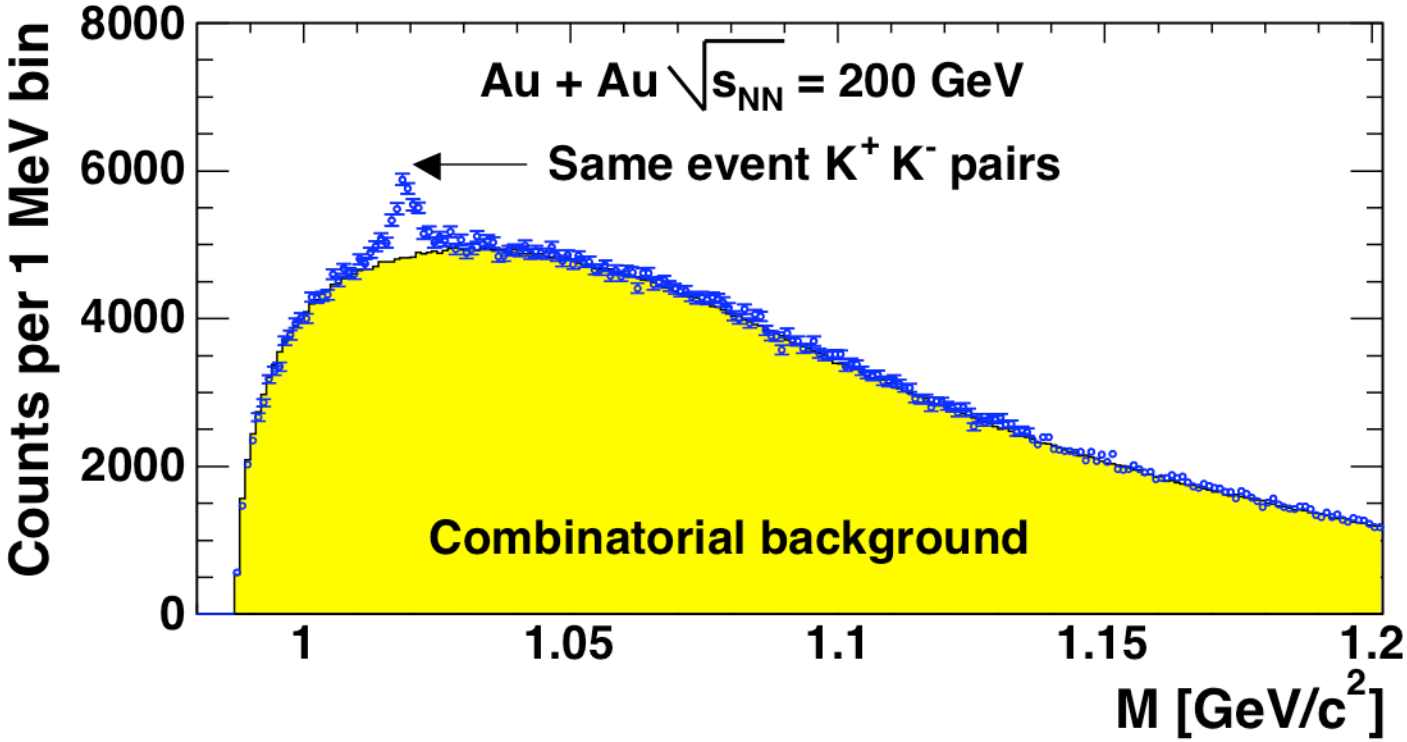
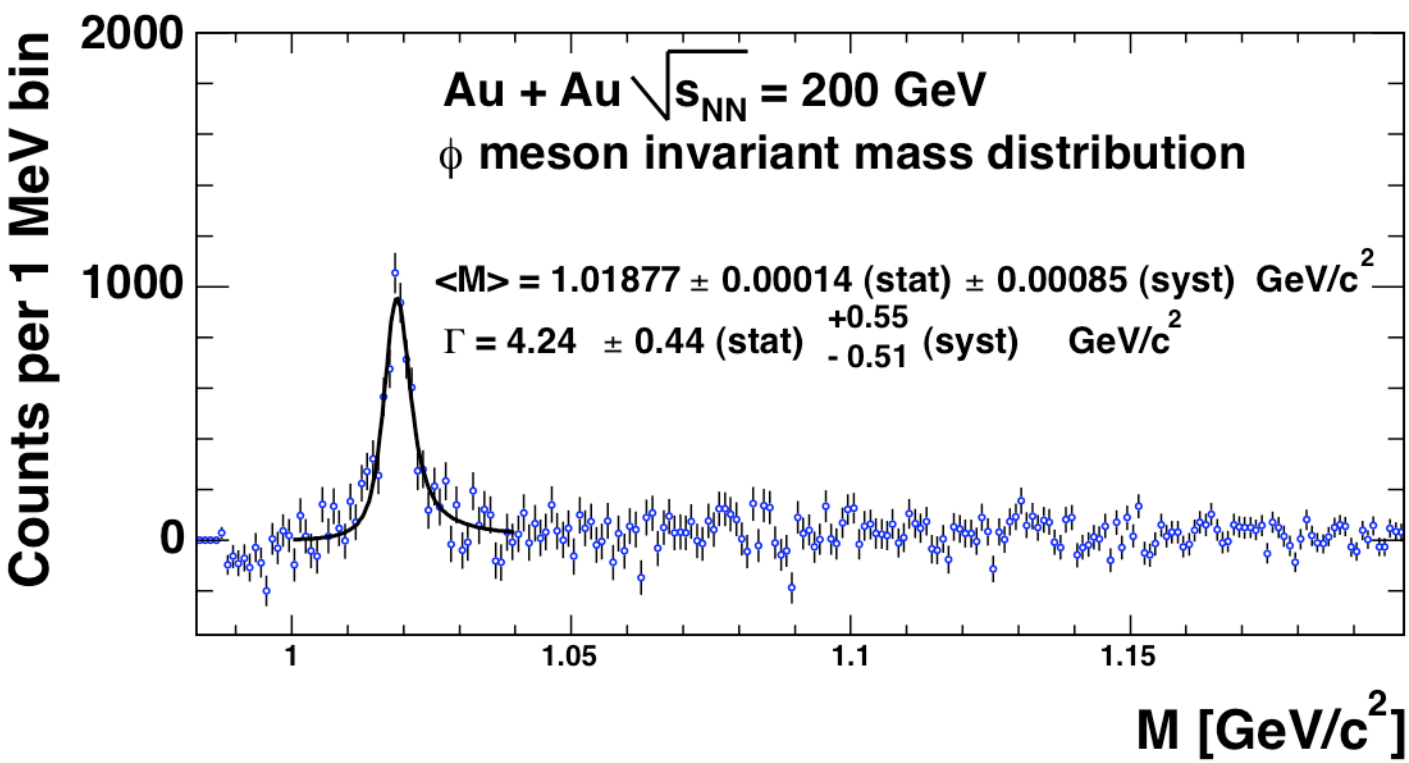

Au + Au $\sqrt{s_{NN}}$ = 200 GeV
Same event $K^+ K^-$ pairs
Combinatorial background
Counts per 1 MeV bin
M [GeV/c^2]


Au + Au $\sqrt{s_{NN}}$ = 200 GeV
ϕ meson invariant mass distribution
<M> = 1.01877 ± 0.00014 (stat) ± 0.00085 (syst) GeV/c^2
Γ = 4.24 ± 0.44 (stat) $^{+0.55}_{-0.51}$ (syst) GeV/c^2
Counts per 1 MeV bin
M [GeV/c^2]