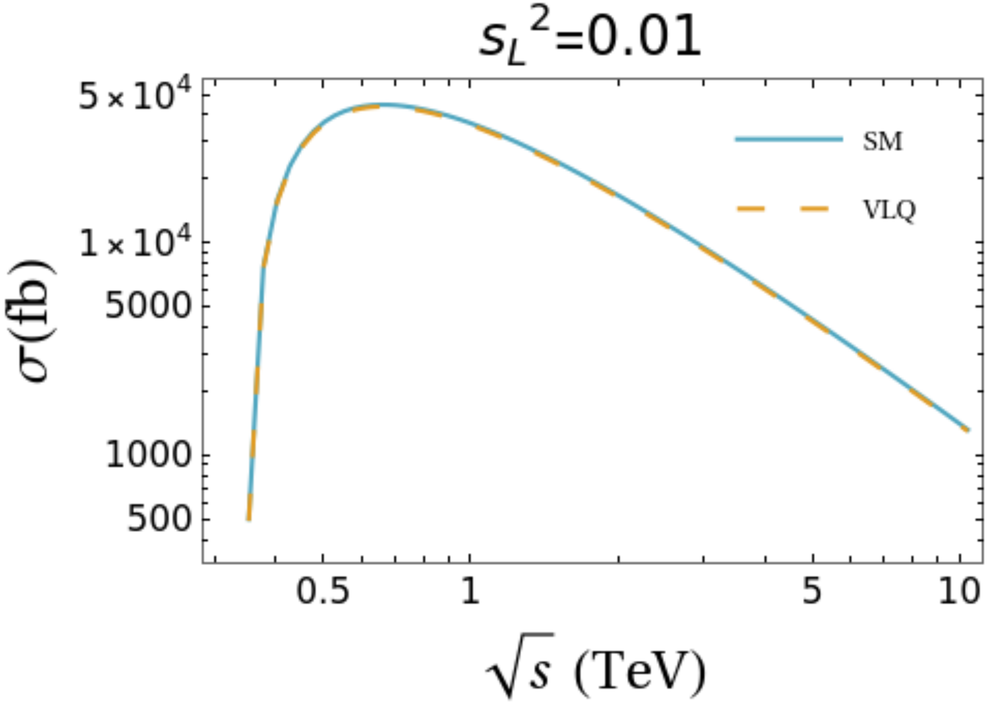


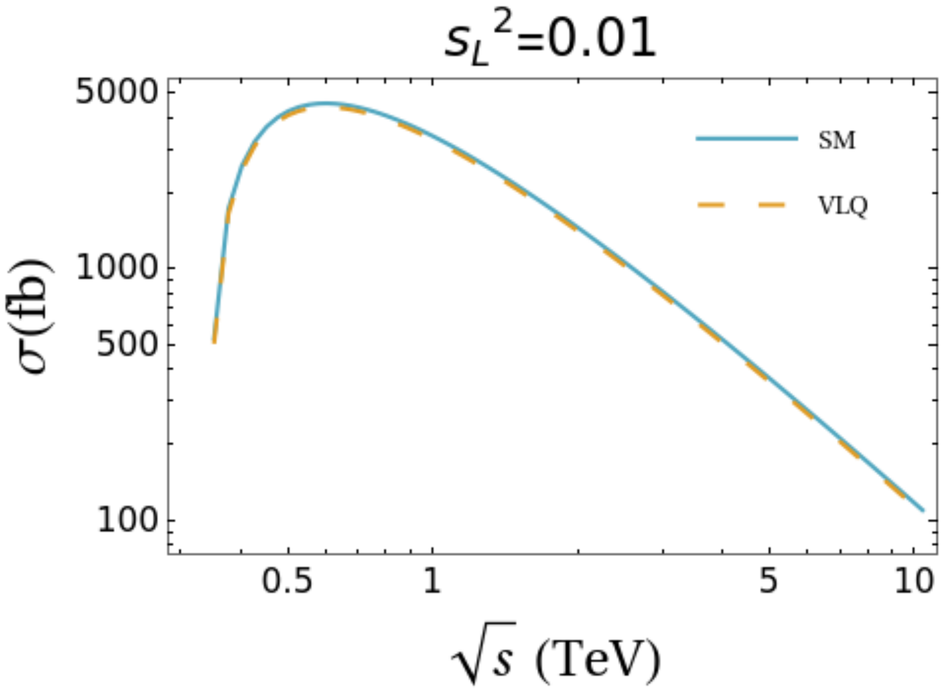




Analysis With VLQ Model

Partonic Distribution for a few selected polarization of ZZ





The parameter space for the VLQ model