Low mass $K^+K^-\pi^0$

Update

- Updated my versin of AmpTools to 0.14.5
- Sent code and data to Tyler P. Viducic

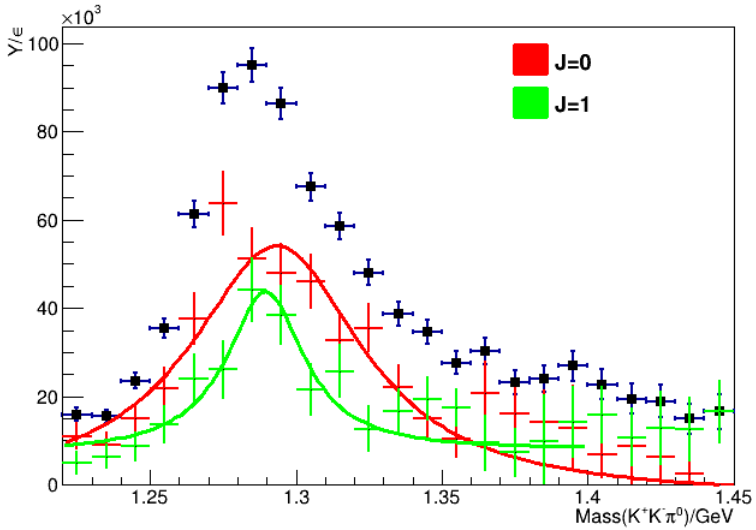
Choice of included amplitudes

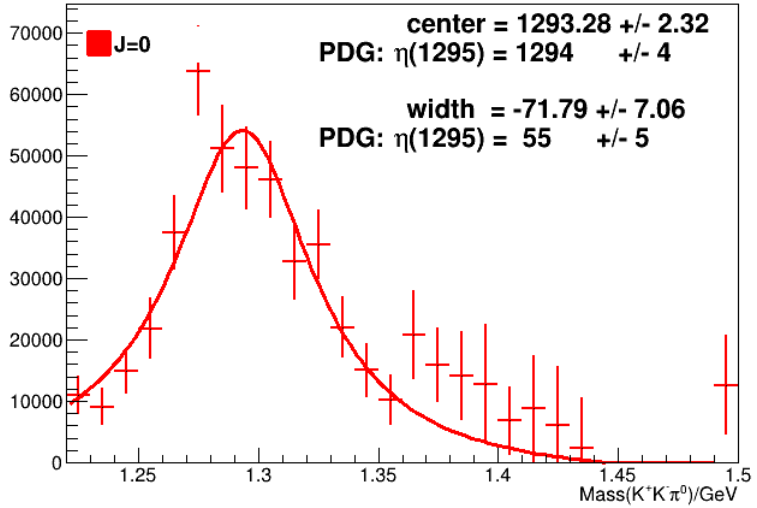
Definitions:

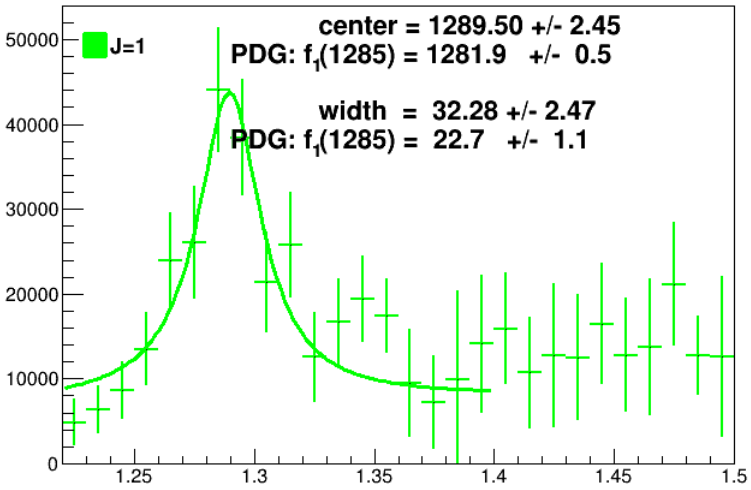
- l is orbital angular momentum quantum number for meson → Isobar π
- Isobar is K^+K^- and s is angular momentum quantum number for the isobar
- $J_0 \rightarrow a_0\pi$: $j,l,s = (0,0,0)$
- $J_1 \rightarrow a_0\pi$: $j,l,s = (1,1,0)$ coherently adding $J_z = -1, 0, +1$
- $J_0 \rightarrow KK\pi$: $j,l,s = (0,1,1)$ ignoring $j,l,s = (0,0,0)$ for now
- $J_1 \rightarrow KK\pi$: $j,l,s = (1,1,0), (1,0,1)$ coherently added along with each $J_z = -1, 0, +1$

