

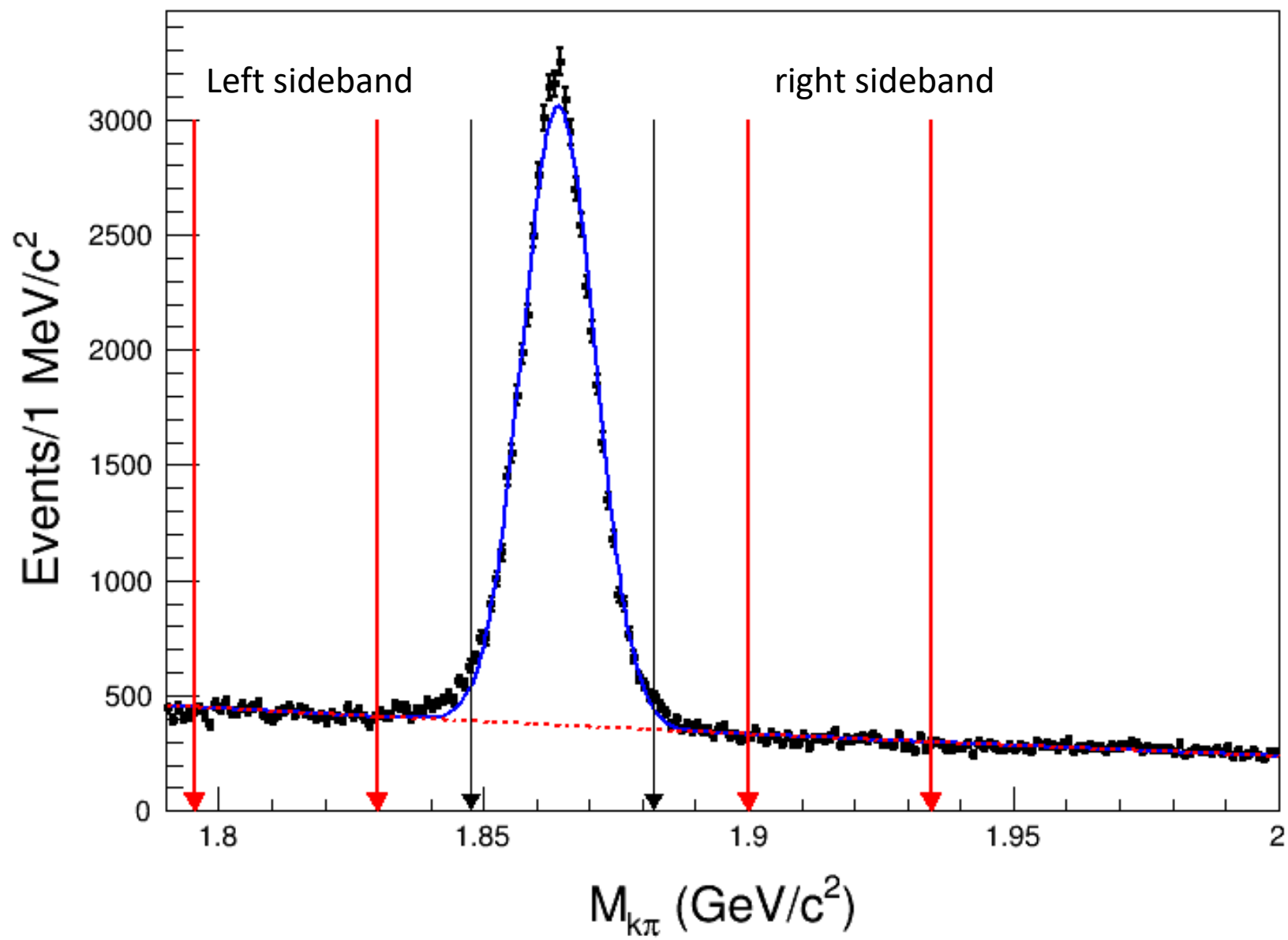
Weekly report

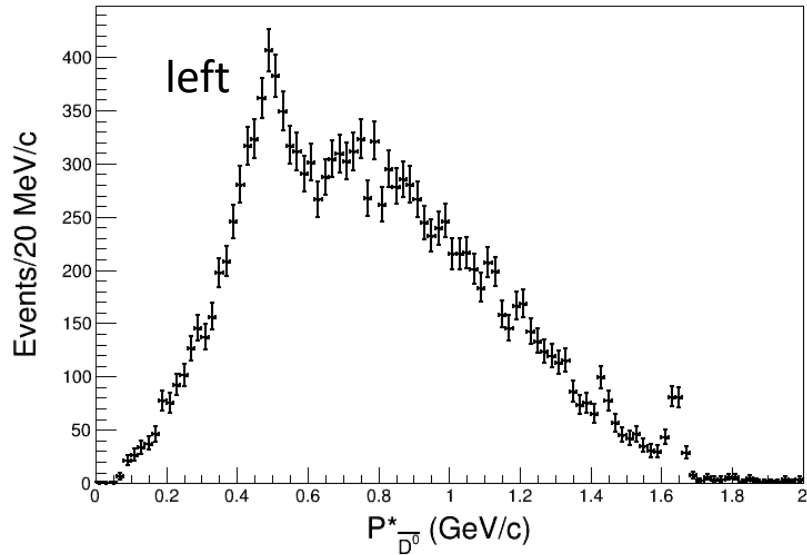
Su Yumo

2017.4.7

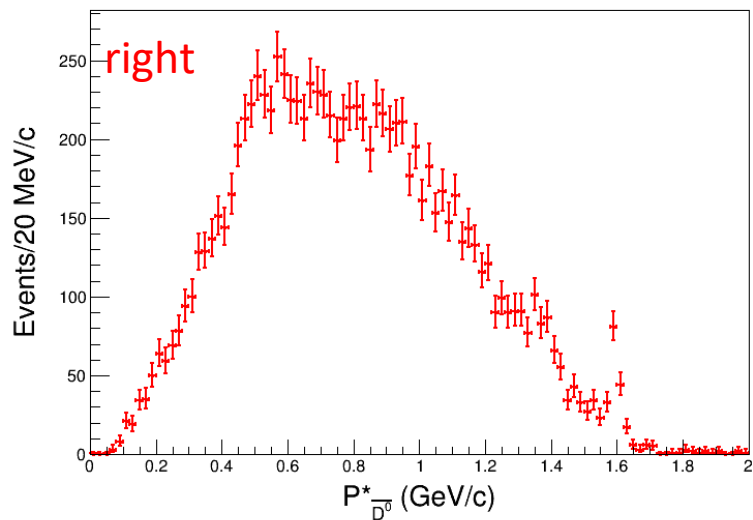
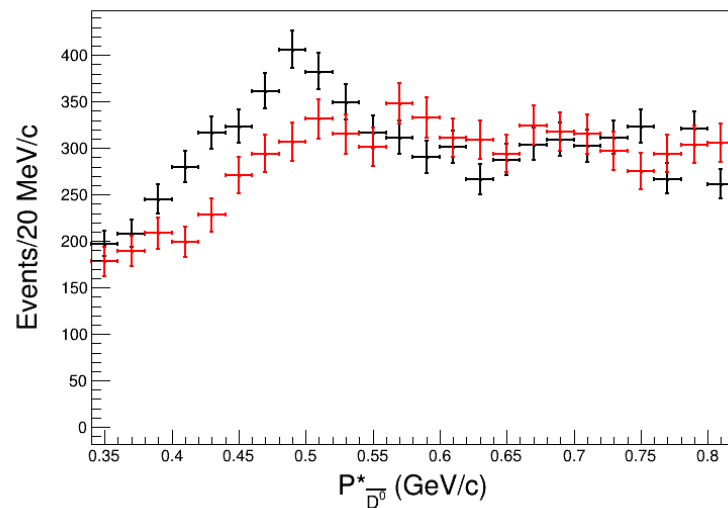
