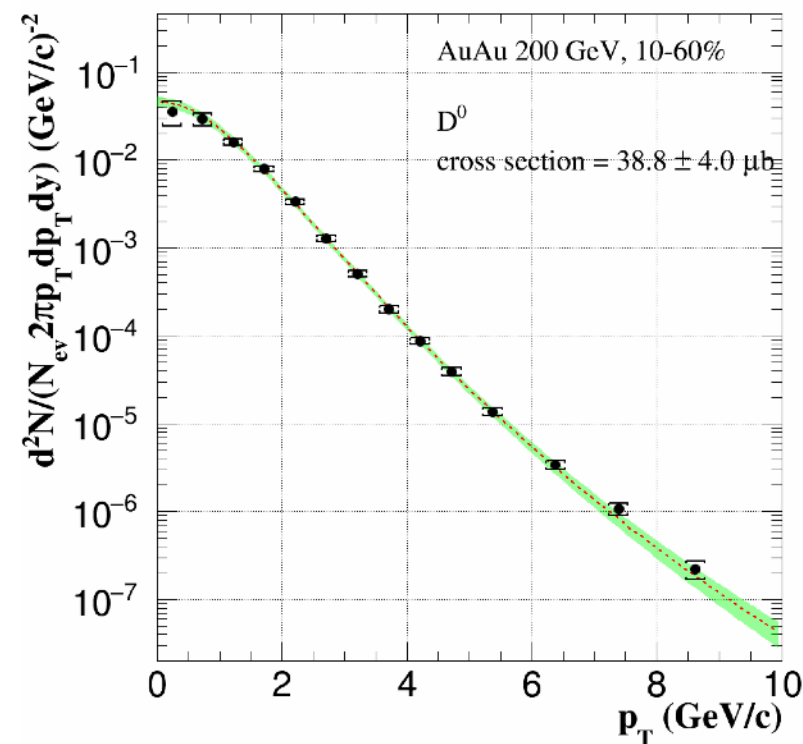
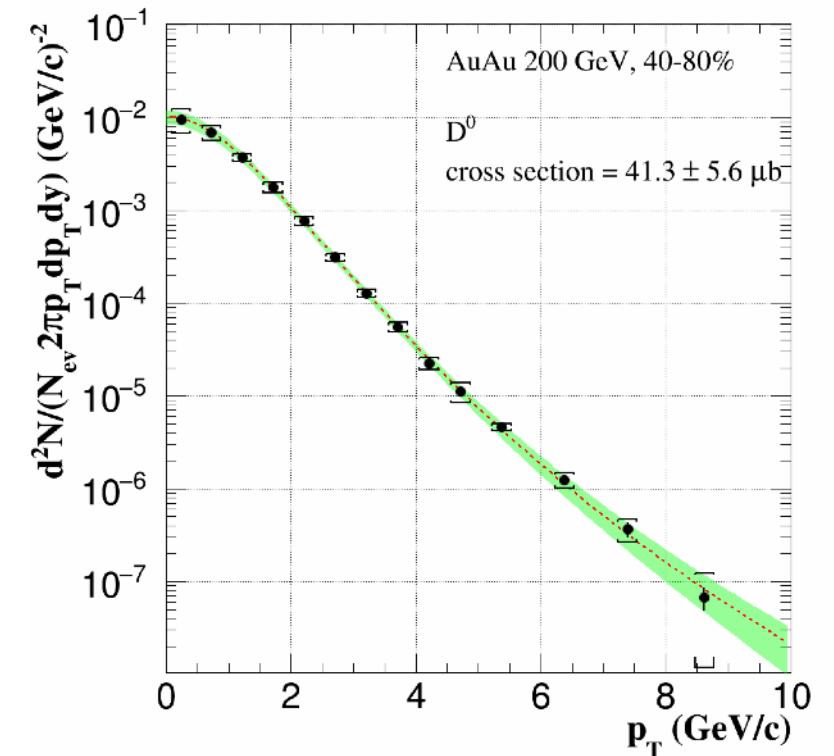
