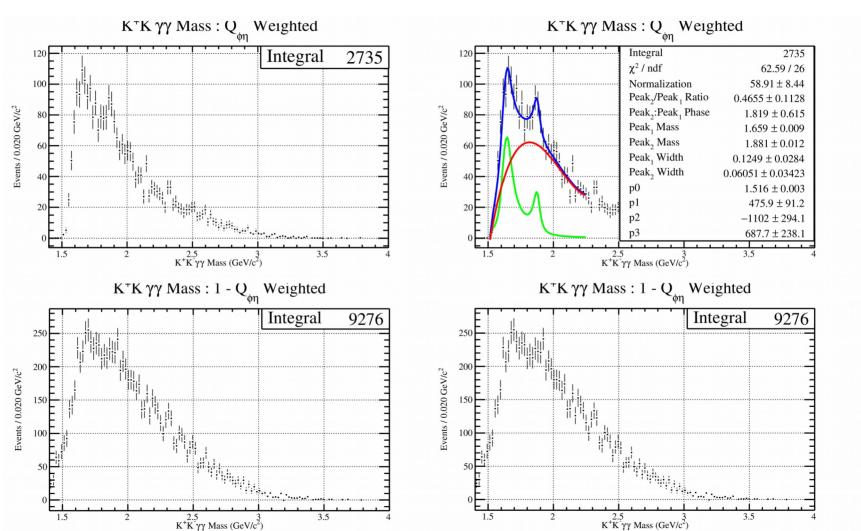
Cut Studies

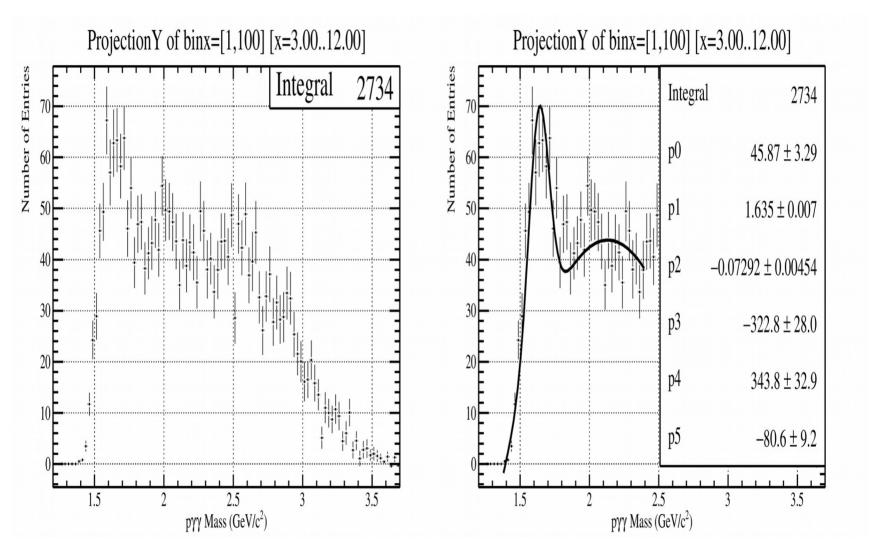
- Three Cuts Are Studied With Data:
 - Beam Energy @ 7.5 GeV
 - Angle of Eta Meson @ 18 degrees
 - N* Mass Cut @ 1.8 GeV/c^2

