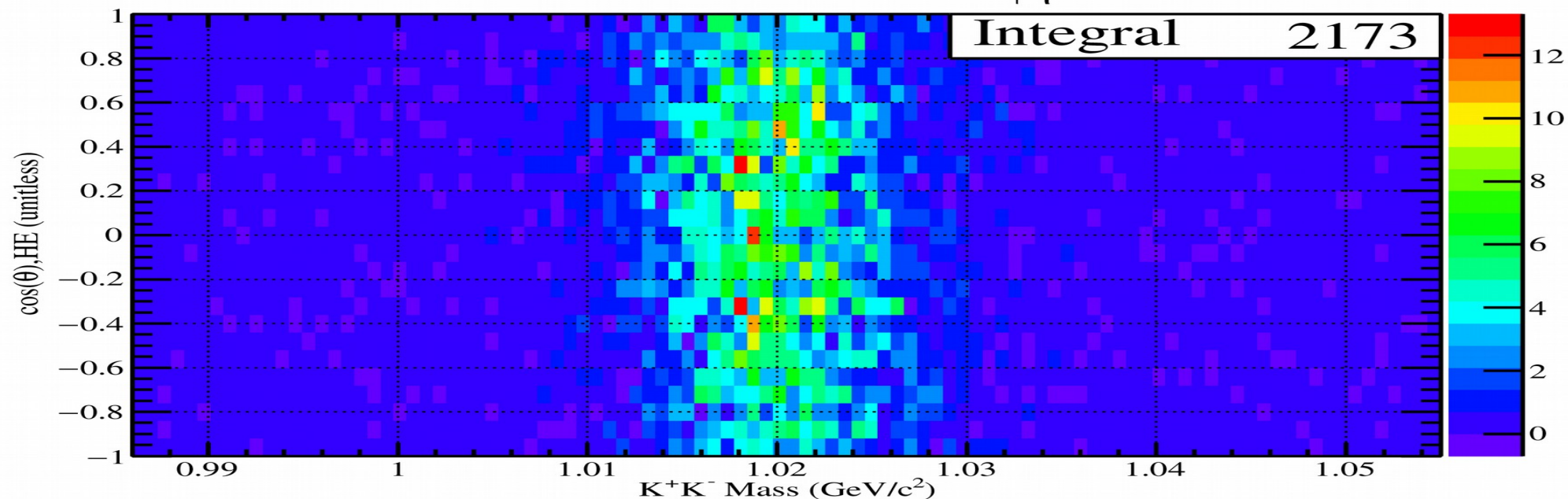


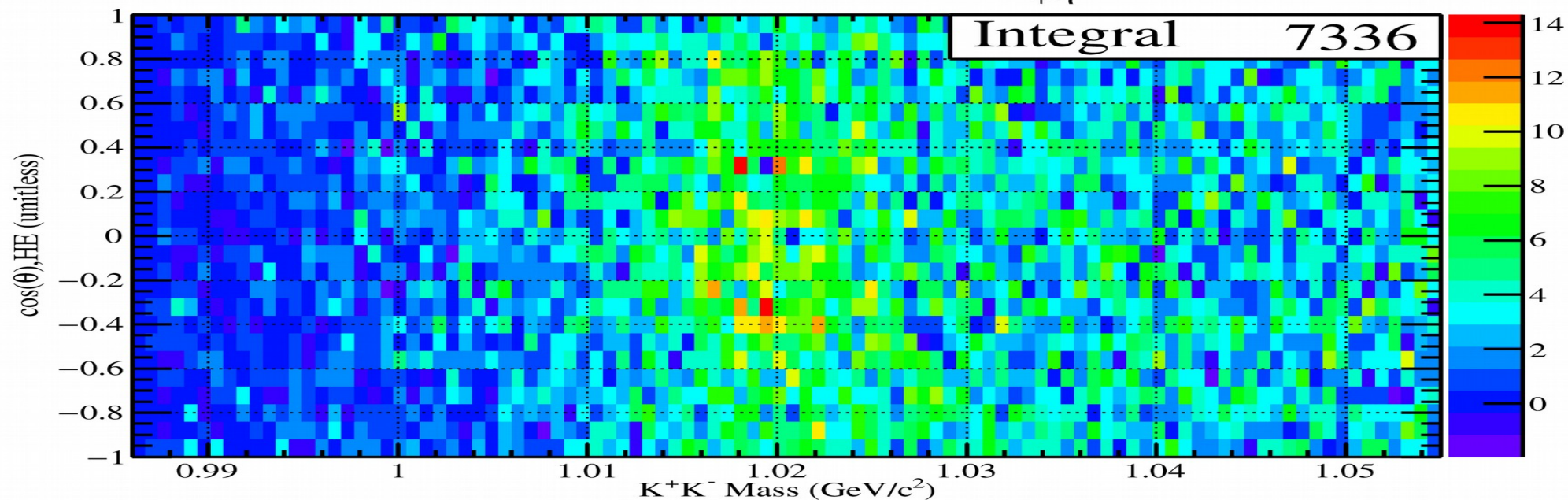
A Closer look at possible baryonic backgrounds

- There will be 2 slides in this talk showing $\text{Cos}(\theta)$, HE for the K^+
- Does a t' cut separate baryonic background from the meson signals?
- What does $\text{Cos}(\theta)$, GJ look like as a function of mass?
- How does a N^* mass cut alter the signal distributions?
- What does the new data look like with no Beam cut?

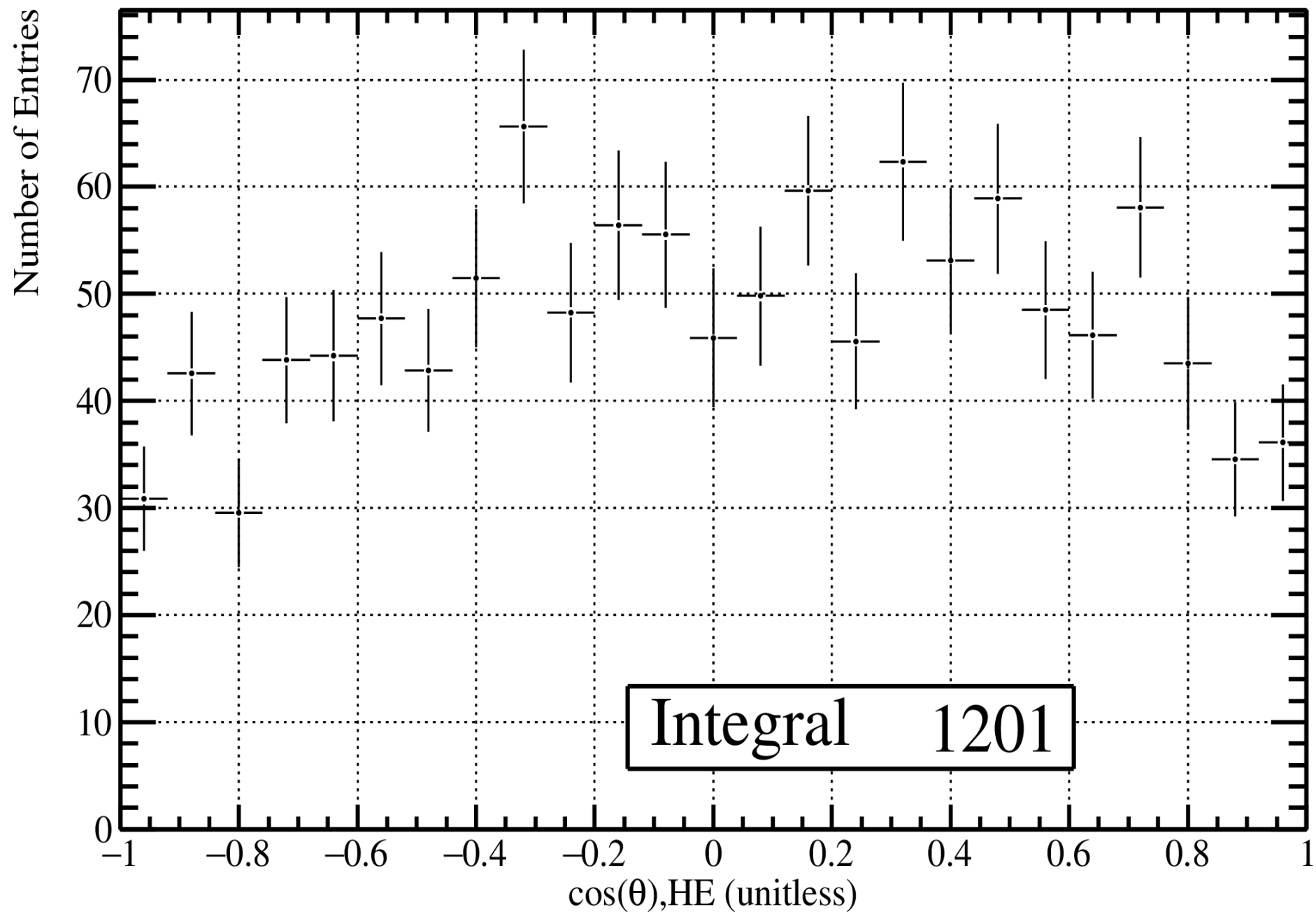
K^+K^- Mass Vs $\cos(\theta)_{HE}$: $Q_{\phi\eta}$ Weighted