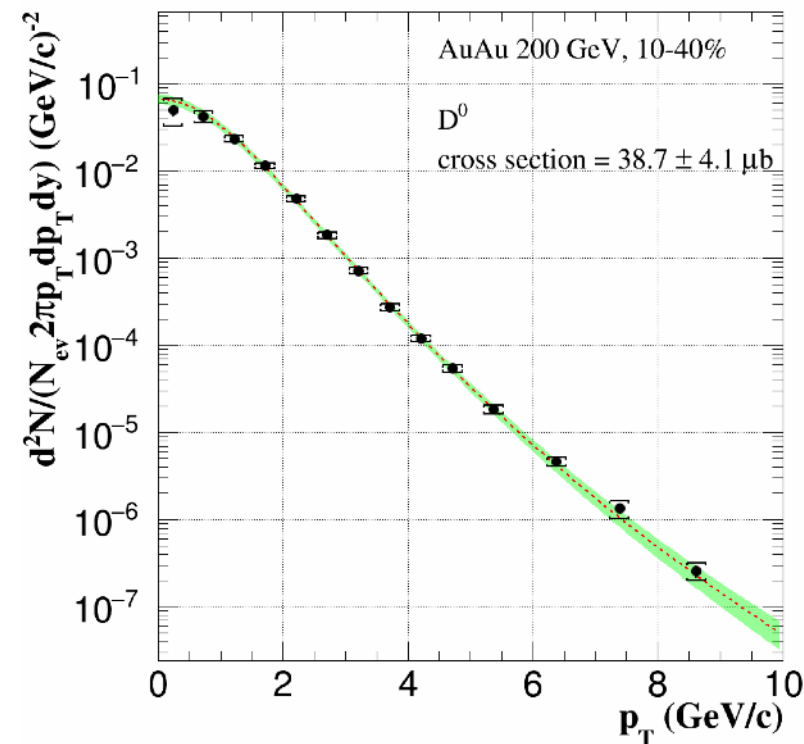
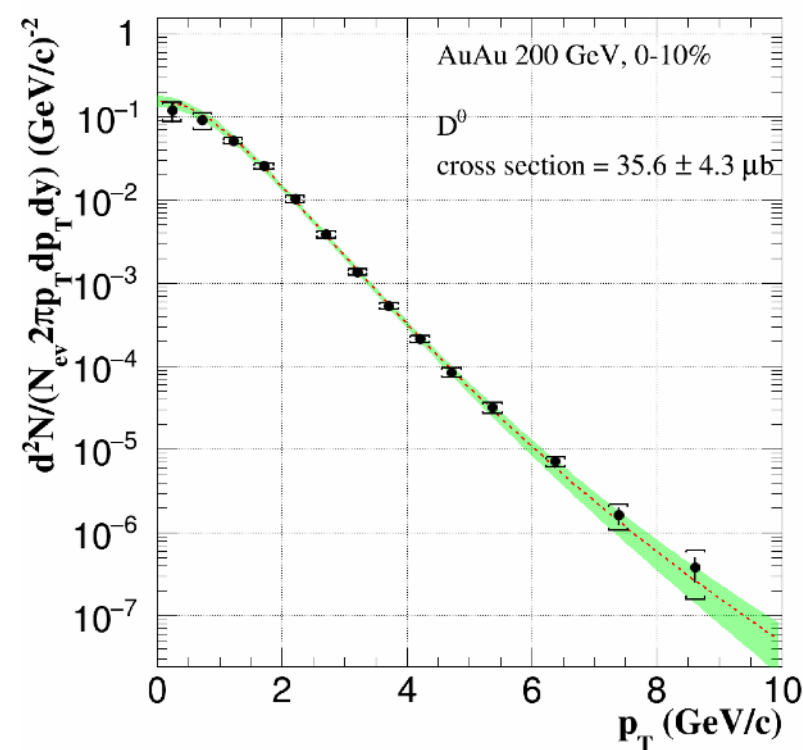