NOTE: Using brackets to denote coherent addition. For example, $[J_0 \rightarrow a_0\pi,\ J_1 \rightarrow a_0\pi]$ means coherent addition of the J_0 and J_1 states, whereas $J_0 \rightarrow a_0\pi,\ J_1 \rightarrow a_0\pi$ would represent an incoherent addition

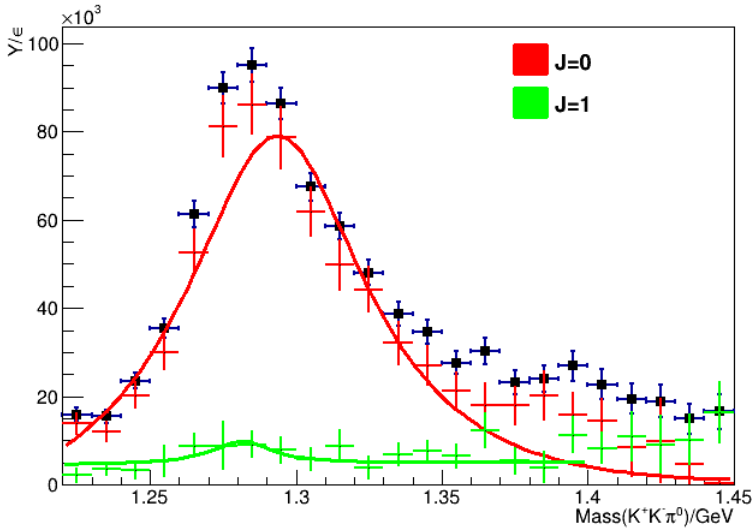
Amplitudes: $J_0 \rightarrow a_0\pi$, $J_1 \rightarrow a_0\pi$