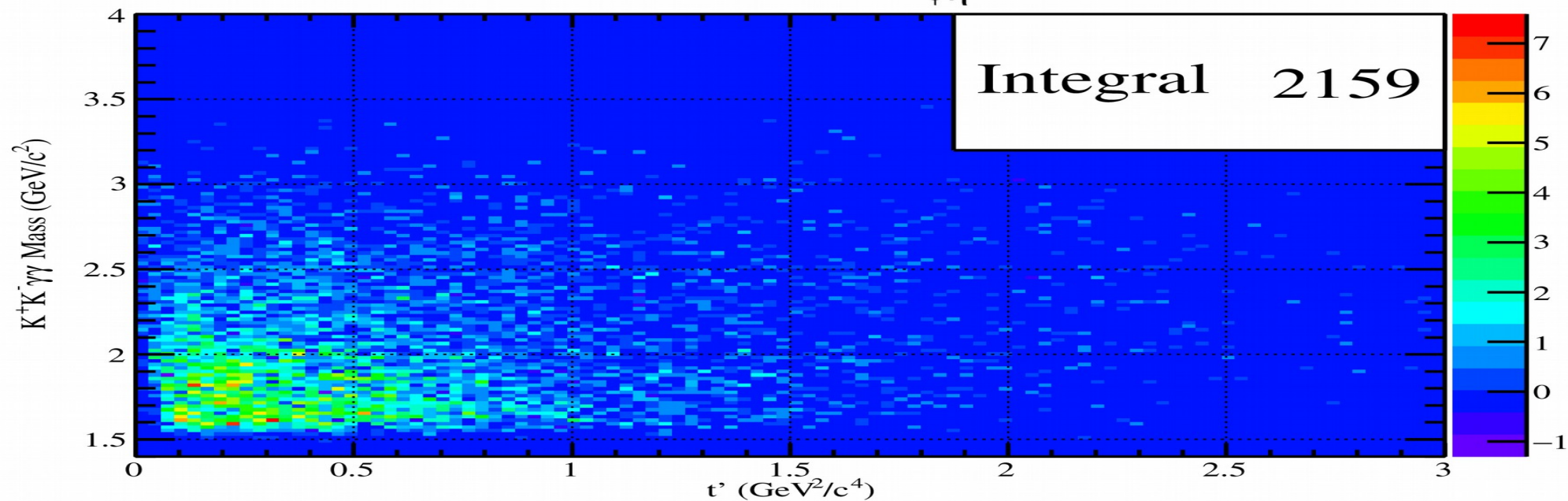
K^+K^- Mass Vs $\cos(\theta)_{HE}$: $1 - Q_{\phi\eta}$ Weighted



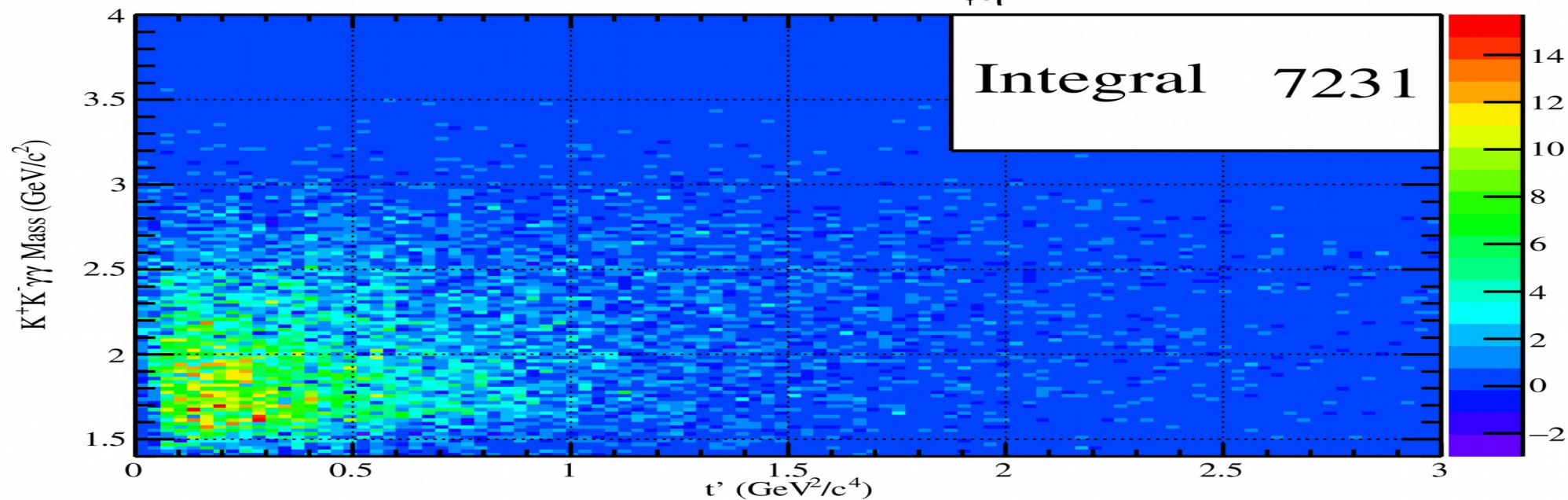
ProjectionY of binx=[45,54] [x=1.0164..1.0233]



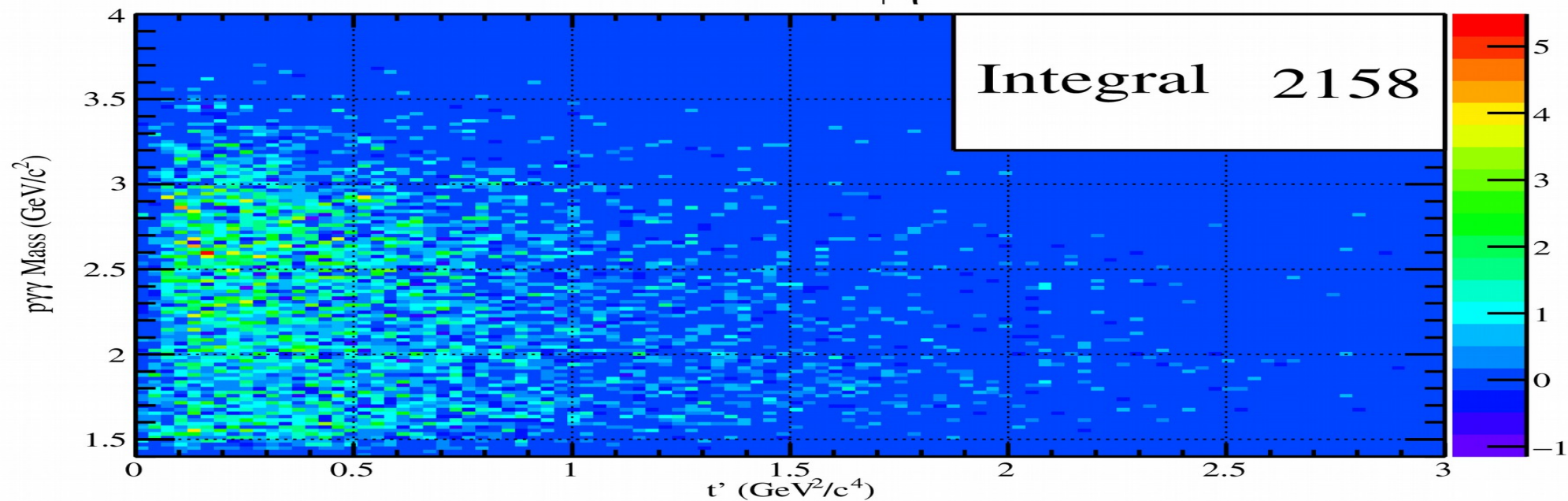
t' Vs $K^+K^- \gamma\gamma$ Mass : $Q_{\phi\eta}$ Weighted