Total Charm Cross Section

2017/6/15

D0



- Error include two parts:

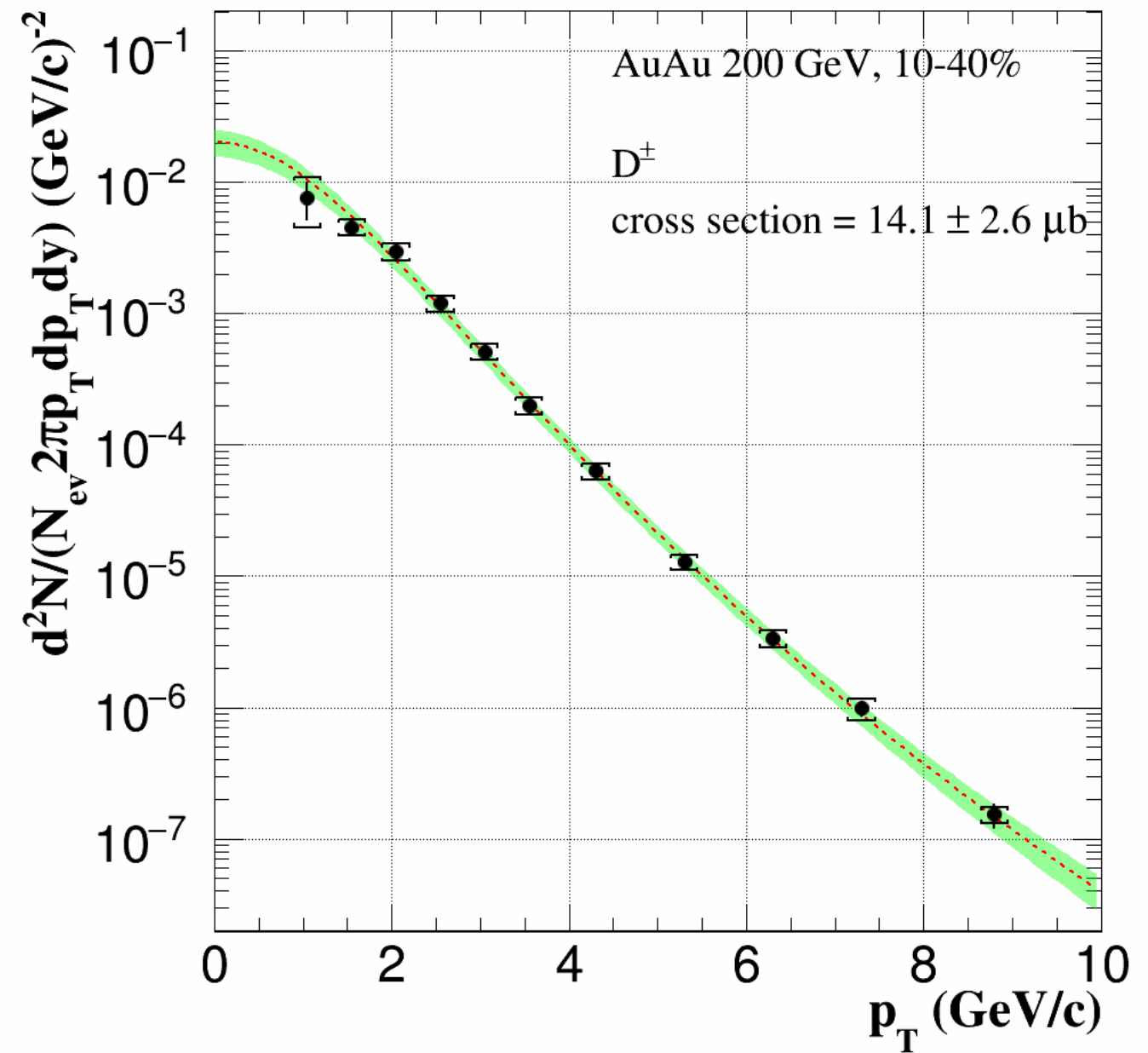
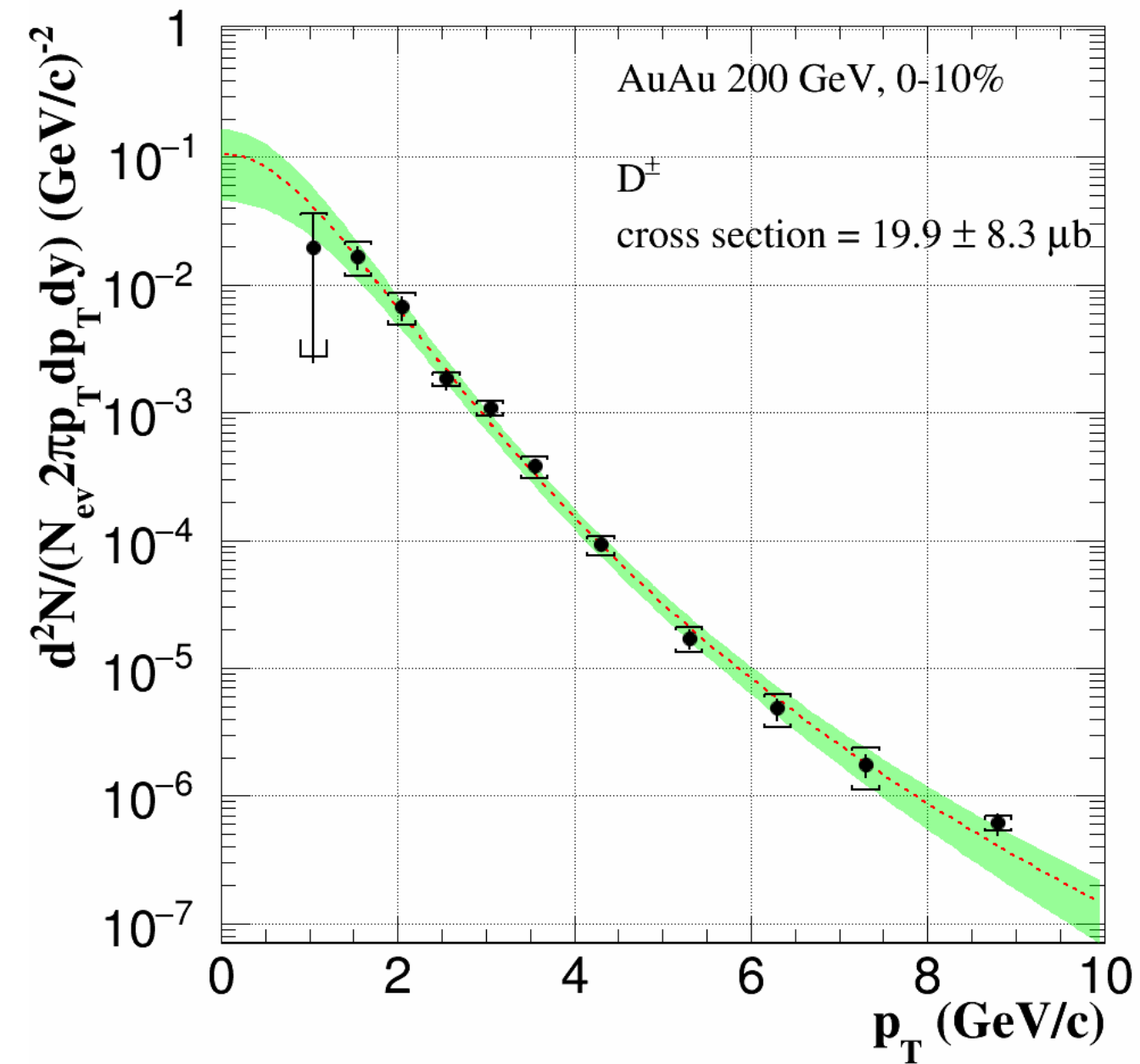
1) from fit

```
(TVirtualFitter::GetFitter())->GetConfidenceIntervals(gBand[icent],0.68);  
gBand[icent]->SetName(Form("flevy_err_band_%s",nameCent1[0]));
```