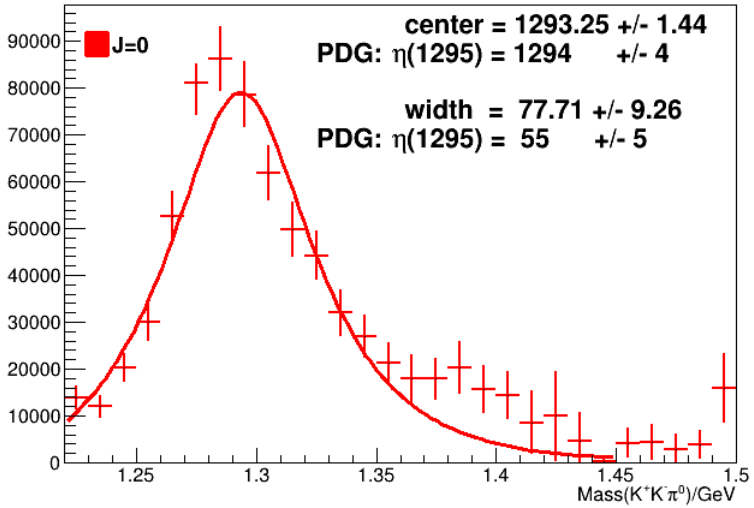


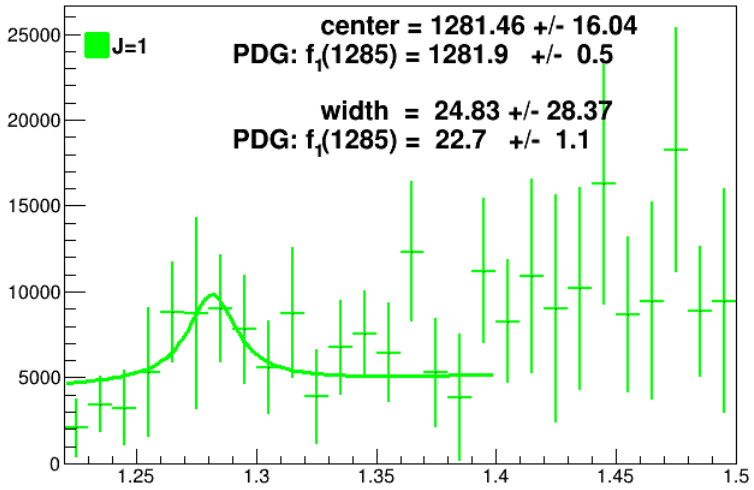




Amplitudes: $[J_0 \rightarrow a_0\pi,\ J_1 \rightarrow a_0\pi]$

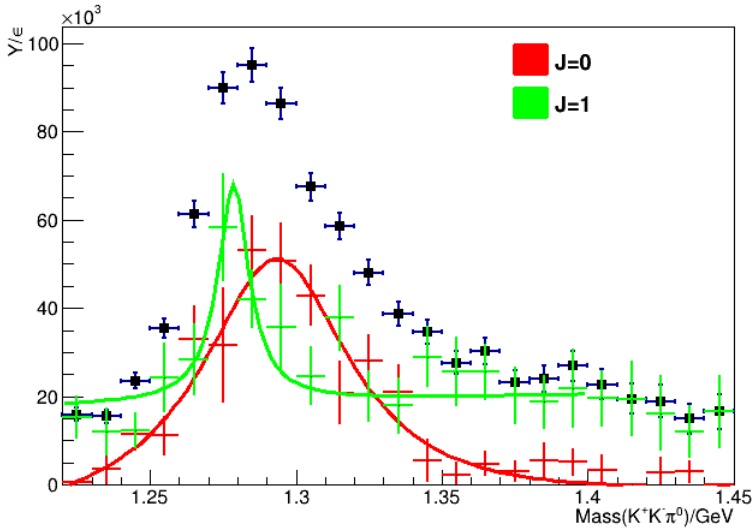


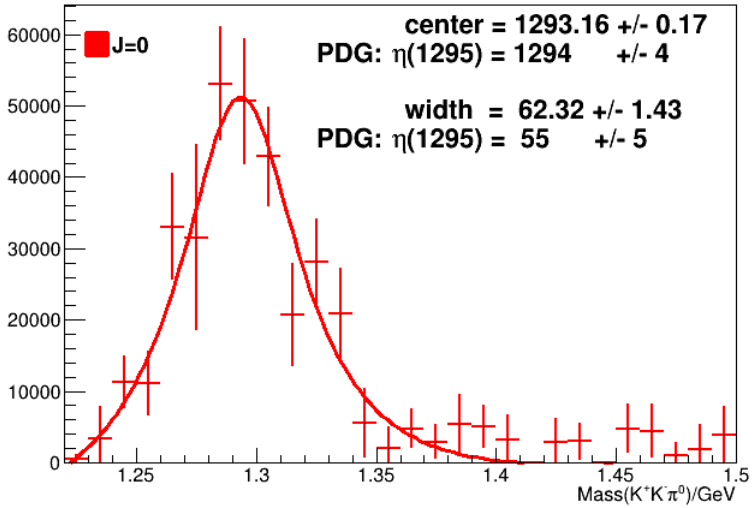


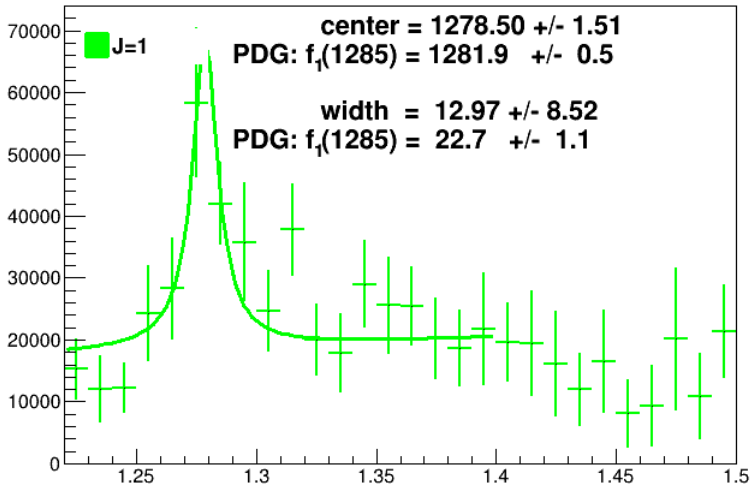


ASU