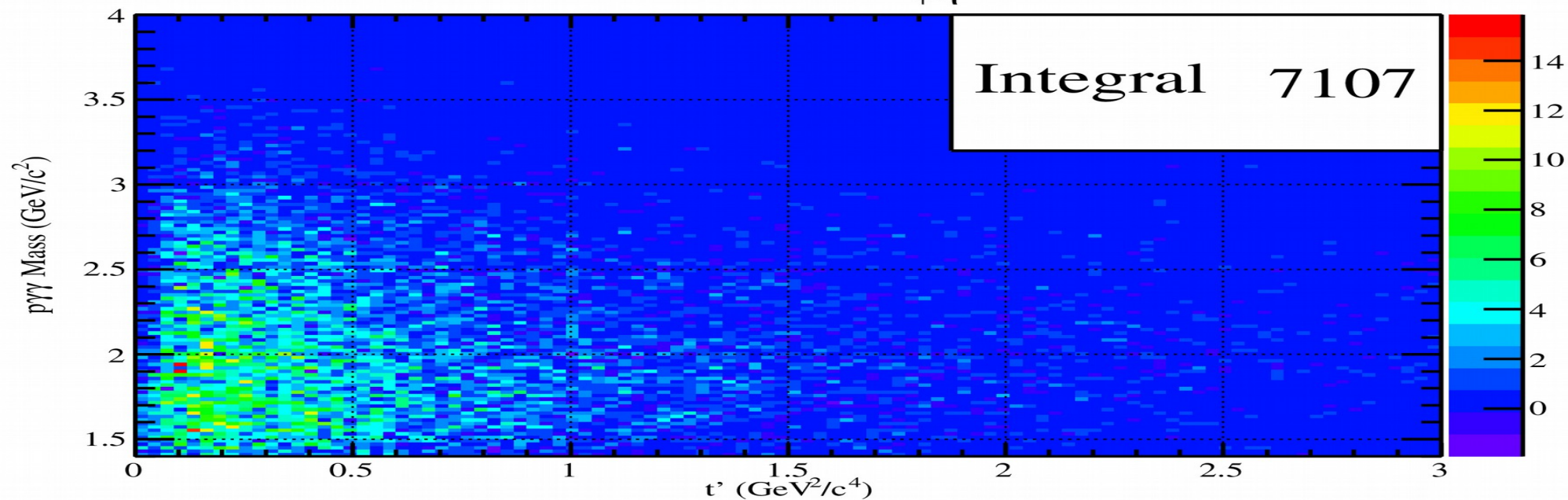
t' Vs $K^+K^- \gamma\gamma$ Mass : $1 - Q_{\phi\eta}$ Weighted



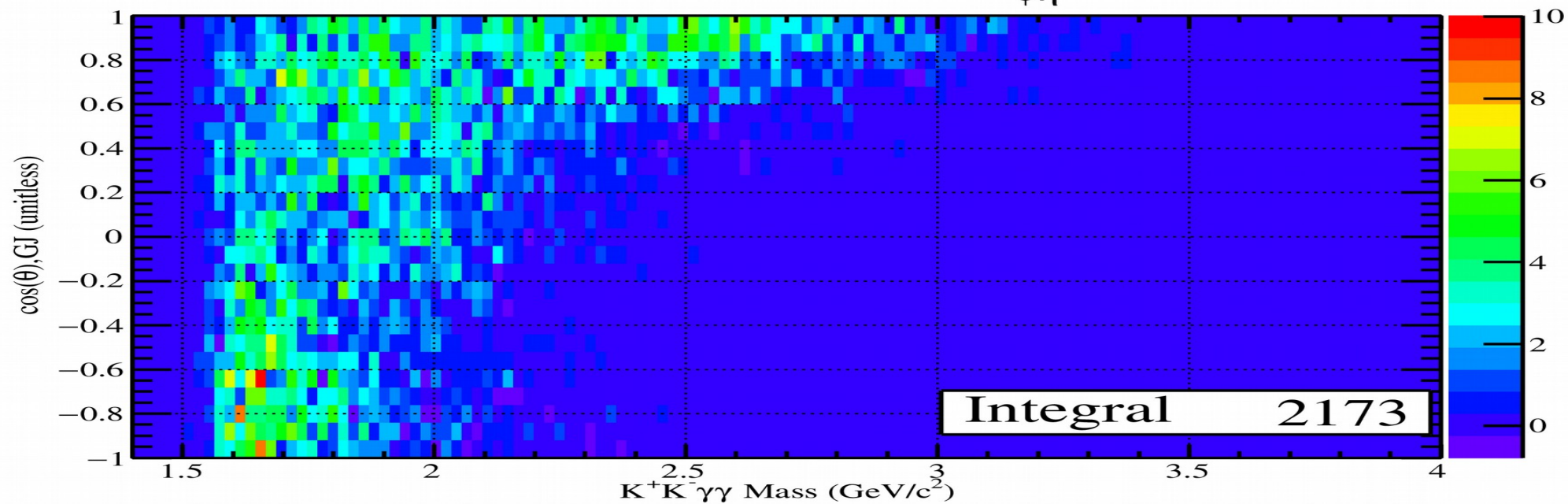
$t' \text{ Vs } p\gamma\gamma \text{ Mass} : Q_{\phi\eta} \text{ Weighted}$



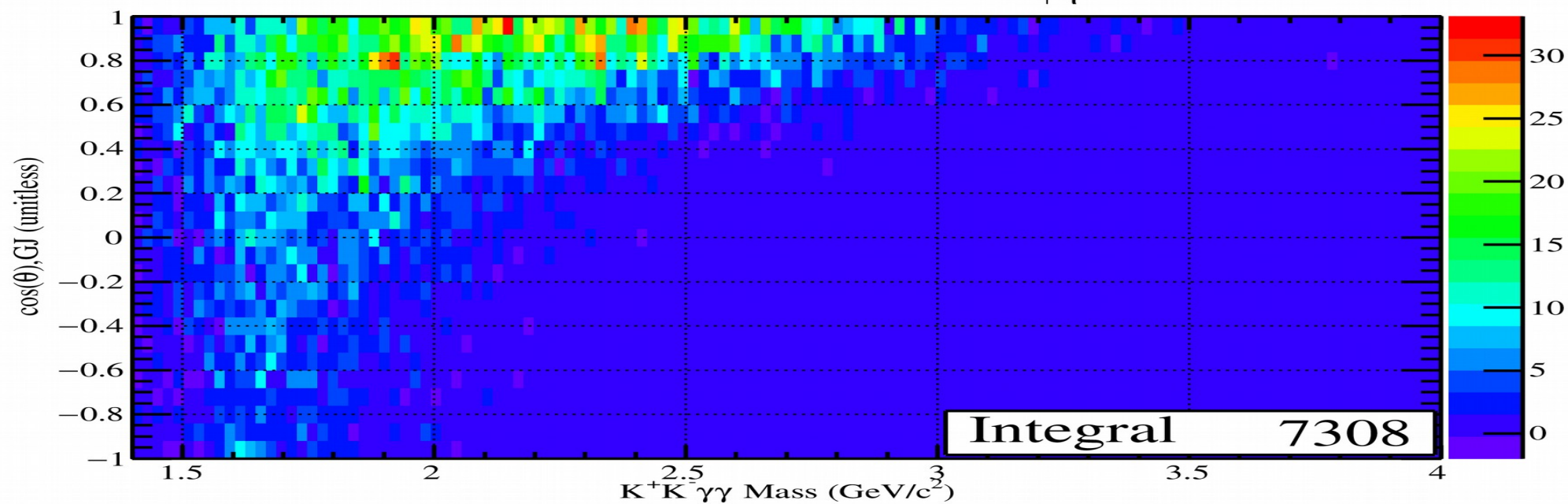
$t' \text{ Vs } p\gamma\gamma \text{ Mass} : 1 - Q_{\phi\eta} \text{ Weighted}$



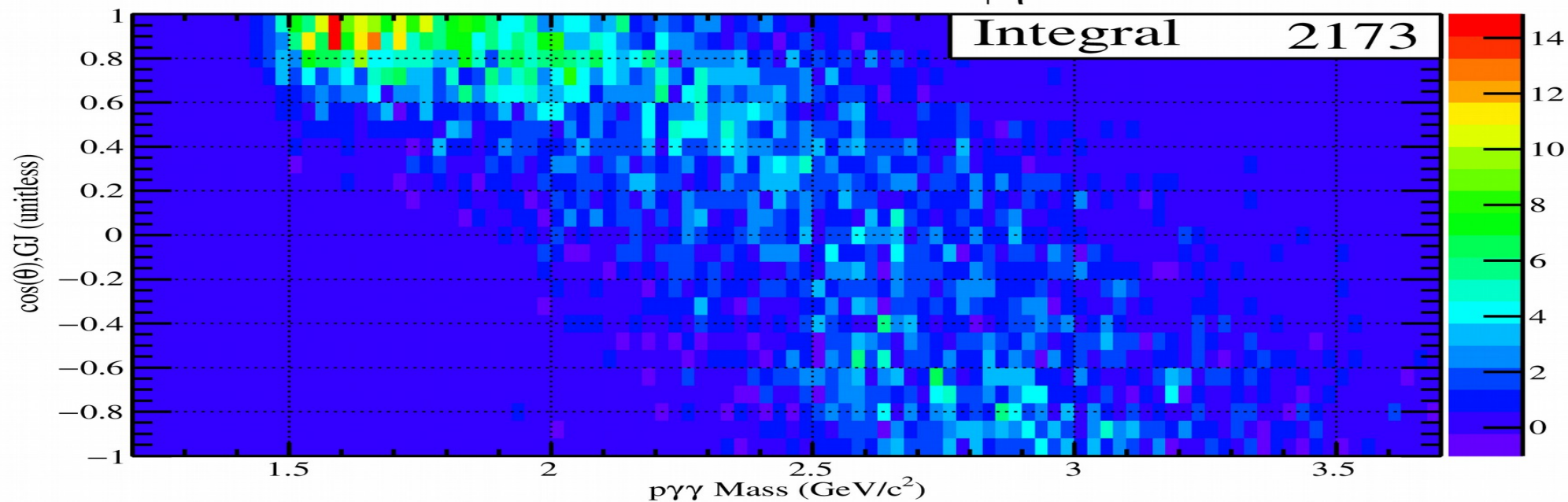
$K^+K^- \gamma\gamma$ Mass Vs $\cos(\theta), GJ : Q_{\phi\eta}$ Weighted