I look at PhiEta and N* Invariant Mass Plots

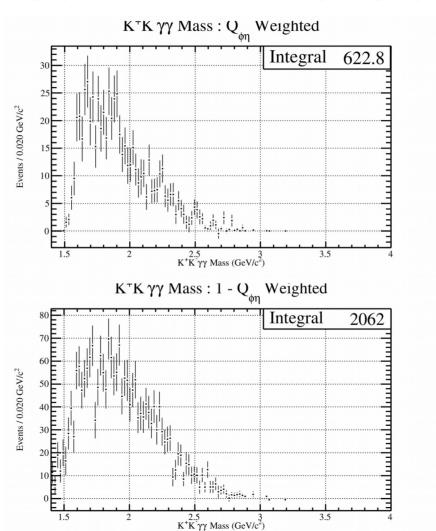
All Data



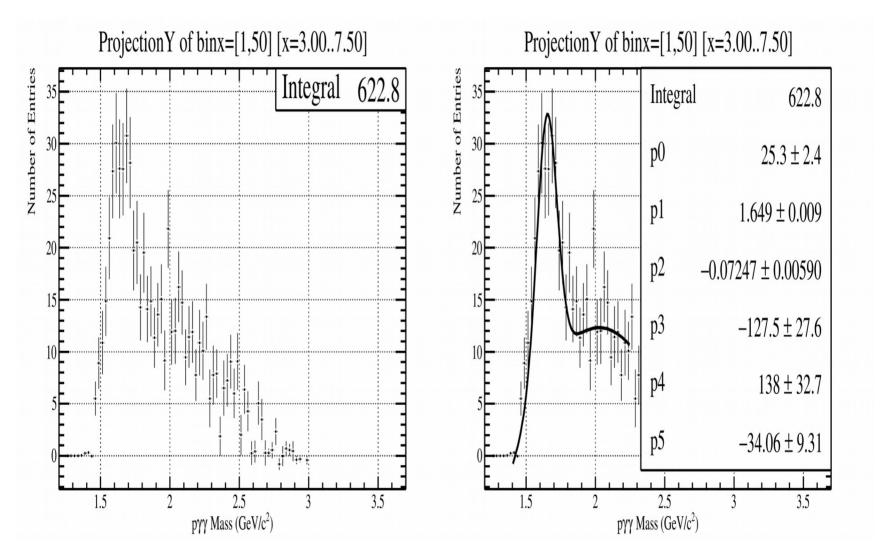
All Data



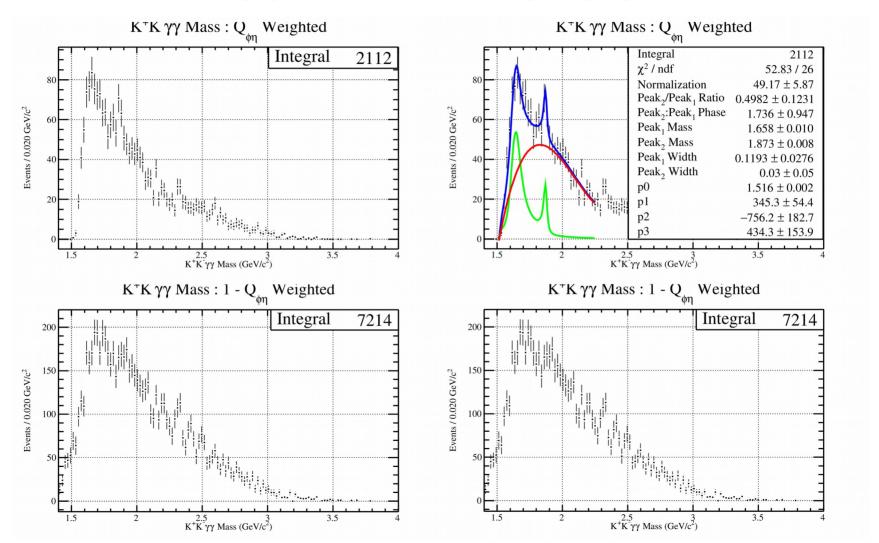
Beam E < 7.5 GeV



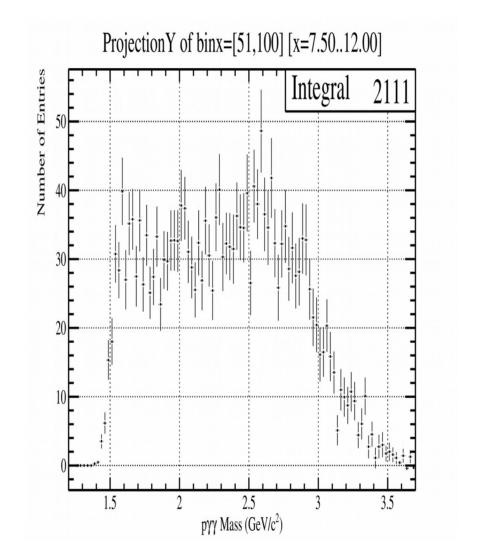
Beam E < 7.5 GeV



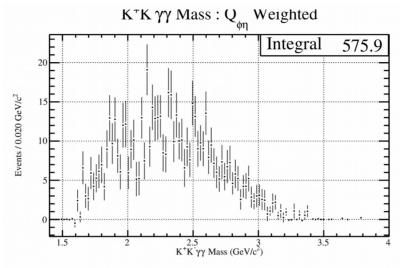
Beam E > 7.5 GeV