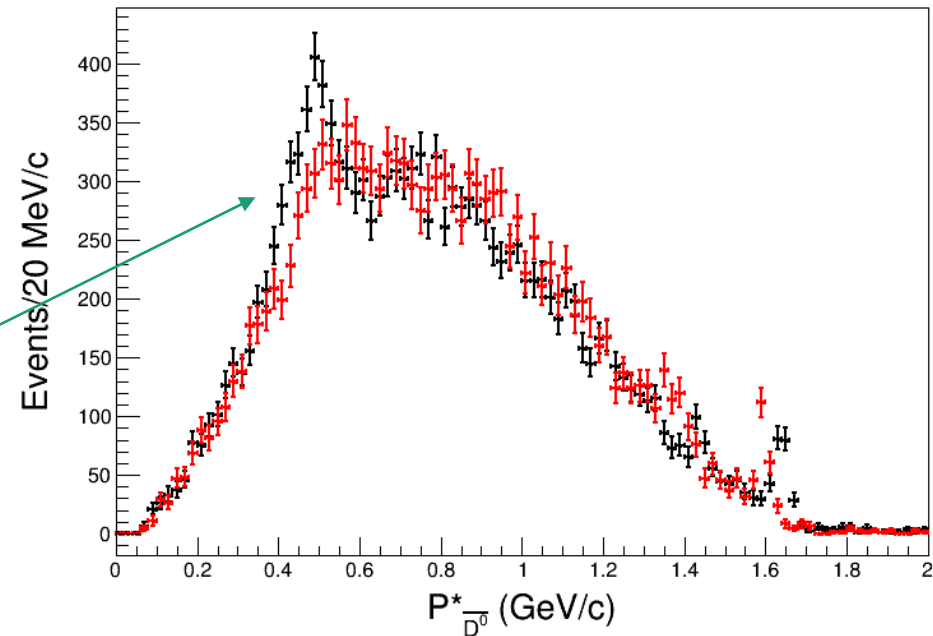
The problem of momentum spectrum fit at 4010MeV data

- One possible reason is there are some background processes, such as $D^0\bar{D}^0\gamma$, $D^0\bar{D}^0\pi^0$ and $D^{*0}\bar{D}^0\gamma$.