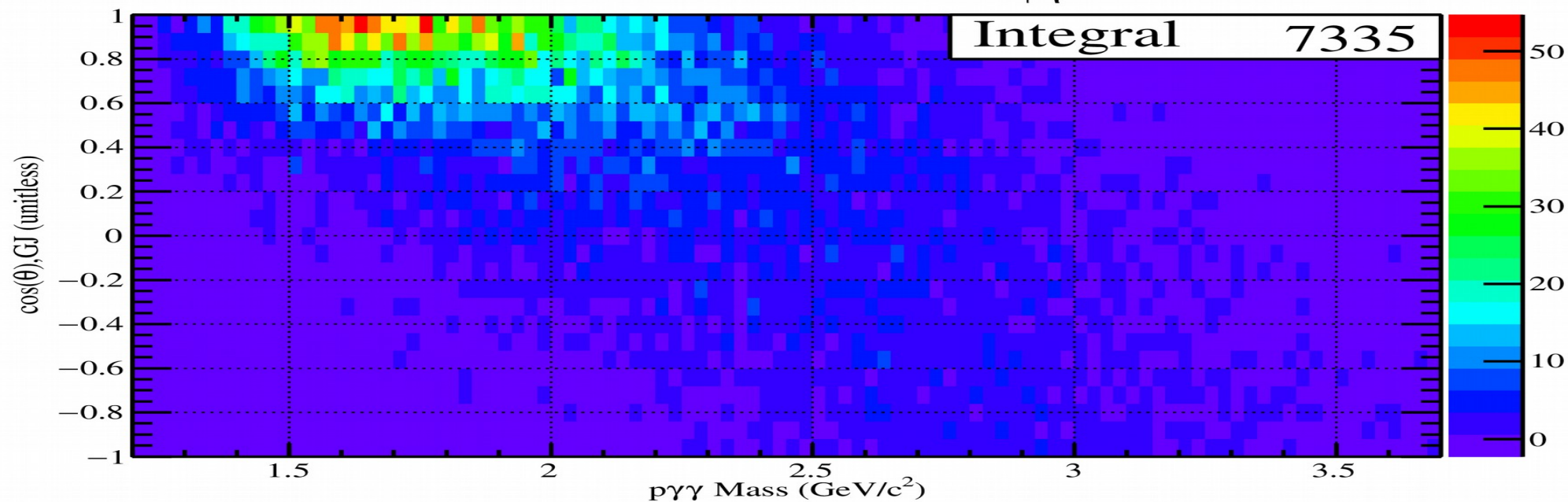
$K^+K^- \gamma\gamma$ Mass Vs $\cos(\theta), GJ : 1 - Q_{\phi\eta}$ Weighted



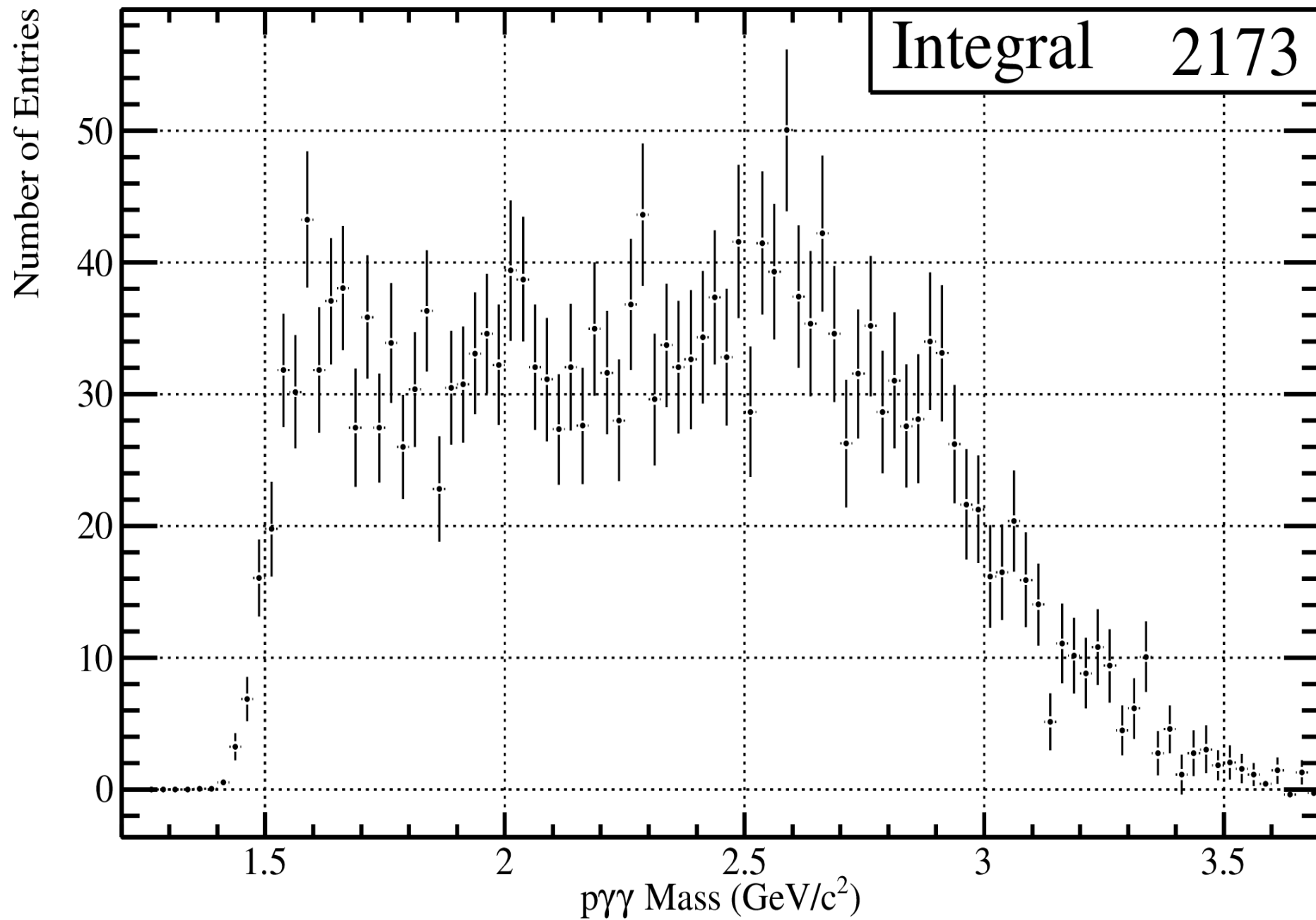
$p\gamma\gamma$ Mass Vs $\cos(\theta), GJ : Q_{\phi\eta}$ Weighted



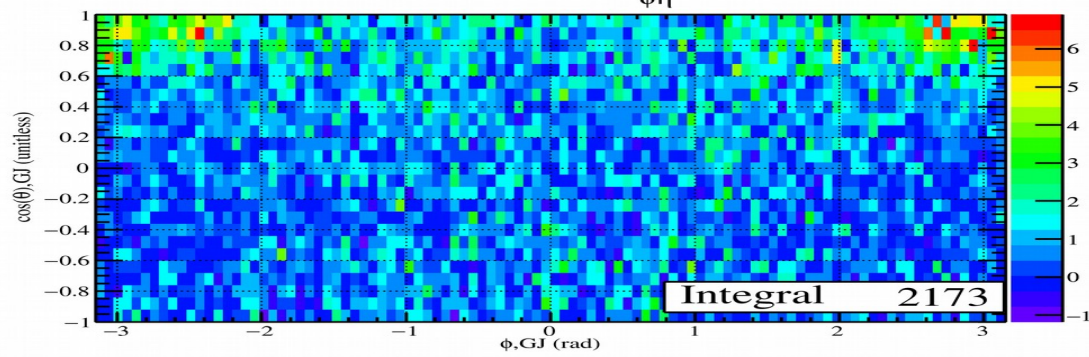
$p\gamma\gamma$ Mass Vs $\cos(\theta), GJ : 1 - Q_{\phi\eta}$ Weighted



