

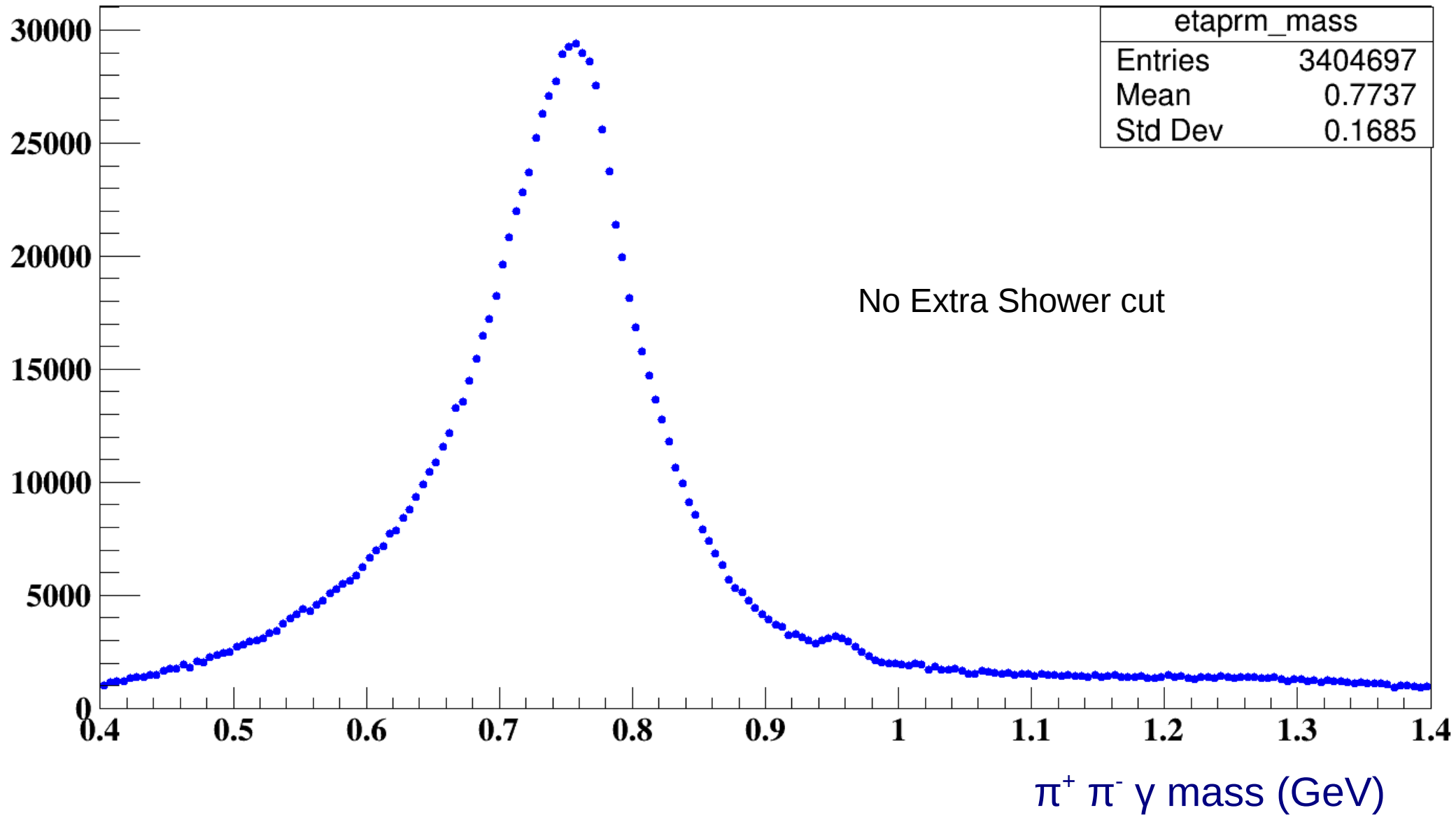
# $\eta'$ Yield Ratio

1)  $\eta'$  and  $\eta$  yield from  $\pi^+ \pi^- \gamma$  channel