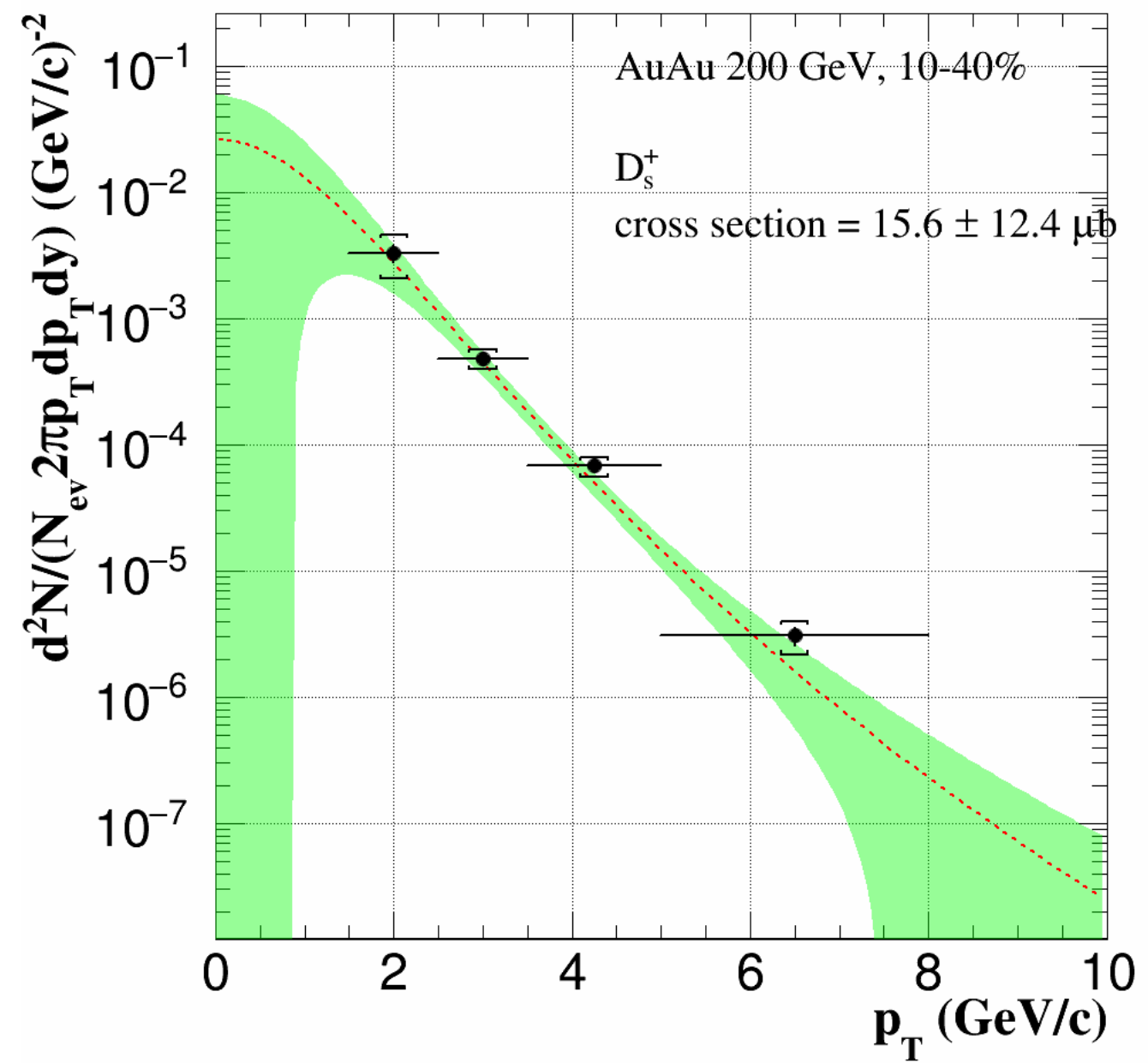