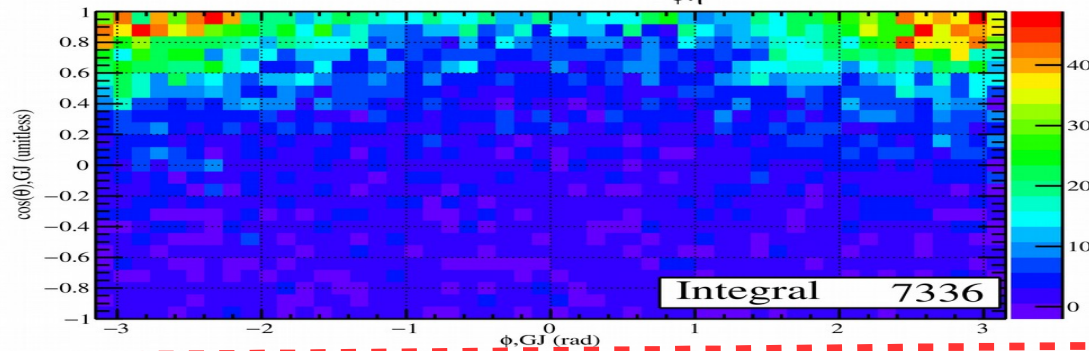
ProjectionX of biny=[3,127] [y=1.441..4.000]



ϕ, GJ Vs $\cos(\theta), GJ : Q_{\phi\eta}$ Weighted

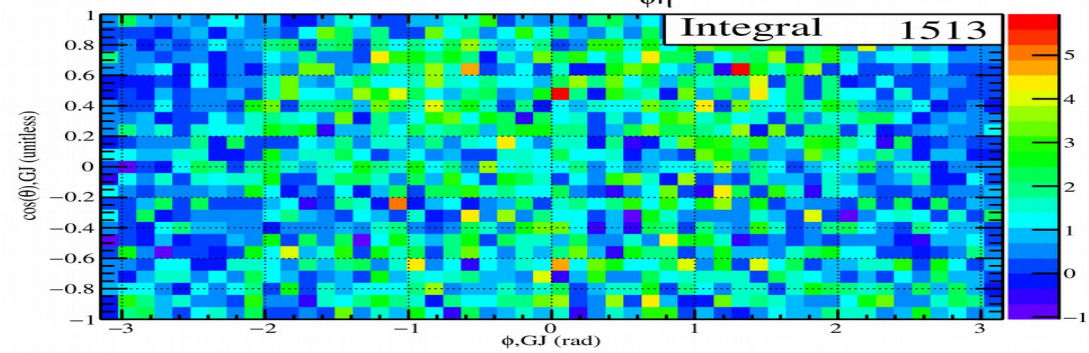


ϕ, GJ Vs $\cos(\theta), GJ : 1 - Q_{\phi\eta}$ Weighted



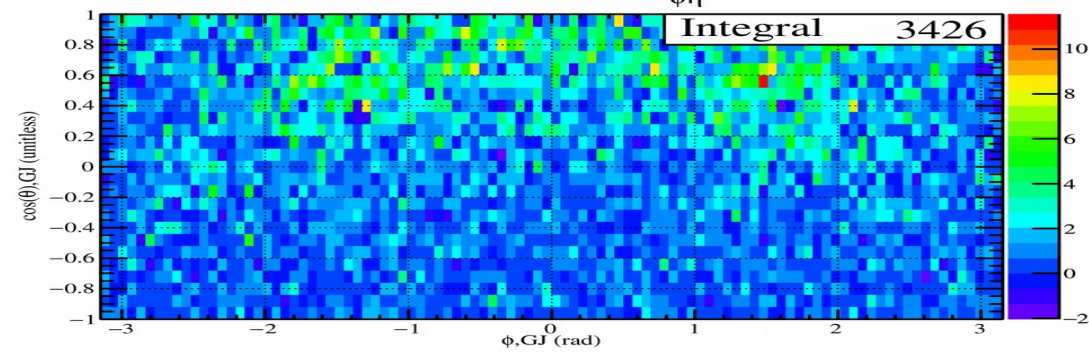
Before N^* Cut

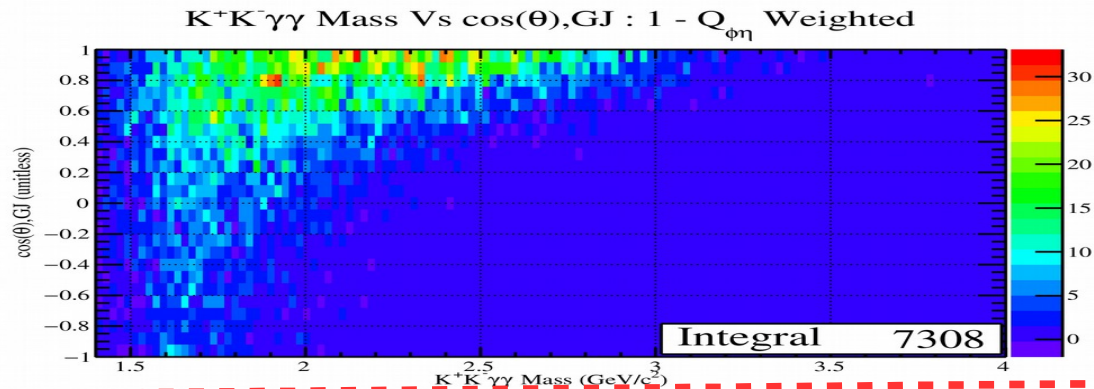
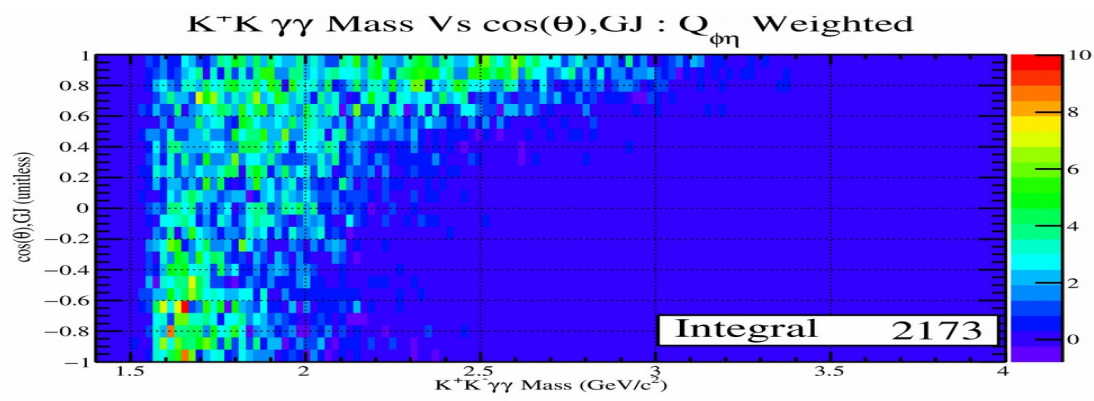
ϕ, GJ Vs $\cos(\theta), GJ : Q_{\phi\eta}$ Weighted