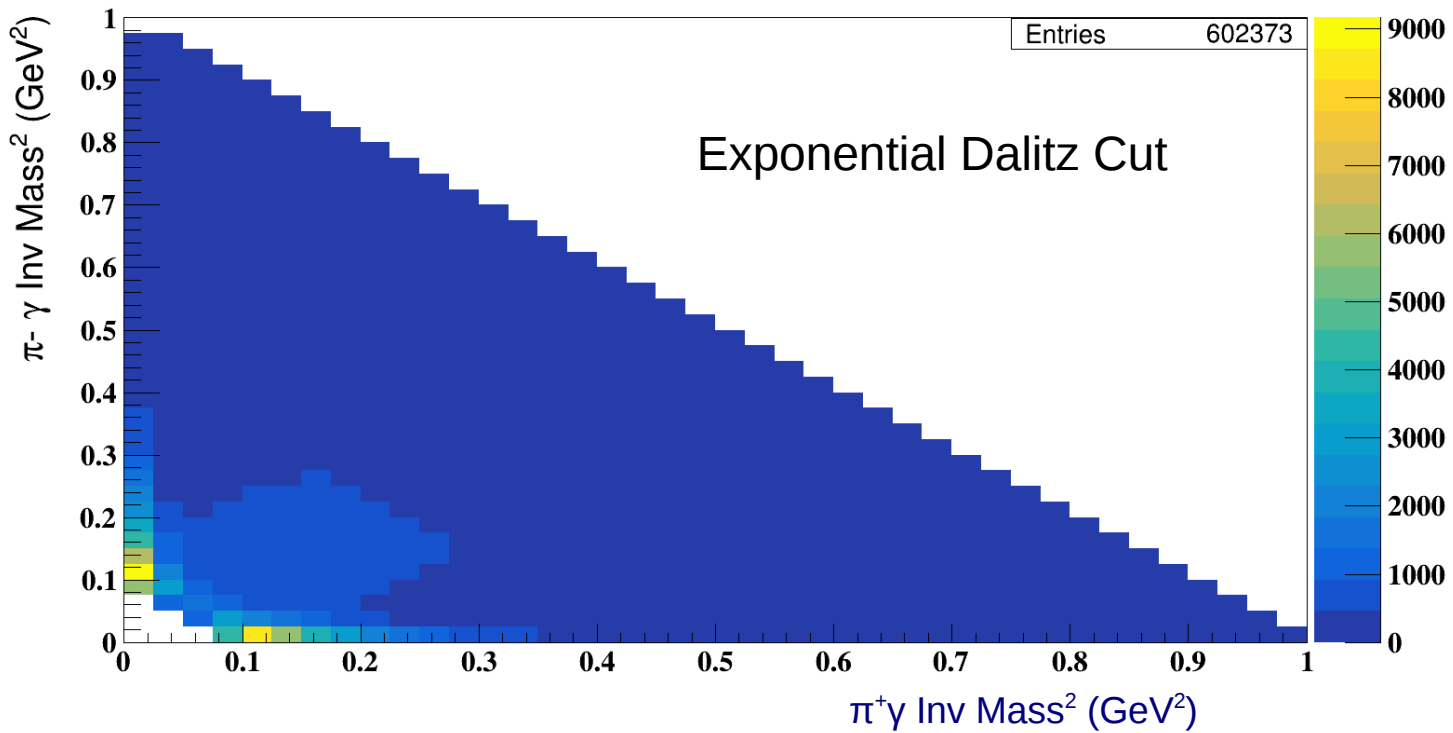
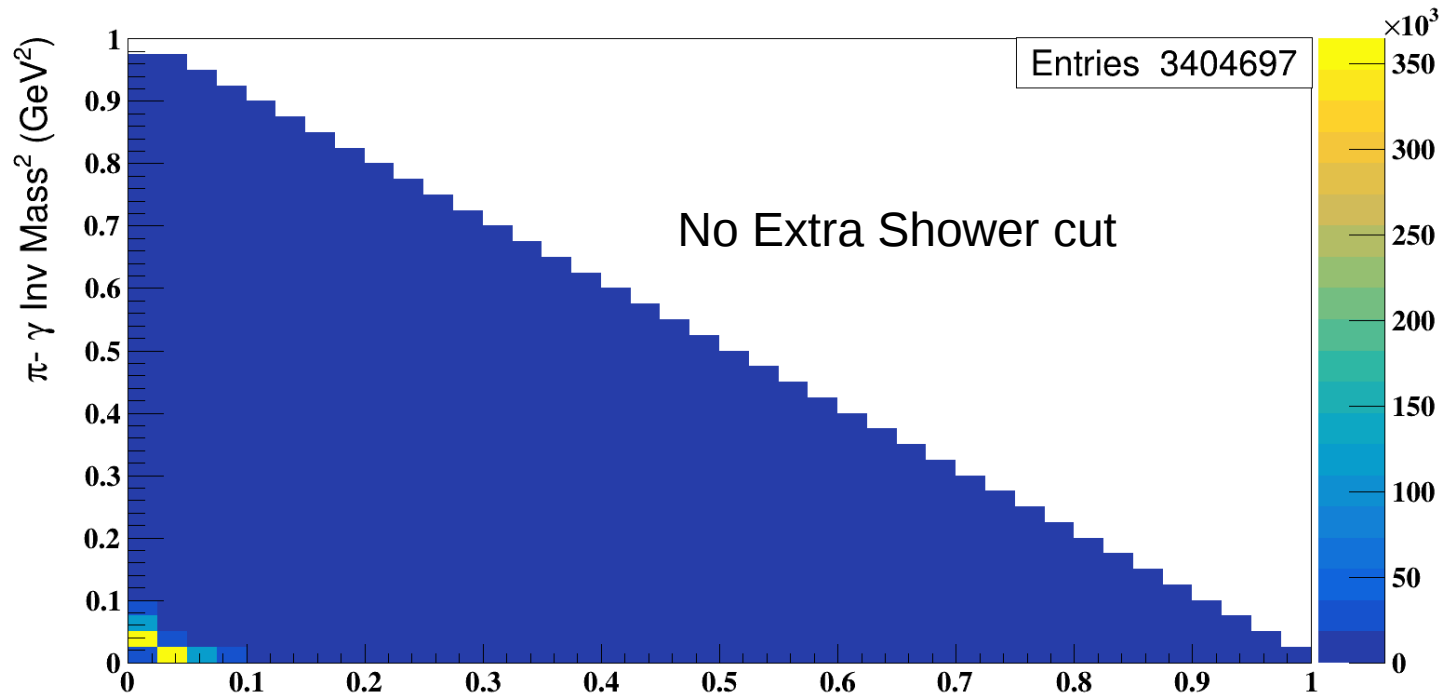
2)  $\eta'$  yield from  $\pi^+ \pi^- \eta$  channel

