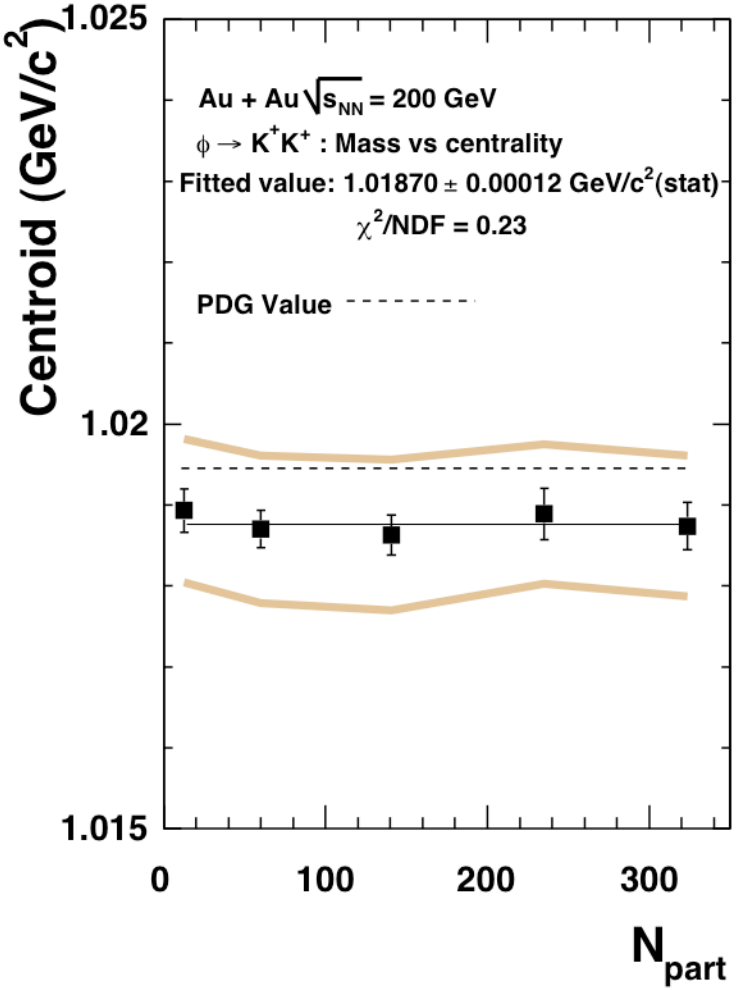
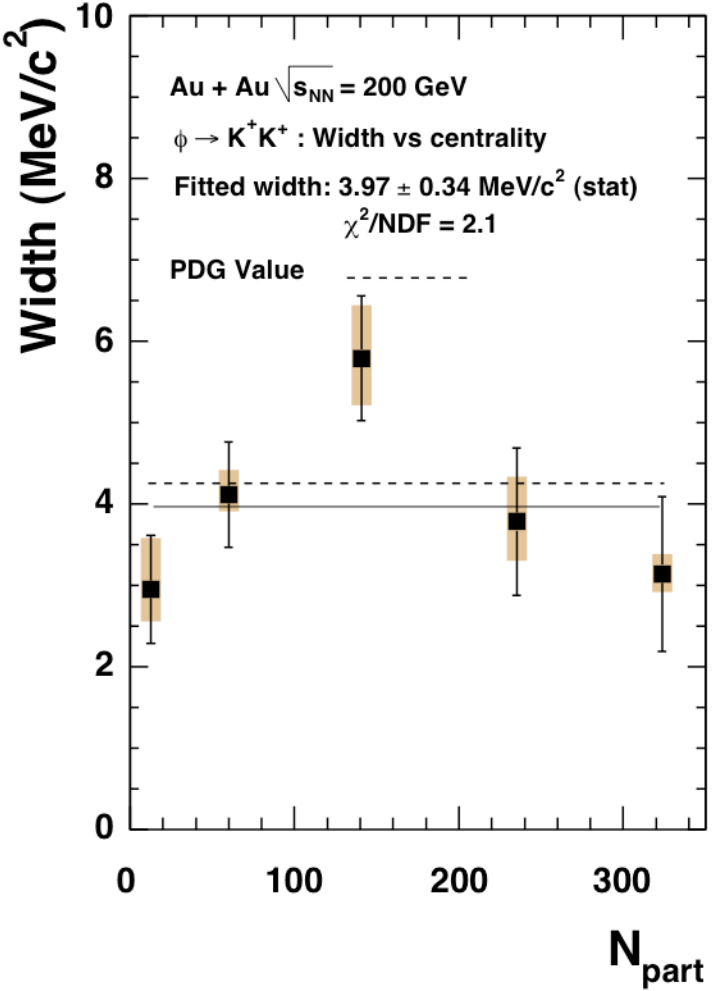

Au + Au $\sqrt{s_{NN}}$ = 200 GeV
$\phi \rightarrow K^+K^+$ : Mass vs centrality
Fitted value: 1.01870 ± 0.00012 GeV/c$^2$(stat)
$\chi^2$/NDF = 0.23
PDG Value
Centroid (GeV/c$^2$)
1.025
1.02
1.015
0
100
200
300
$N_{part}$


Au + Au $\sqrt{s_{NN}}$ = 200 GeV
$\phi \rightarrow K^+K^+$ : Width vs centrality
Fitted width: 3.97 ± 0.34 MeV/c$^2$ (stat)
$\chi^2$/NDF = 2.1
PDG Value
Width (MeV/c$^2$)
10
8
6
4
2
0
0
100
200
300
$N_{part}$