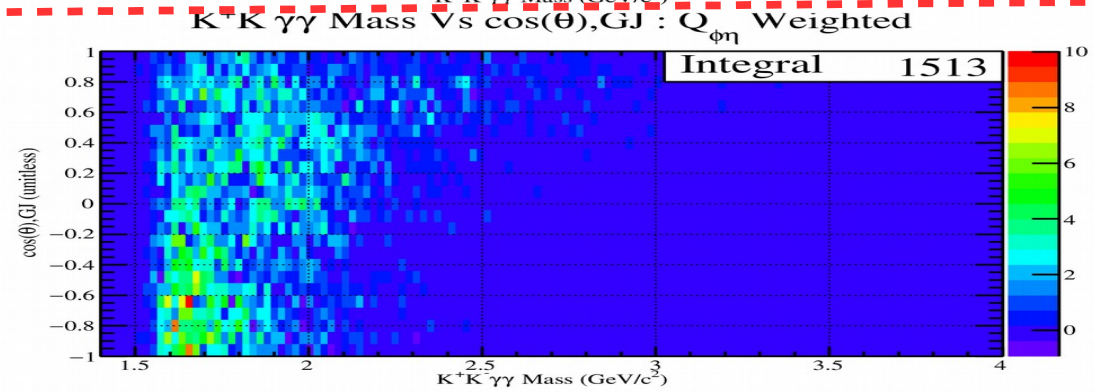
After N^* Cut

ϕ, GJ Vs $\cos(\theta), GJ : 1 - Q_{\phi\eta}$ Weighted

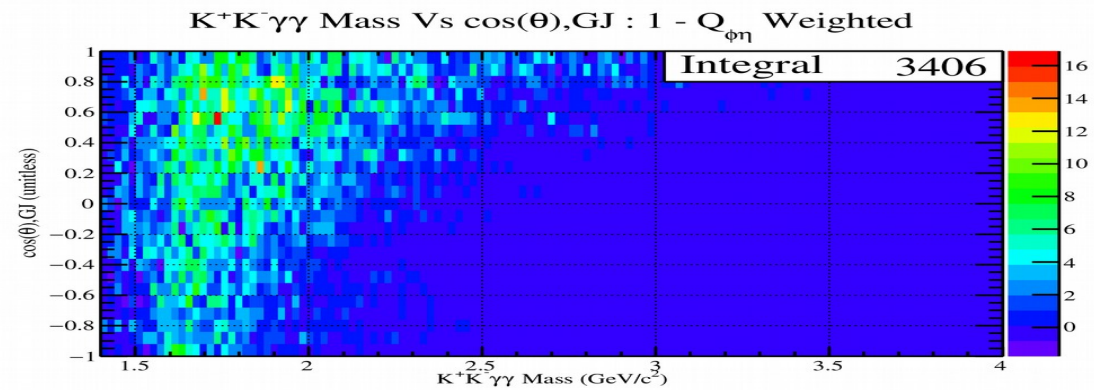




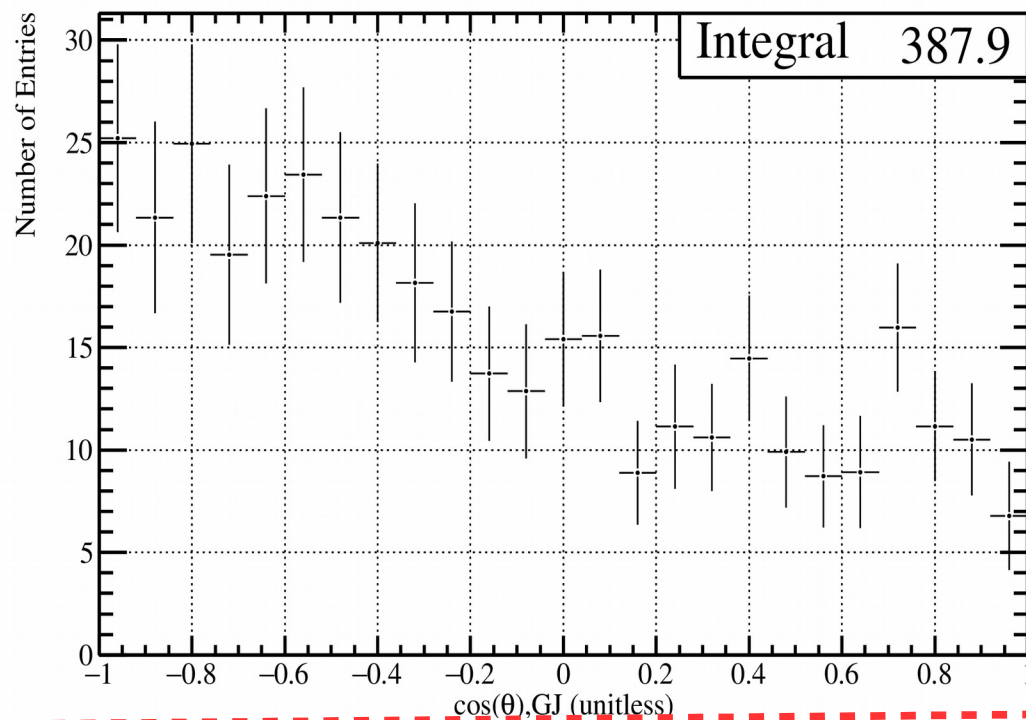
Before N^* Cut



After N^* Cut

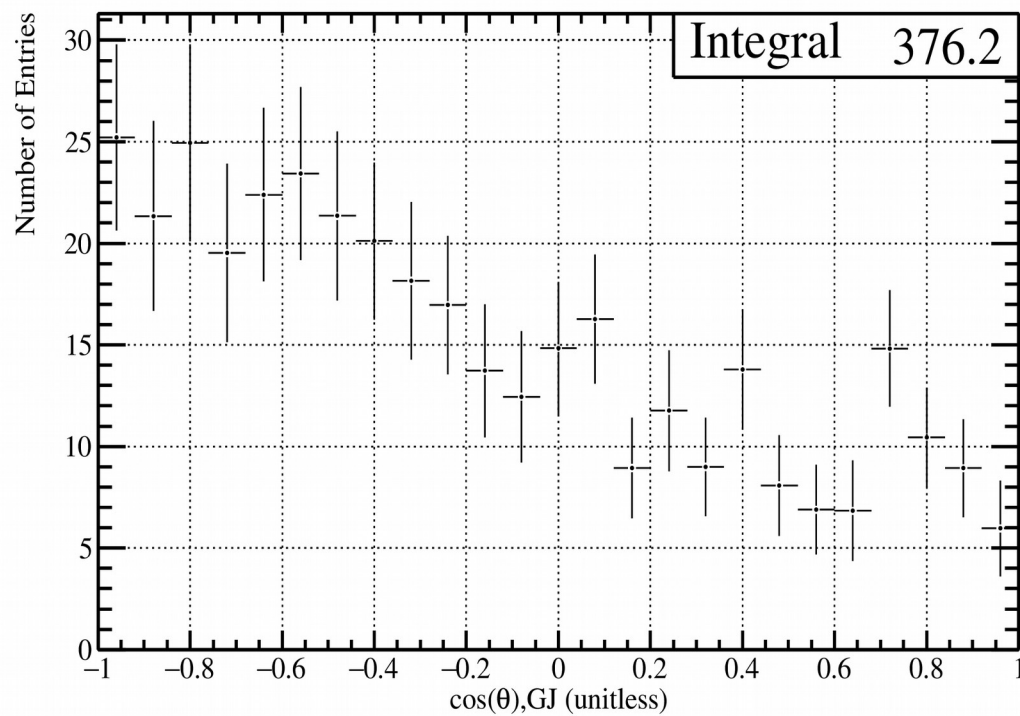


ProjectionY of binx=[11,15] [x=1.605..1.707]



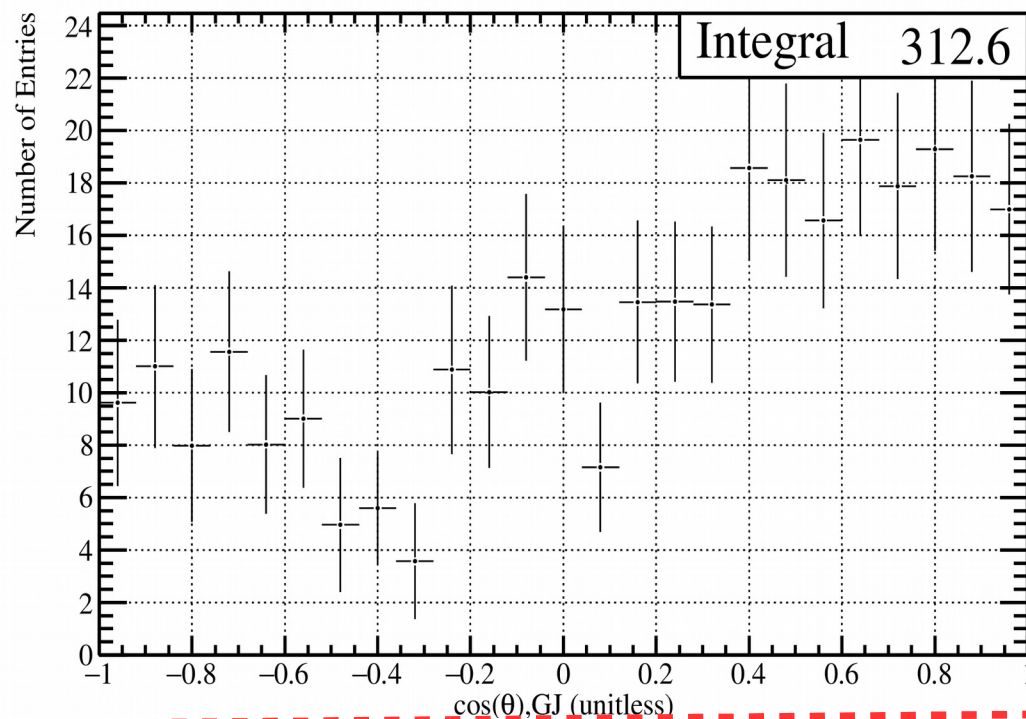
Before N* Cut

ProjectionY of binx=[11,15] [x=1.605..1.707]