- One possible reason is there are some difference between left sideband and right sideband in momentum spectrum shape.
- One possible reason is that MC momentum shape has some problems , cause the MC momentum shape depends on cross section line shape. I can not get correct cross section line shape at first.
- I study if there are some difference between left sideband and right sideband in momentum spectrum shape last week.

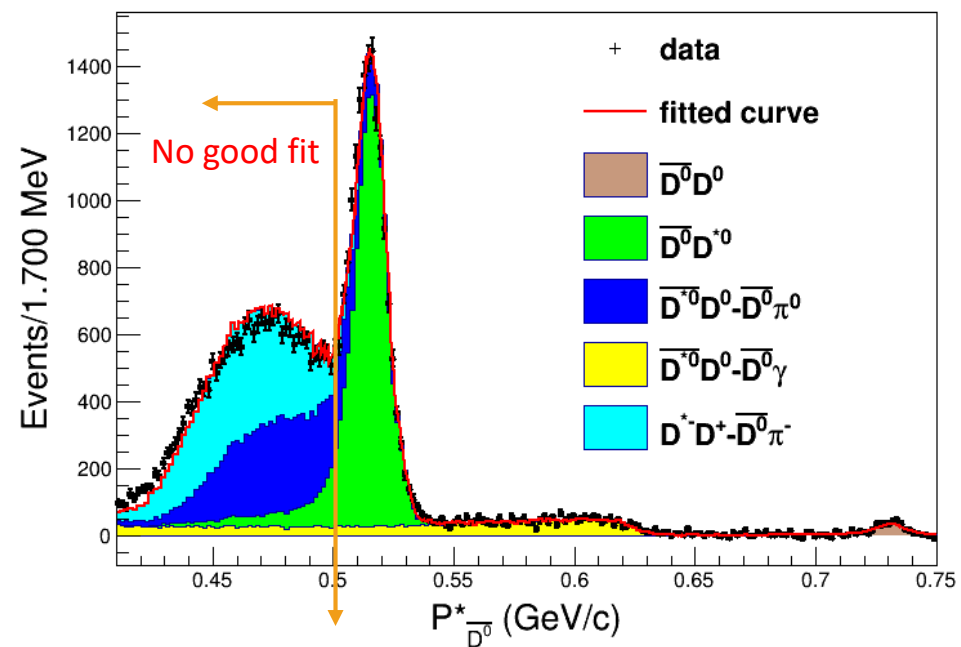


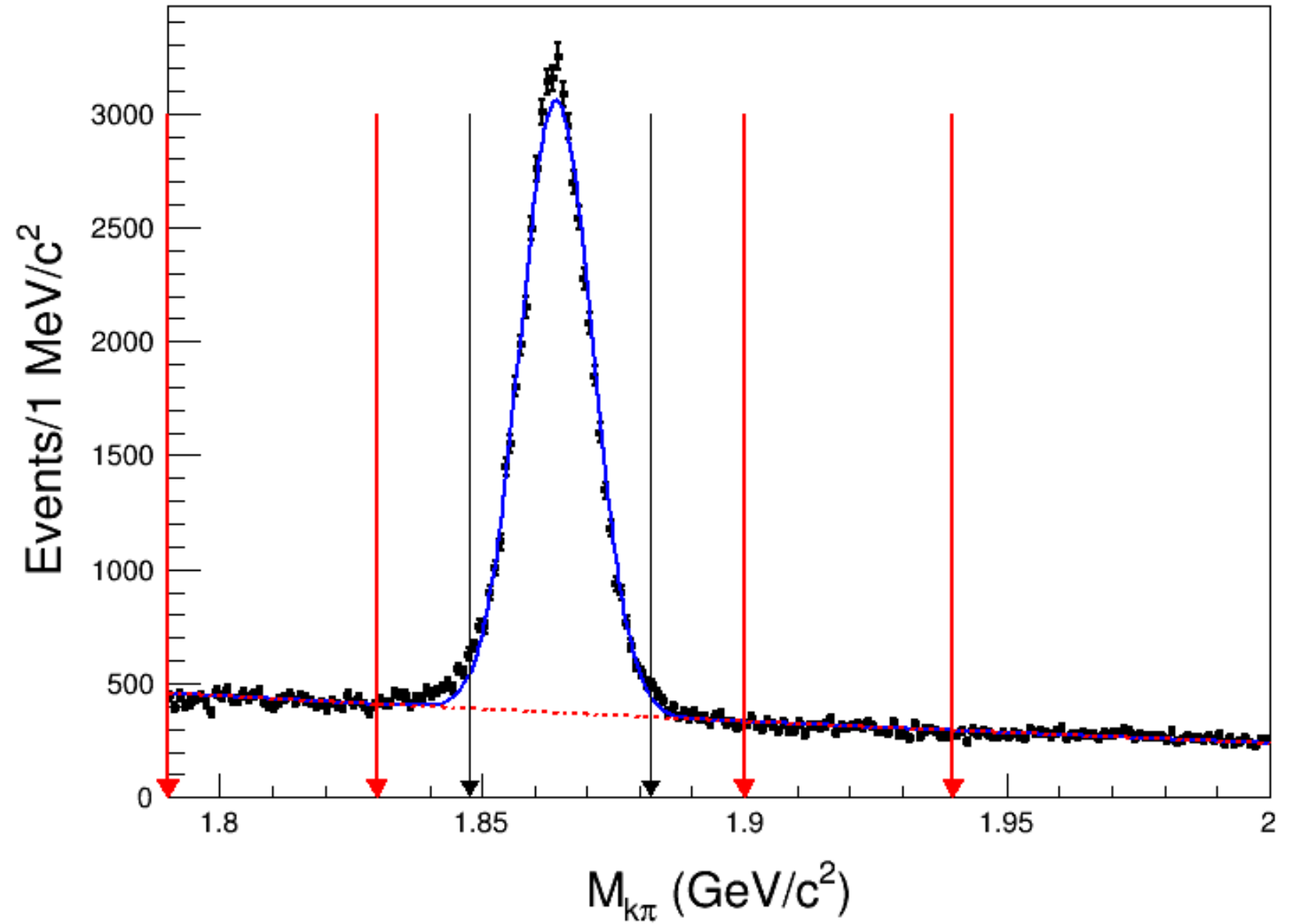


Enlarge the figure

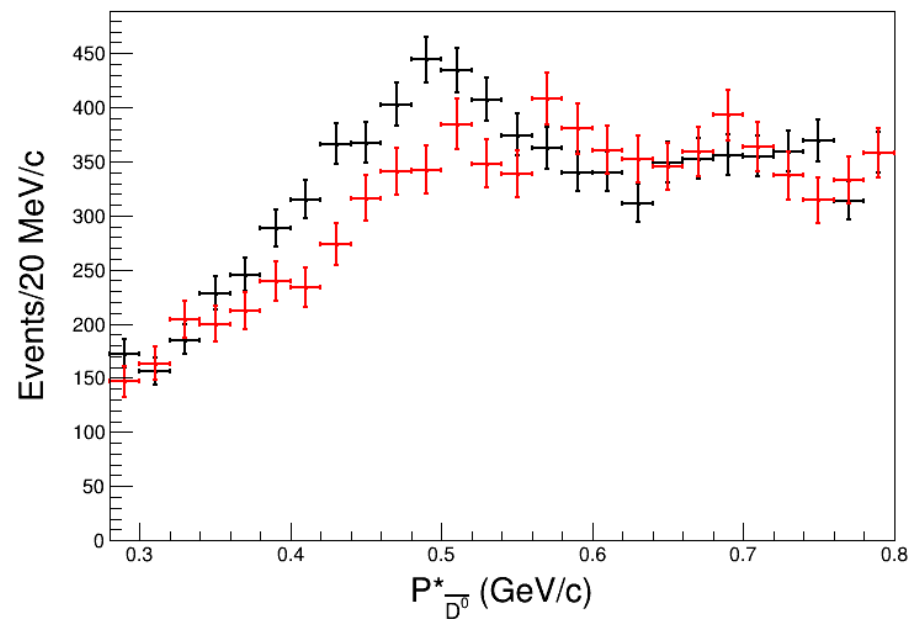
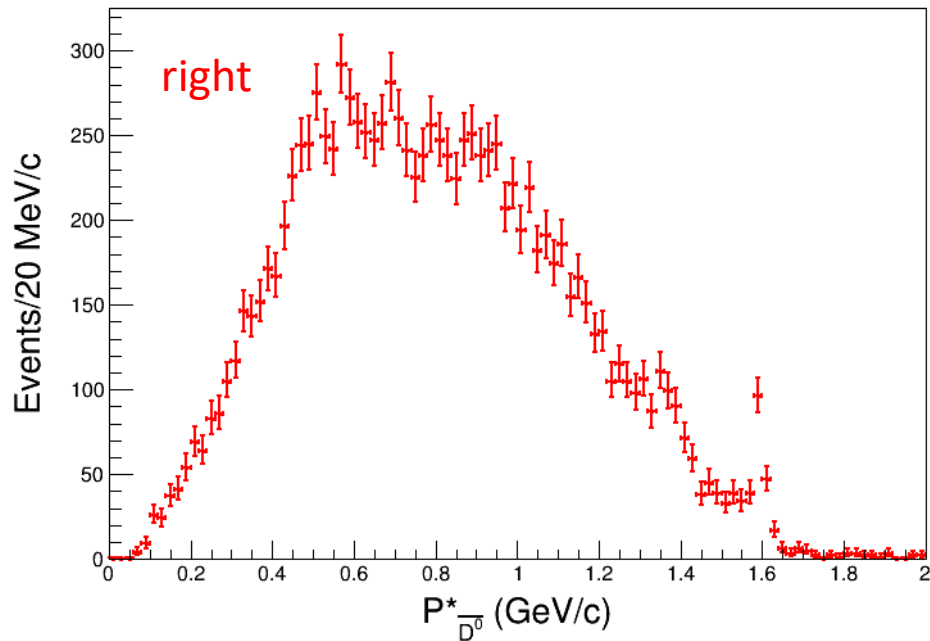