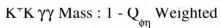


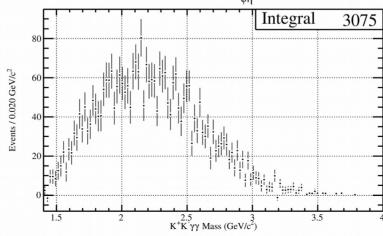
Beam E > 7.5 GeV



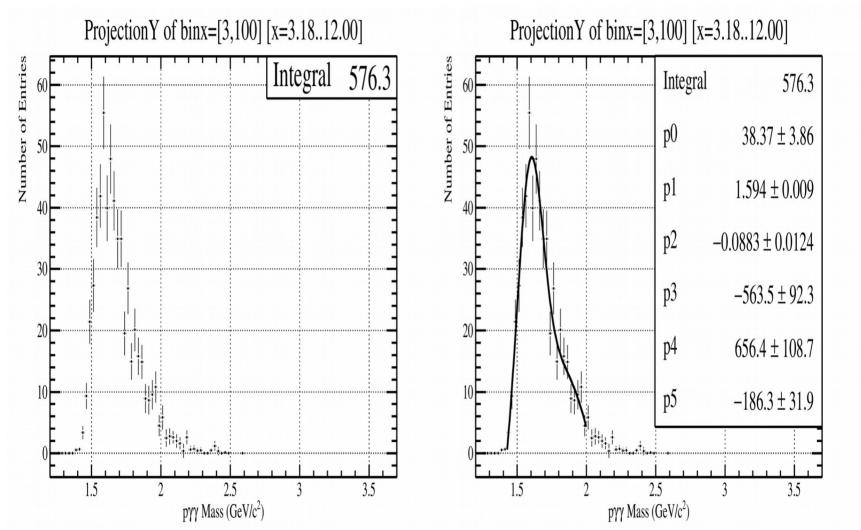
Theta > 18 deg



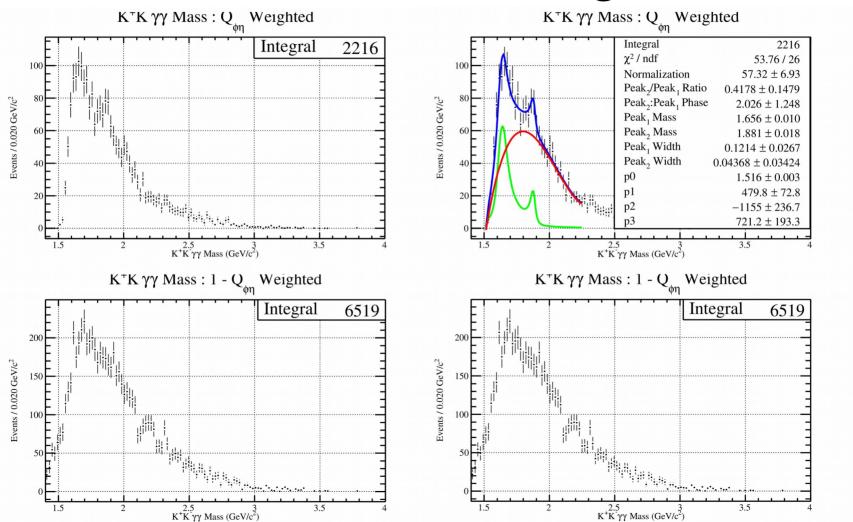




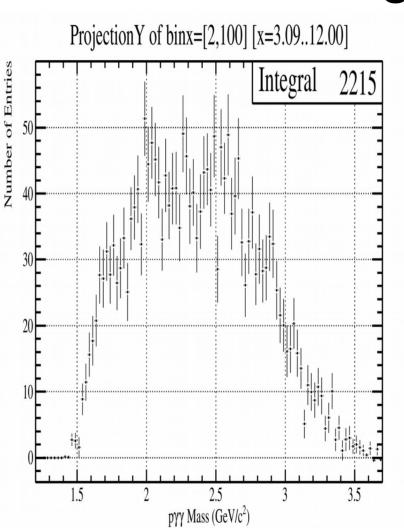
Theta > 18 deg



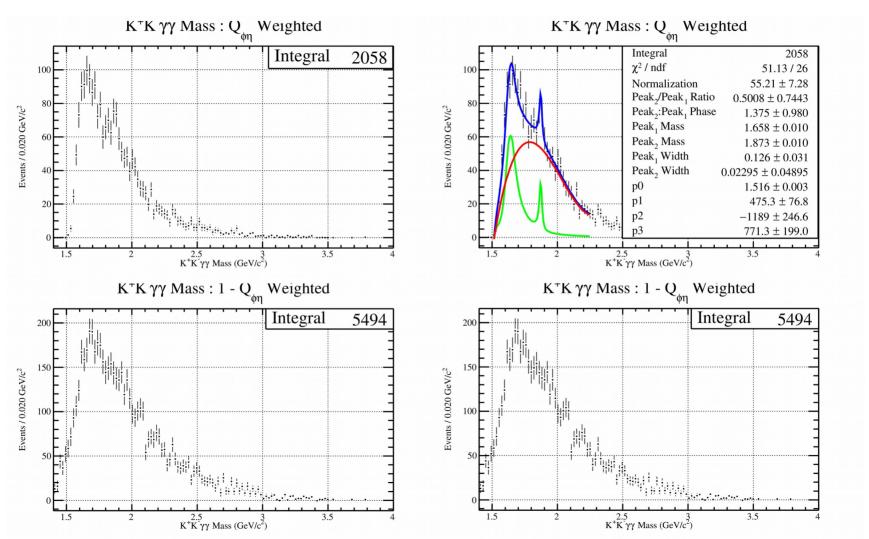
Theta < 18 deg



