

Measurement of charm production cross sections in e^+e^- annihilation

Speaker: Yumo Su

March 1, 2017

1 Introduction

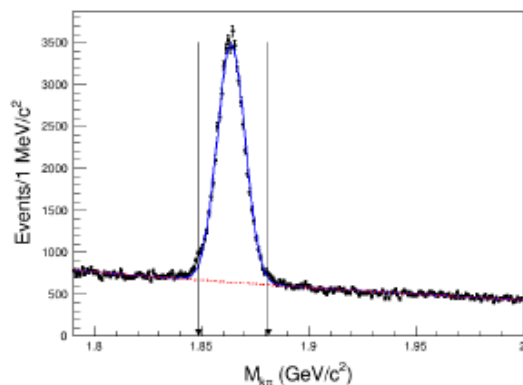
Some basic information of this meeting:

Speaker: Yumo Su

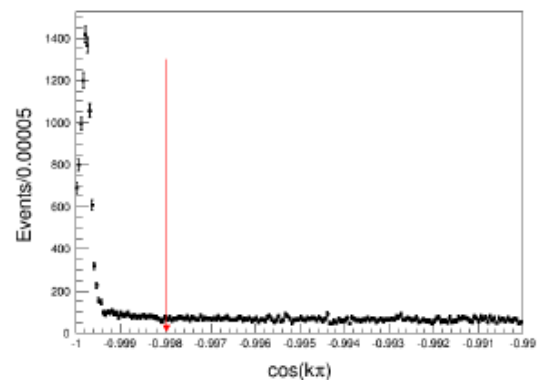
Topic: Measurement of charm production cross sections in e^+e^- annihilation

2 Discussions

2.1 Question on page 7



Invariant mass spectra in data at 4260 MeV for $\bar{D}^0 \rightarrow K^+\pi^-$

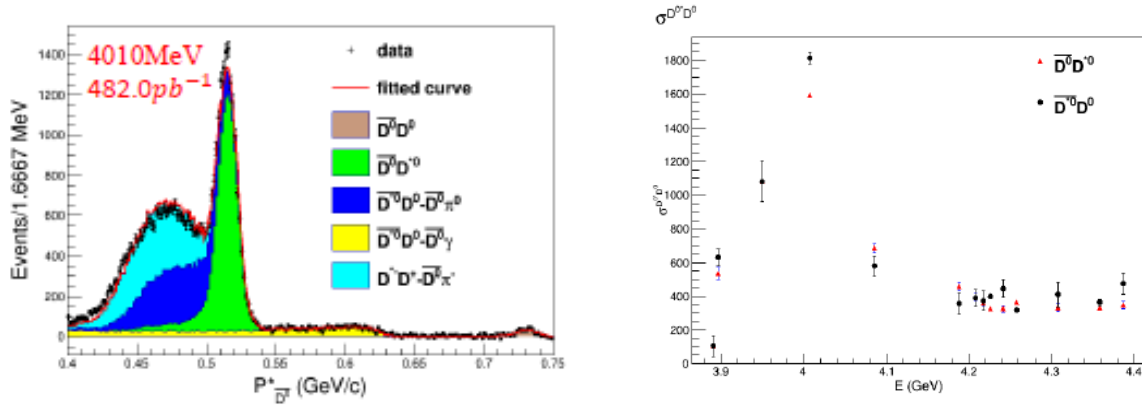


Cosine of angle between K^+ and π^- in data at 4260 MeV

Shi Xin: why there's a peak around -1 on the right plot? And what is the mass window on the left plot?

Su Yumo: The peak events are derived from some QED processes, such as $e^+e^- \rightarrow \gamma \rightarrow e^+e^-$. The mass window is used 2.5σ .

2.2 Question on page 12 and 19



Shi Xin: it seems that the fit is not good on the left plot. It may be a reason why difference in the cross section between $\bar{D}^0 D^{*0}$ and $D^0 \bar{D}^{*0}$ is so big at 4010 MeV on the right plot.

Su Yumo: I will check this problem.

2.3 Question on page 20

Shi Xin: how long will you complete iteration for the first time?

Su Yumo: May be one to two weeks.