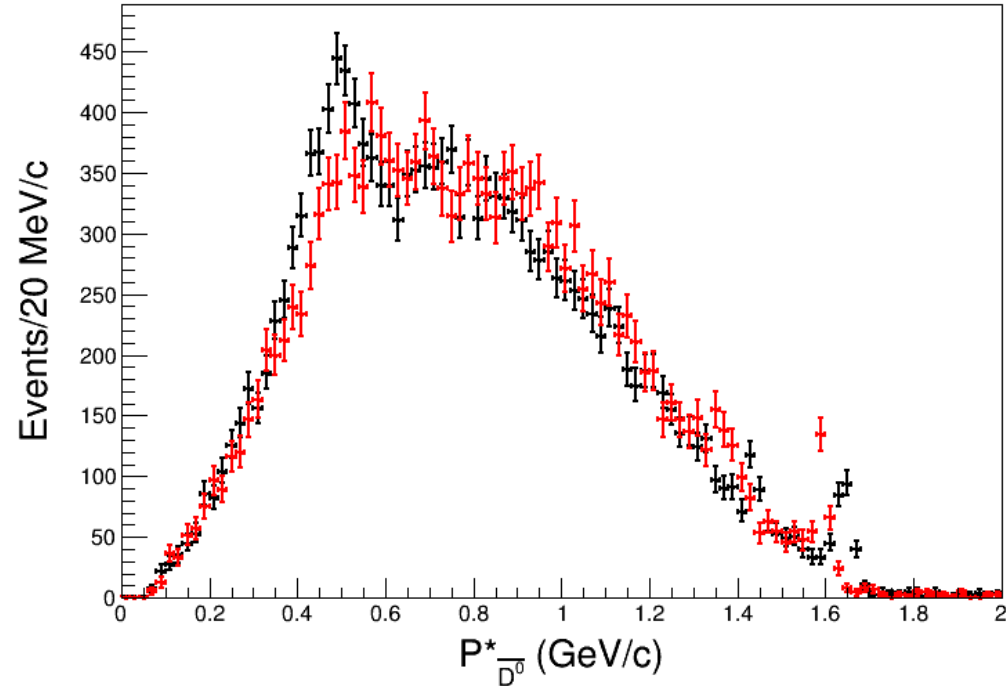
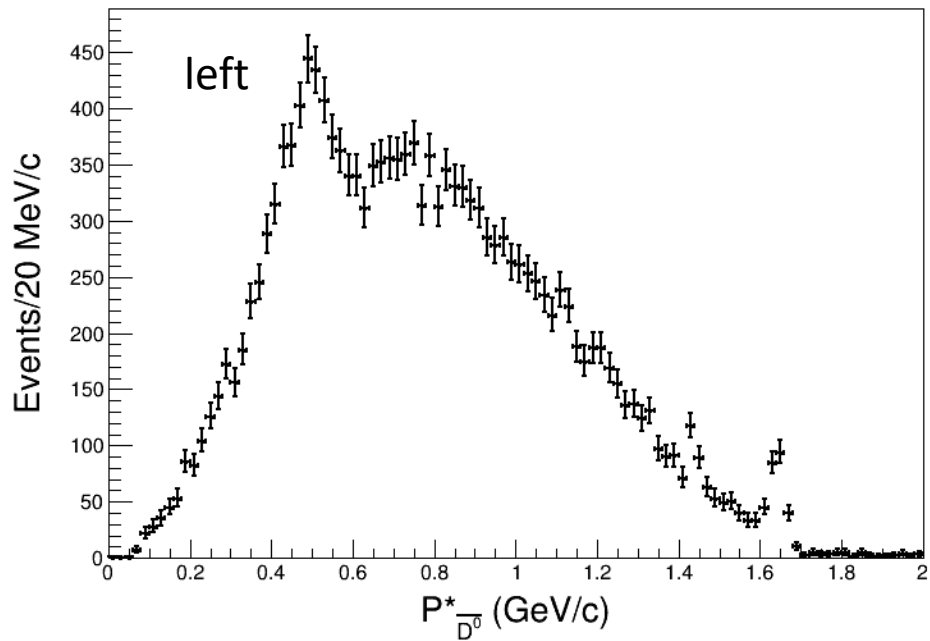


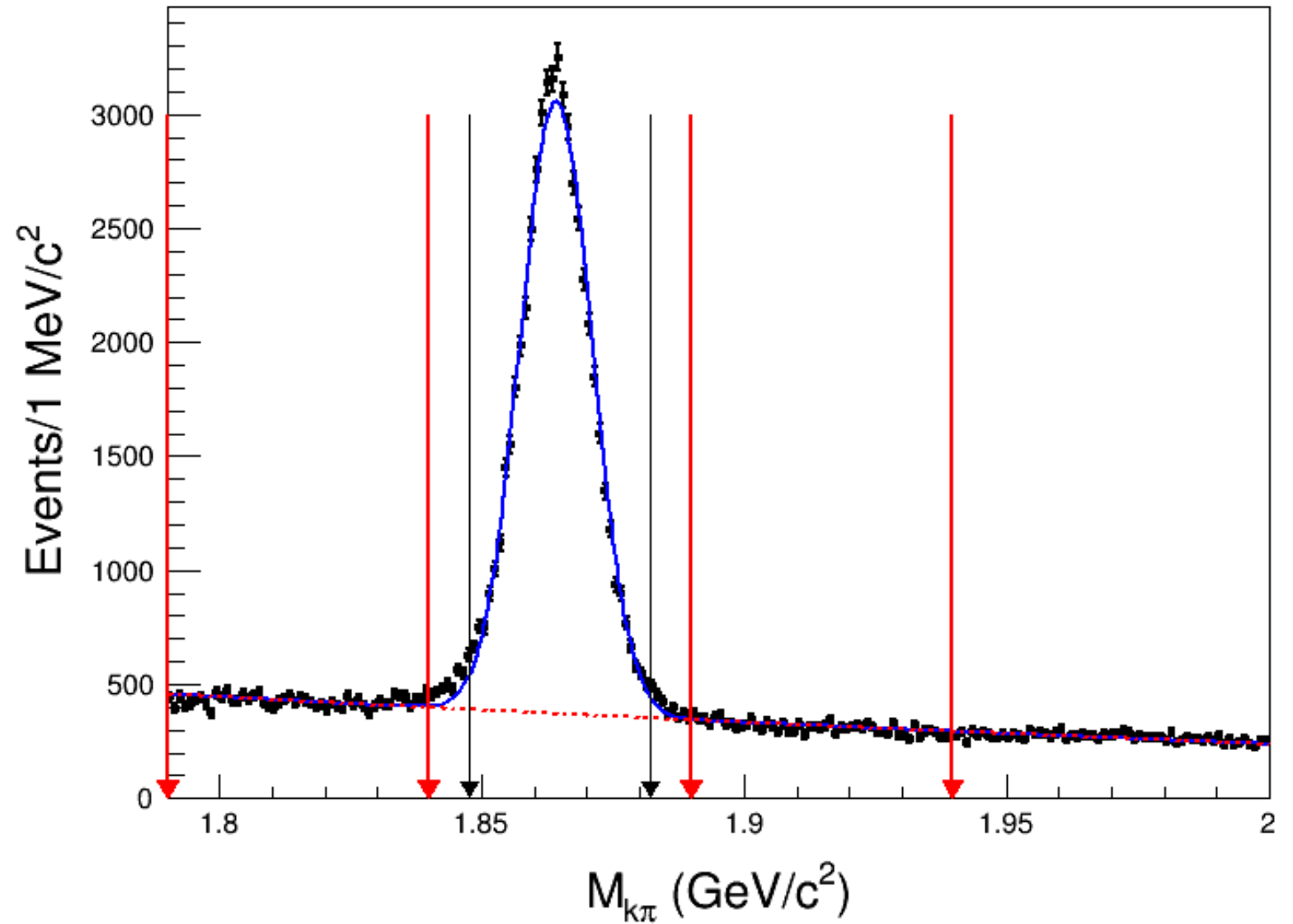
The momentum spectrum of right sideband



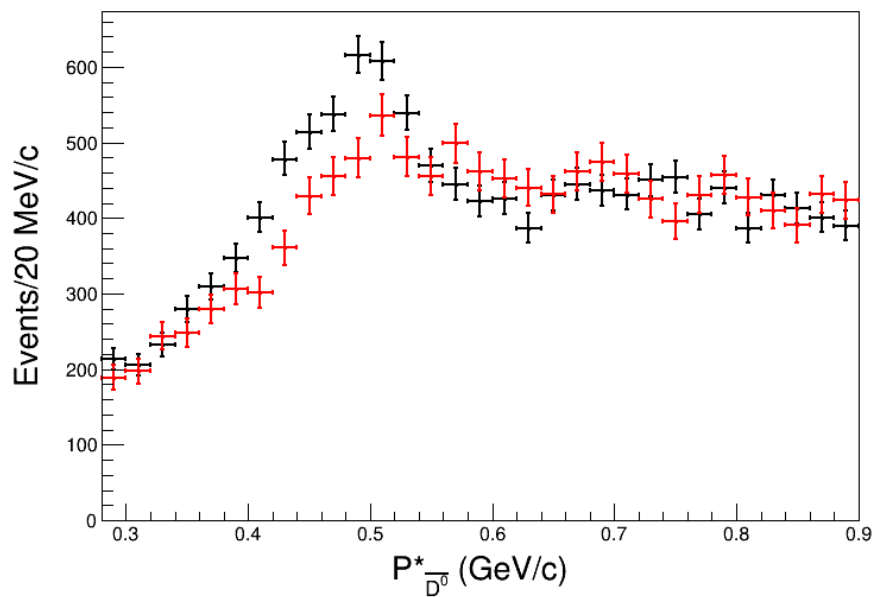