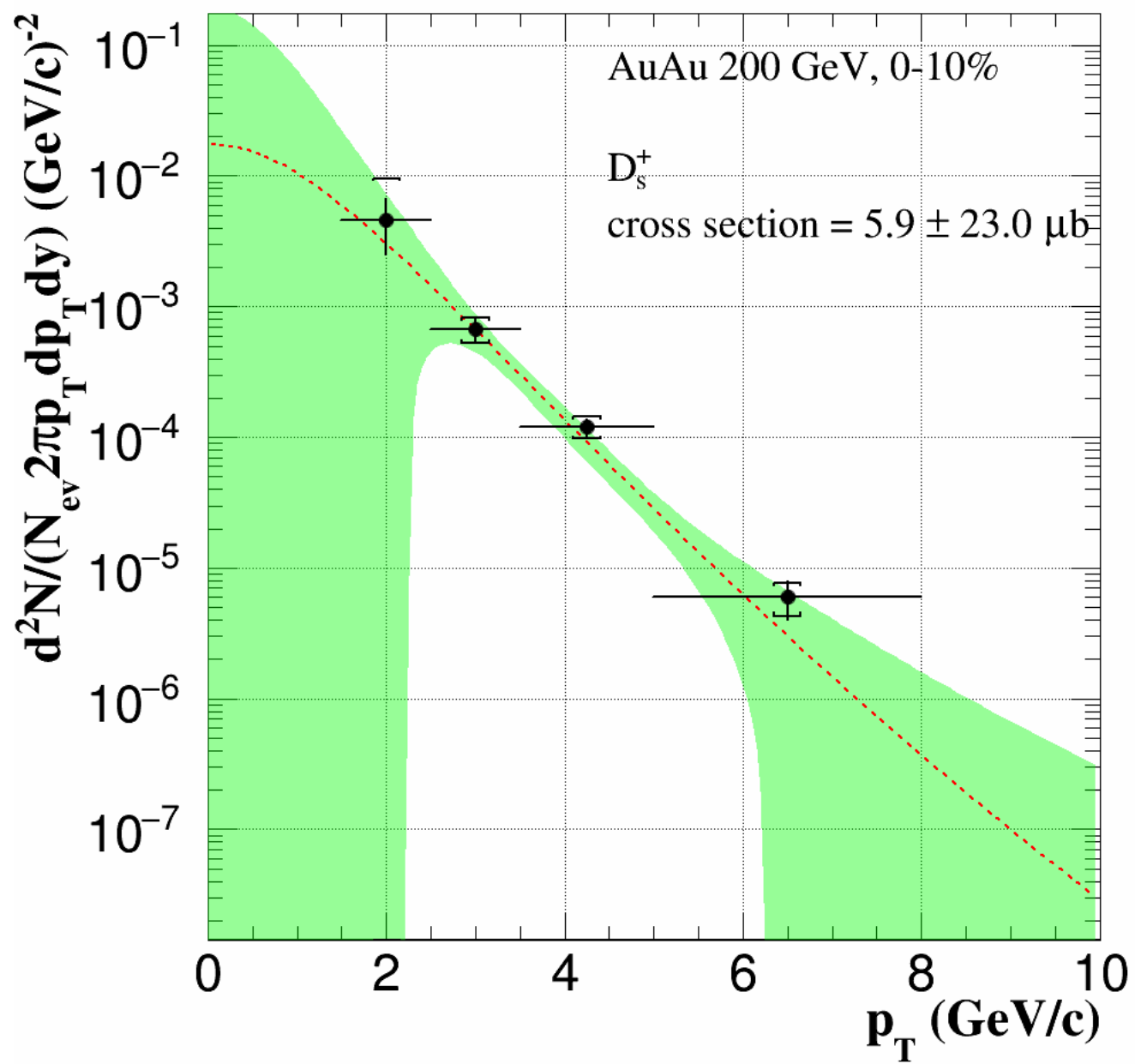
2) sys error