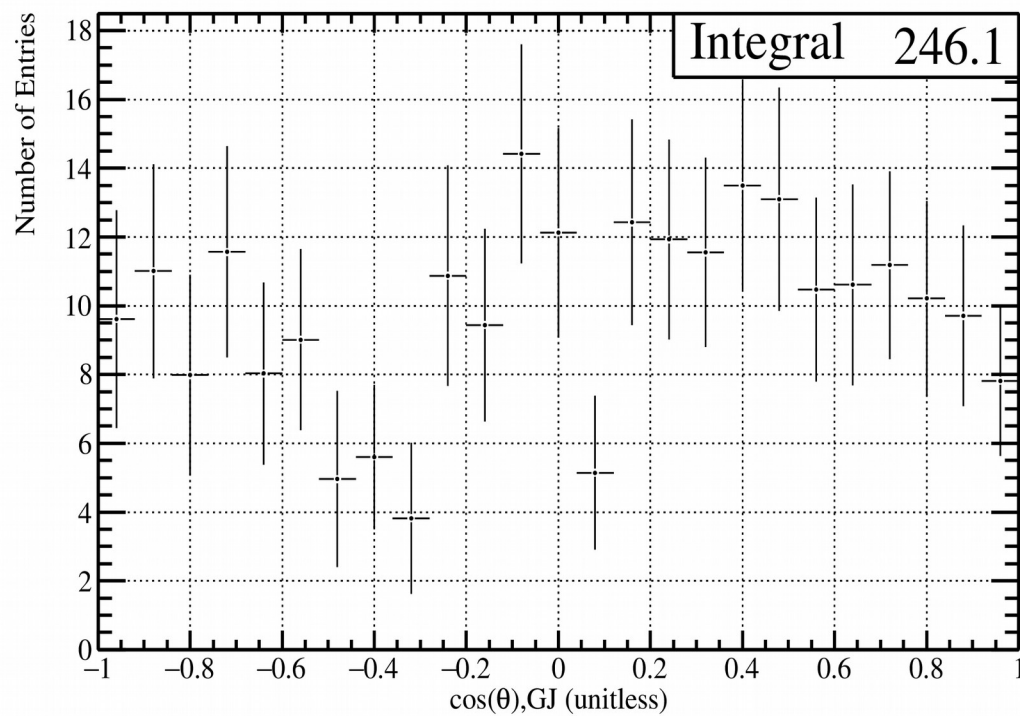
After N* Cut

ProjectionY of binx=[21,25] [x=1.809..1.912]



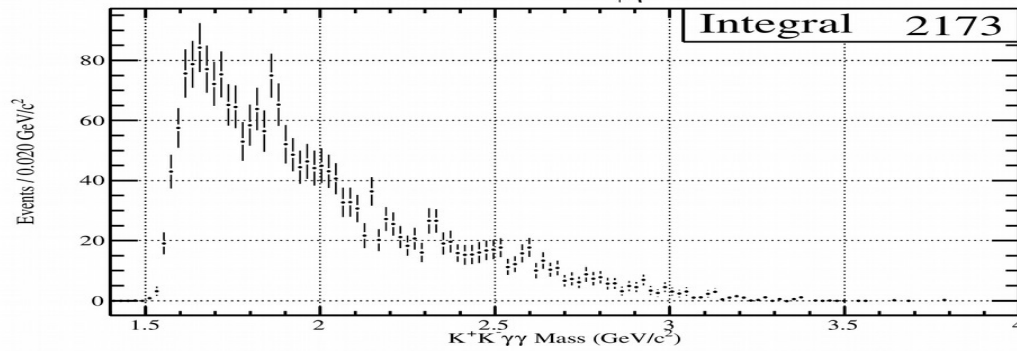
Before N* Cut

ProjectionY of binx=[21,25] [x=1.809..1.912]