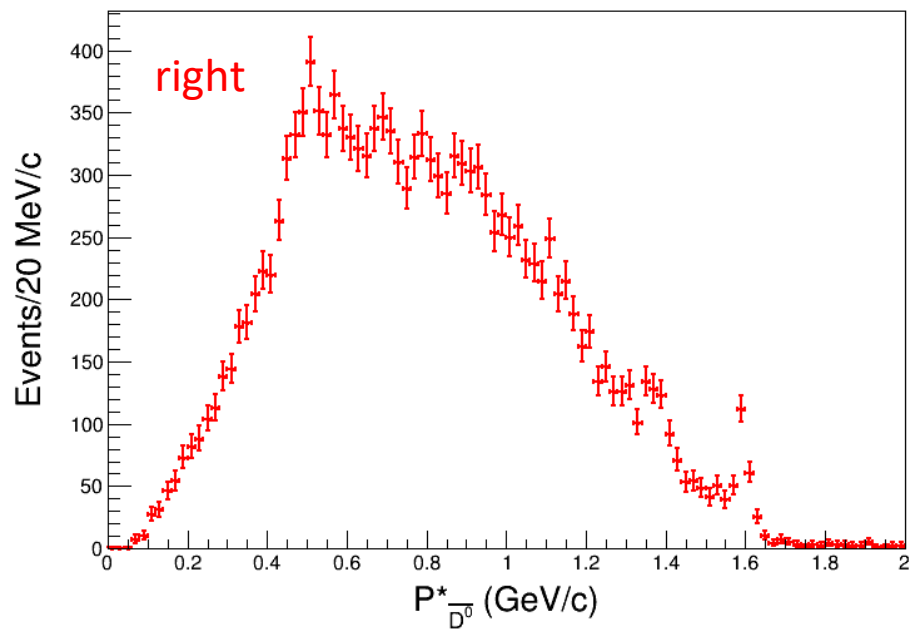
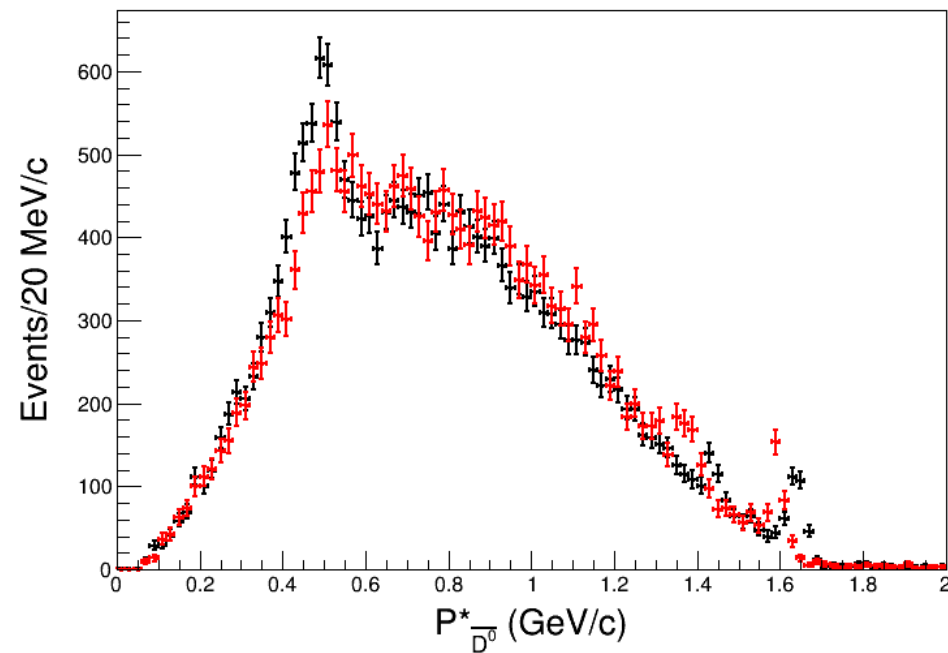
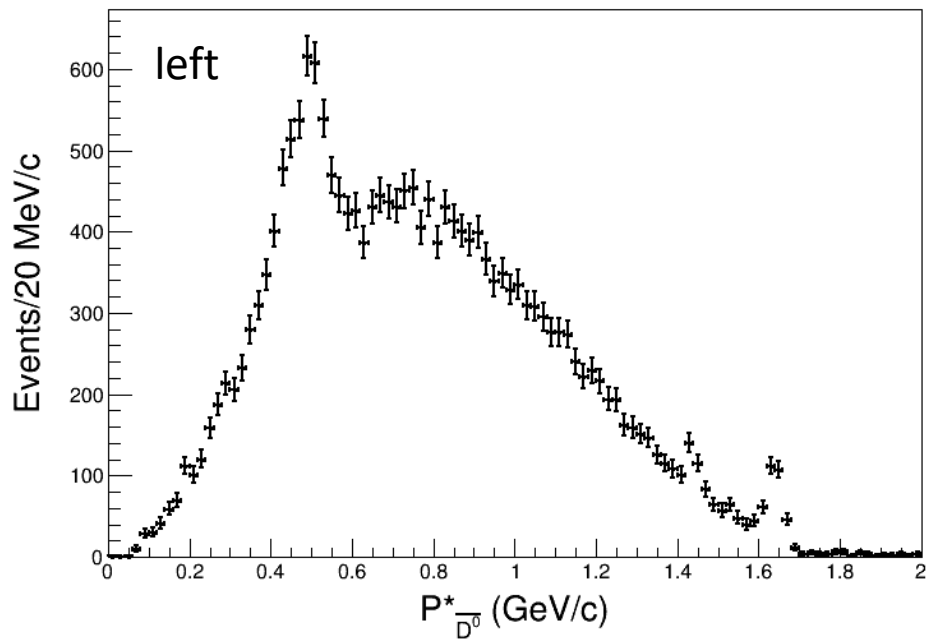


Increase the left and right sideband ranges to reduce the statistical error





Increase the left and right sideband ranges again to reduce the statistical error



The uncertainty of sideband momentum spectrum shape will cause about error of twenty percent