Mahmoud Kamel

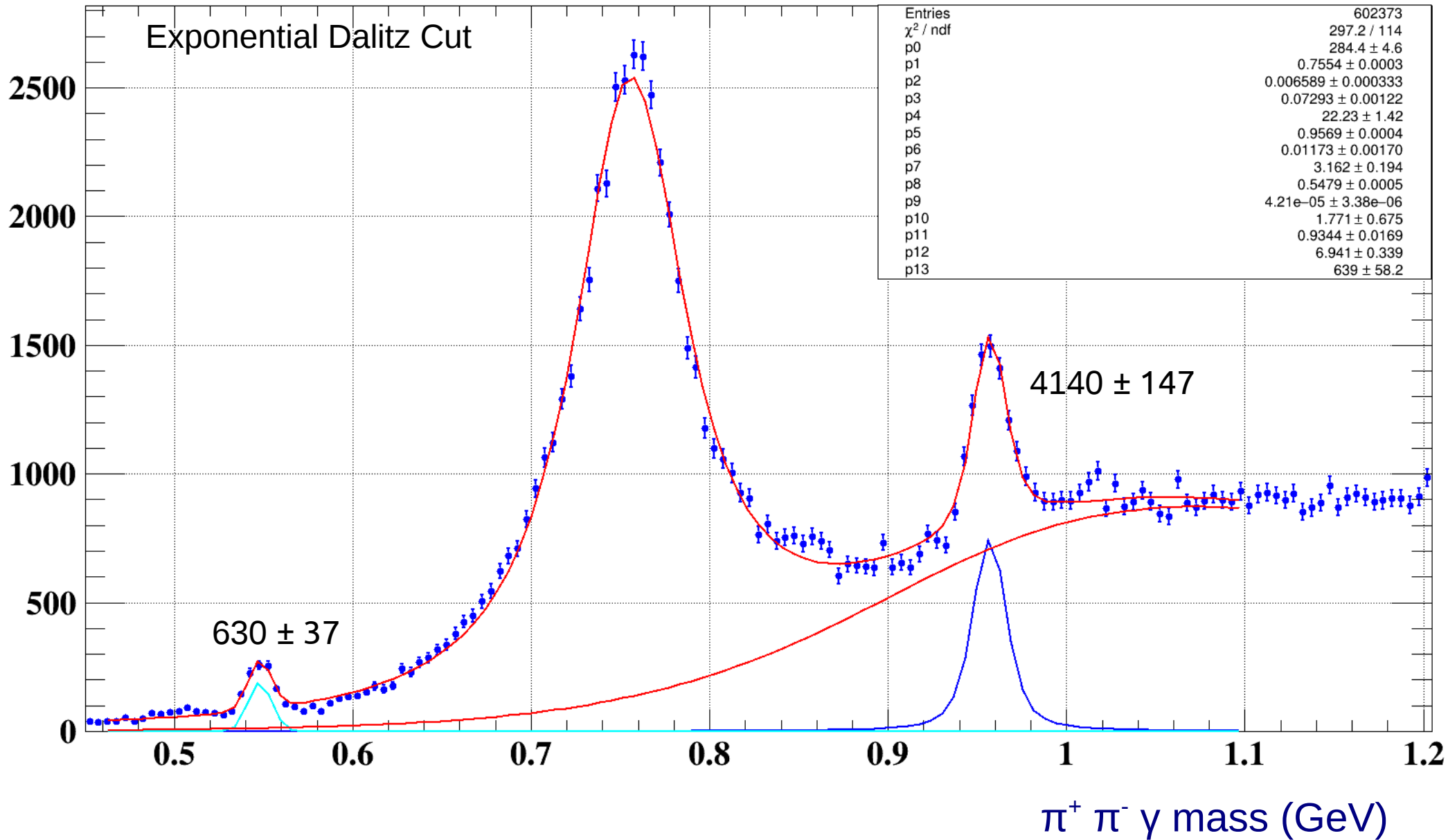
# $\pi^+ \pi^- \gamma$ Channel



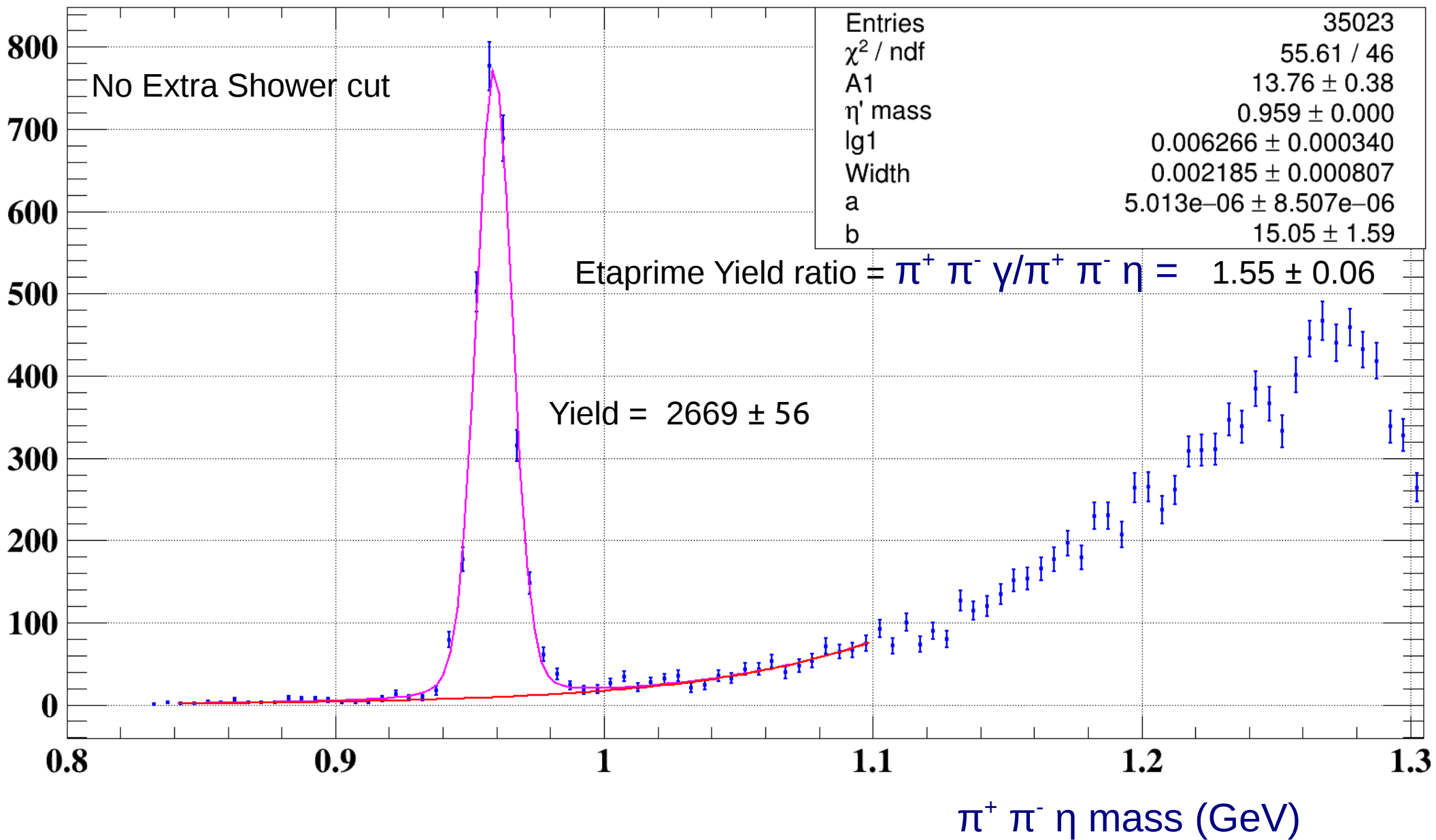
# Dalitz Cut



# $\pi^+ \pi^- \gamma$ Channel



# $\pi^+ \pi^- \eta$ Channel



## Future work

- Efficiency normalized yield
- Put all the calculations in one macro
- Obtain the yields as a function of beam energy and  $t$  when more statistics are available