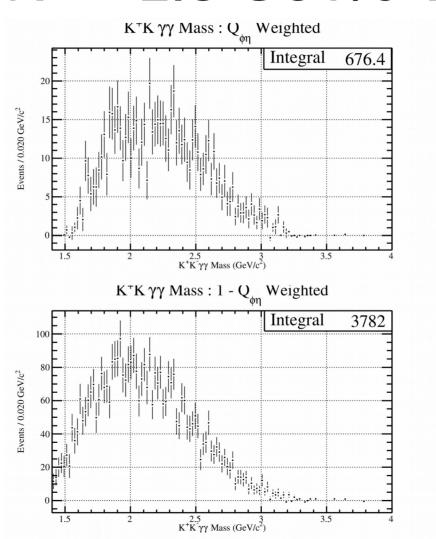
Theta < 18 deg



$N^* > 1.8 \text{ GeV/c}^2$



N* < 1.8 GeV/c^2



Summary

CUT	SIGNAL	BG
No Cut:	Amplitude: 59	~495 Events
• BeamE @ 7.5:	-17%	-55%
• Theta @ 18:	-3%	-92%
• N* Cut:	-7%	-100%

Summary

BG

CUT	SIGNAL

- BeamE @ 7.5: -70% -31%
- Theta @ 18: -6% -82%
- N* Cut: -15% -87%