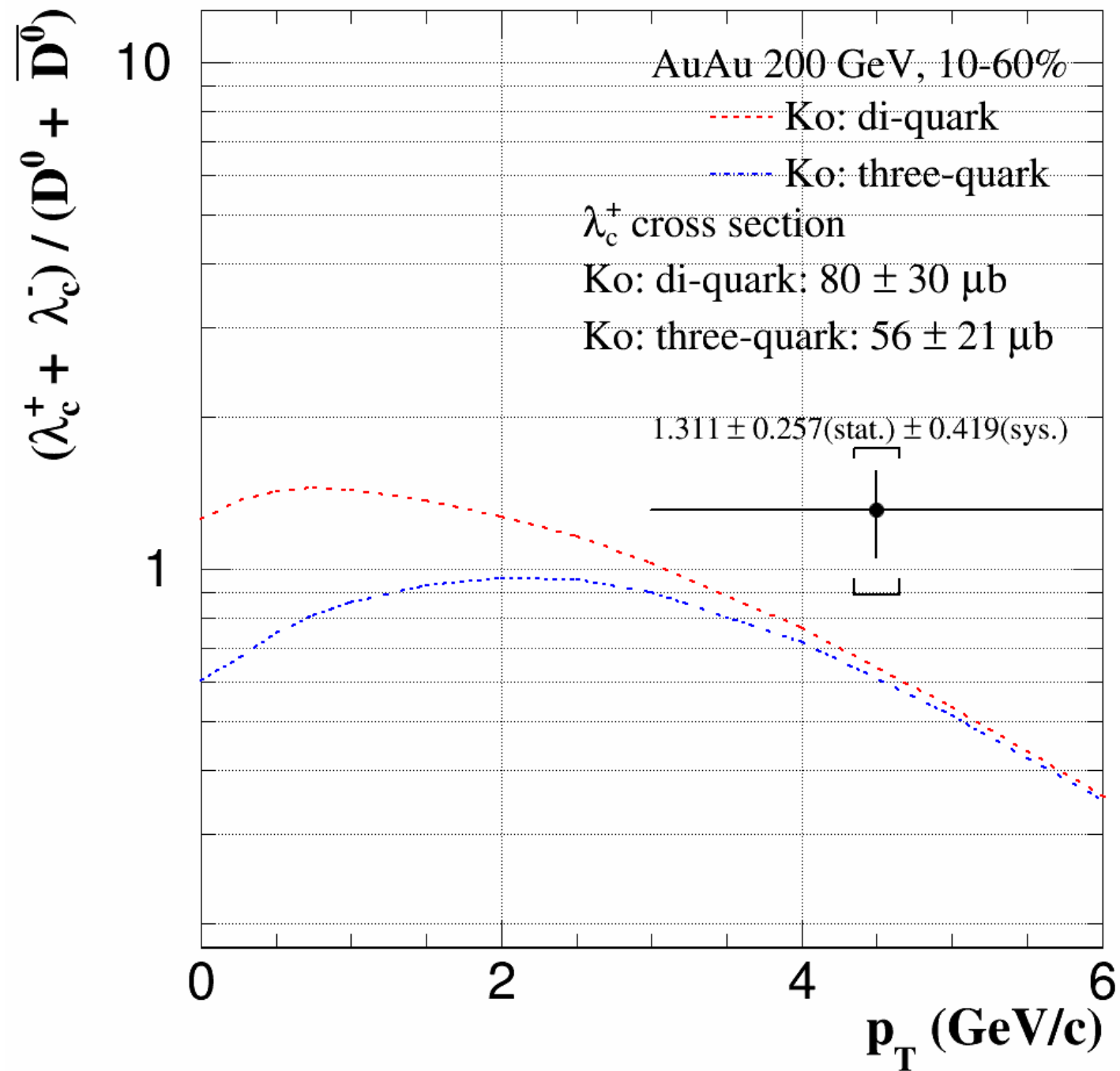
shift every data point up sys. error, and refit,
get the difference.

D+/-



D_s





- Use Lc/D0 shape from model, scale it to the only data point.
- di-quark scale num ~ 1.5
three-quark scale num ~ 1.7

Total charm cross section

10-60% for L_c , 10-40% for others

Charm Hadron	Cross Section (μb)
D^0	39 ± 4
D^-	14 ± 3
D_s	16 ± 12
L_c	80 ± 30 、 56 ± 21
Total	149 ± 33 、 125 ± 25