Amplitudes: $[J_0 \to a_0\pi,\ J_1 \to a_0\pi],\ J_1 \to KK\pi$

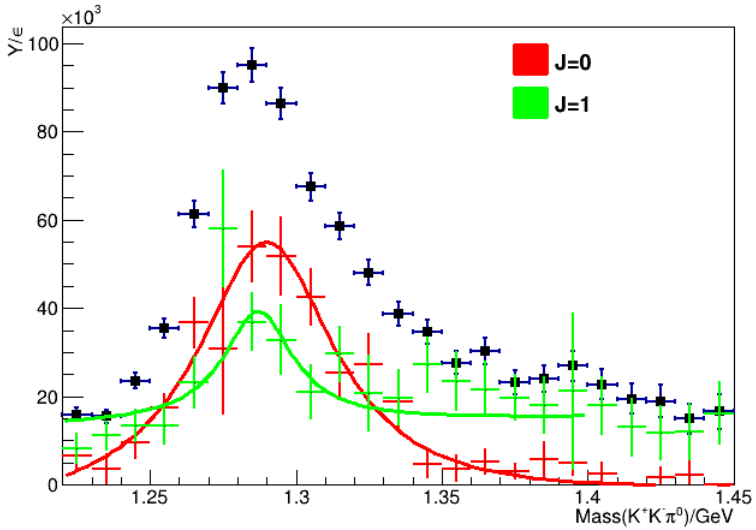


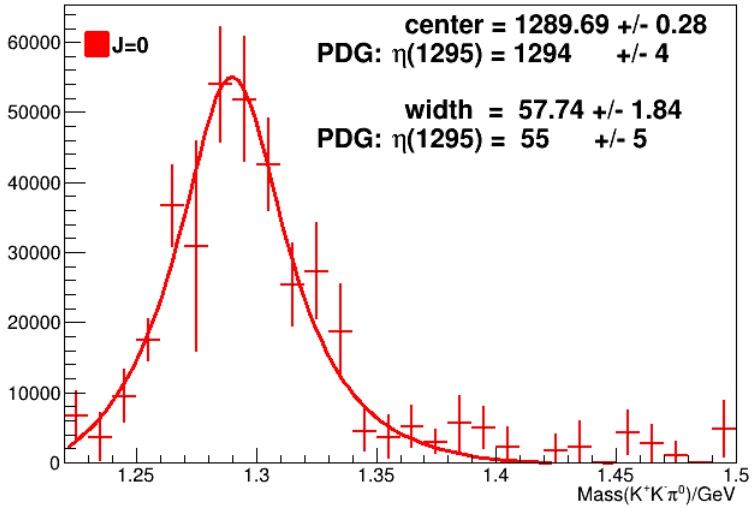


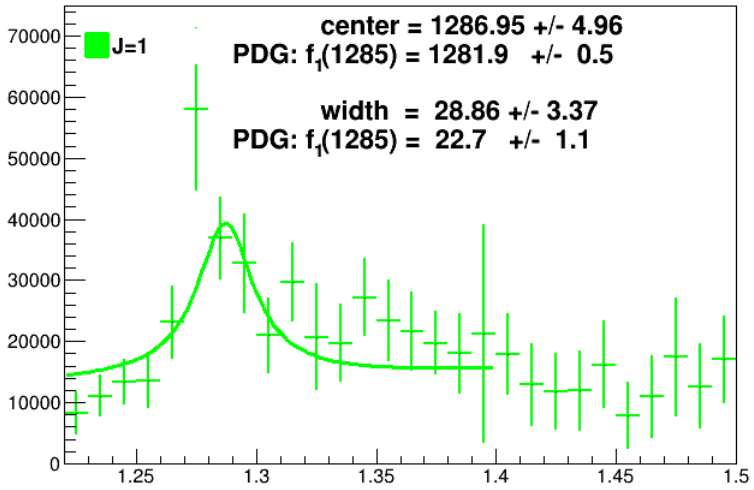


ASU

Amplitudes: $[J_0 \to a_0\pi,\ J_1 \to a_0\pi]$, $[J_1 \to KK\pi,\ J_0 \to KK\pi]$







ASU

Title