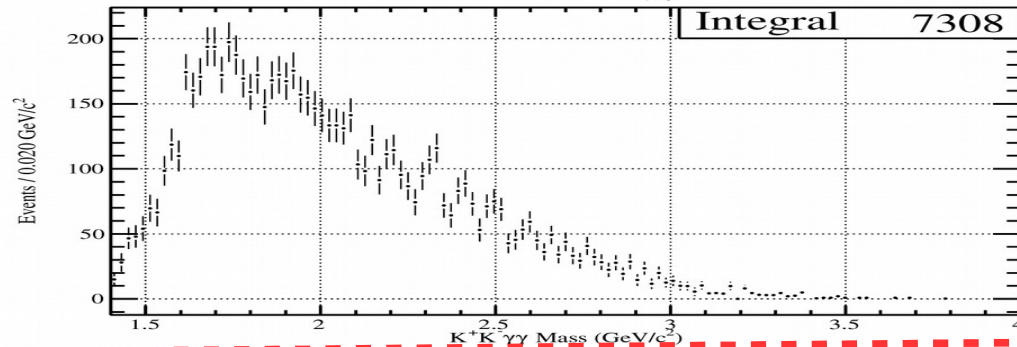


After N* Cut

$K^+K^- \gamma\gamma$ Mass : $Q_{\phi\eta}$ Weighted

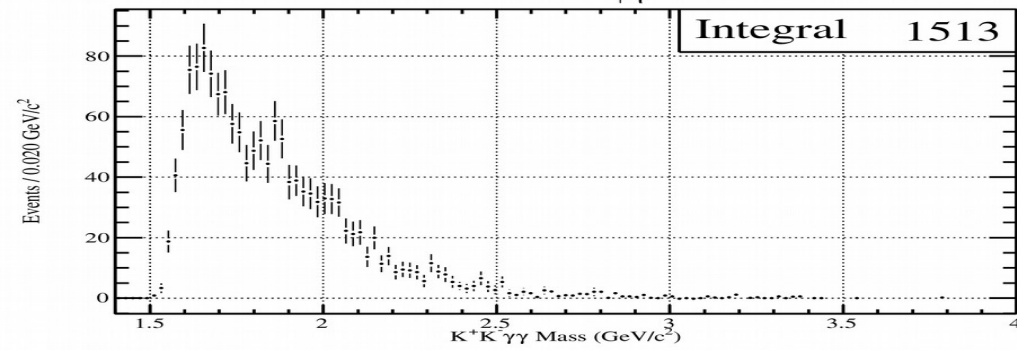


$K^+K^- \gamma\gamma$ Mass : $1 - Q_{\phi\eta}$ Weighted



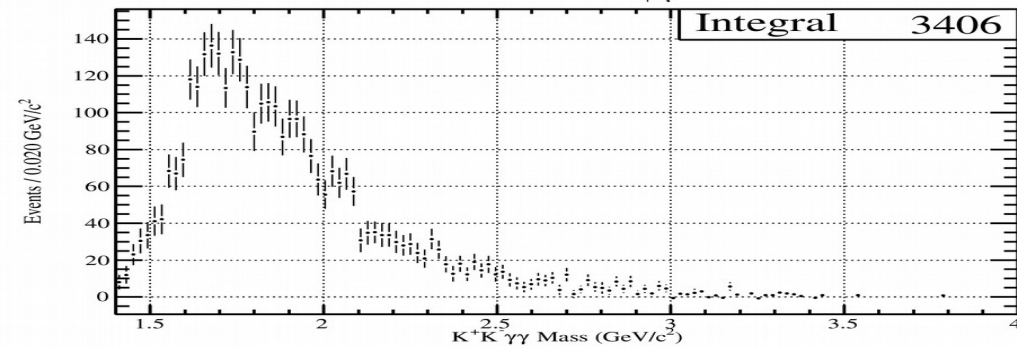
Before N^* Cut

$K^+K^- \gamma\gamma$ Mass : $Q_{\phi\eta}$ Weighted



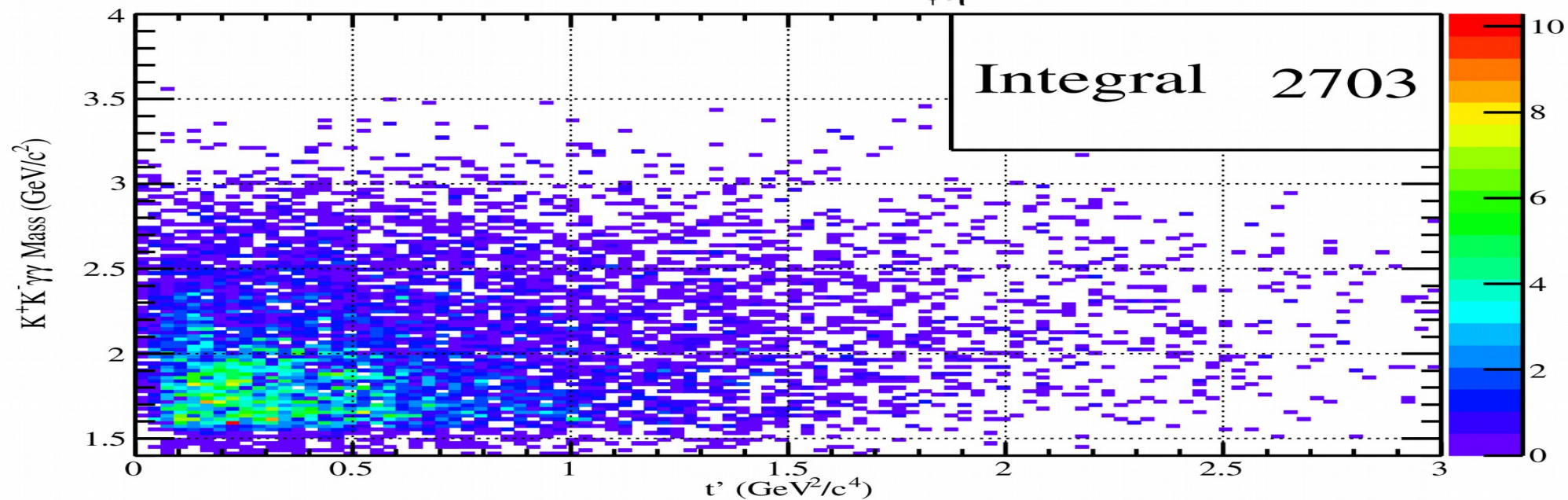
After N^* Cut

$K^+K^- \gamma\gamma$ Mass : $1 - Q_{\phi\eta}$ Weighted

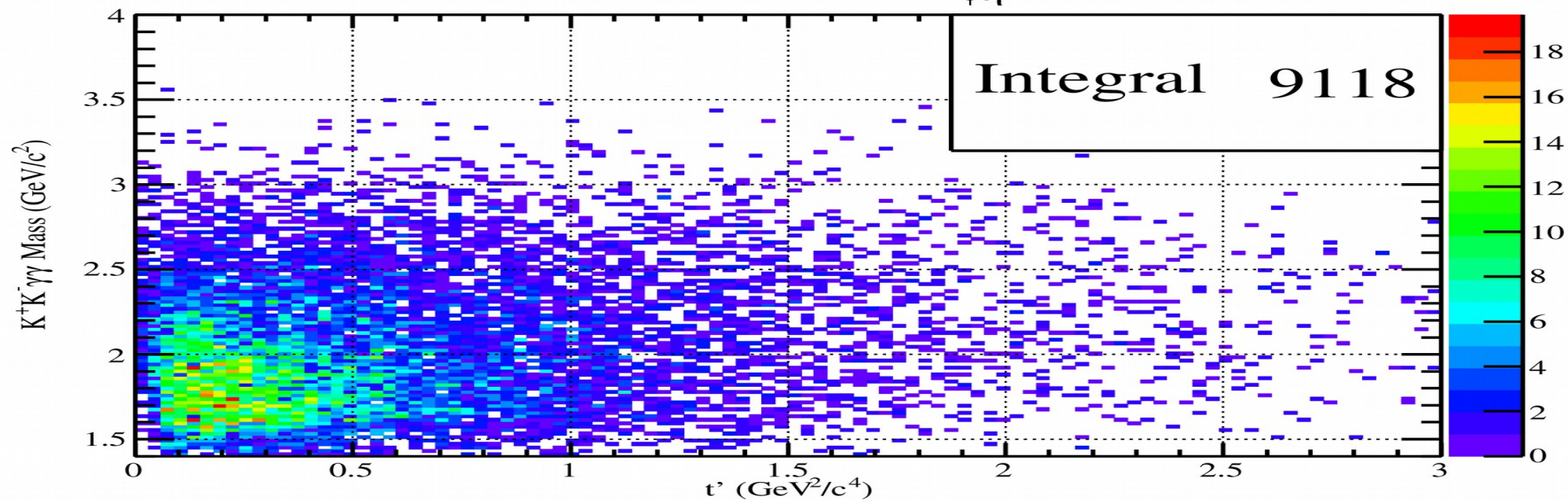


New Data

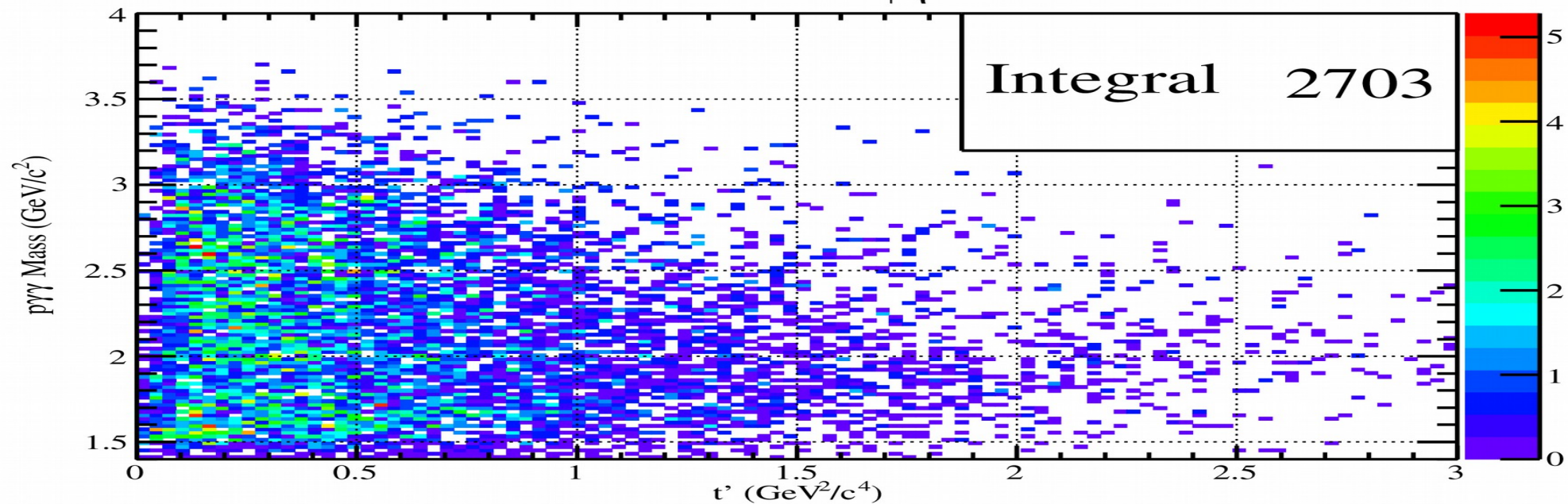
t' Vs $K^+K^- \gamma\gamma$ Mass : $Q_{\phi\eta}$ Weighted



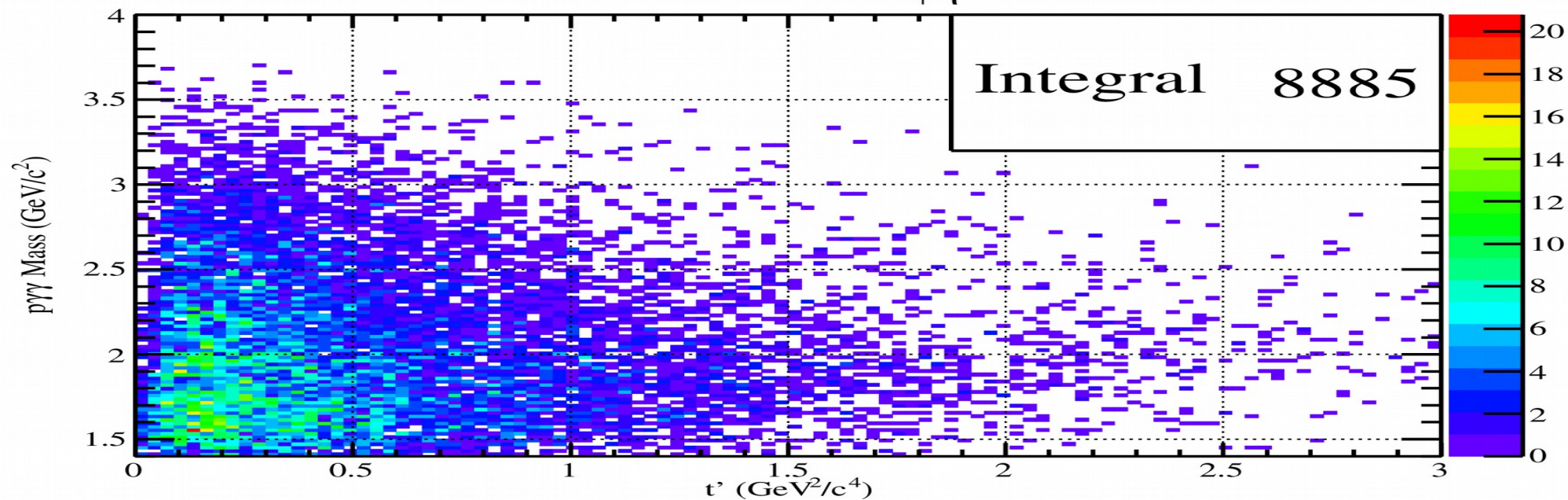
t' Vs $K^+K^- \gamma\gamma$ Mass : $1 - Q_{\phi\eta}$ Weighted



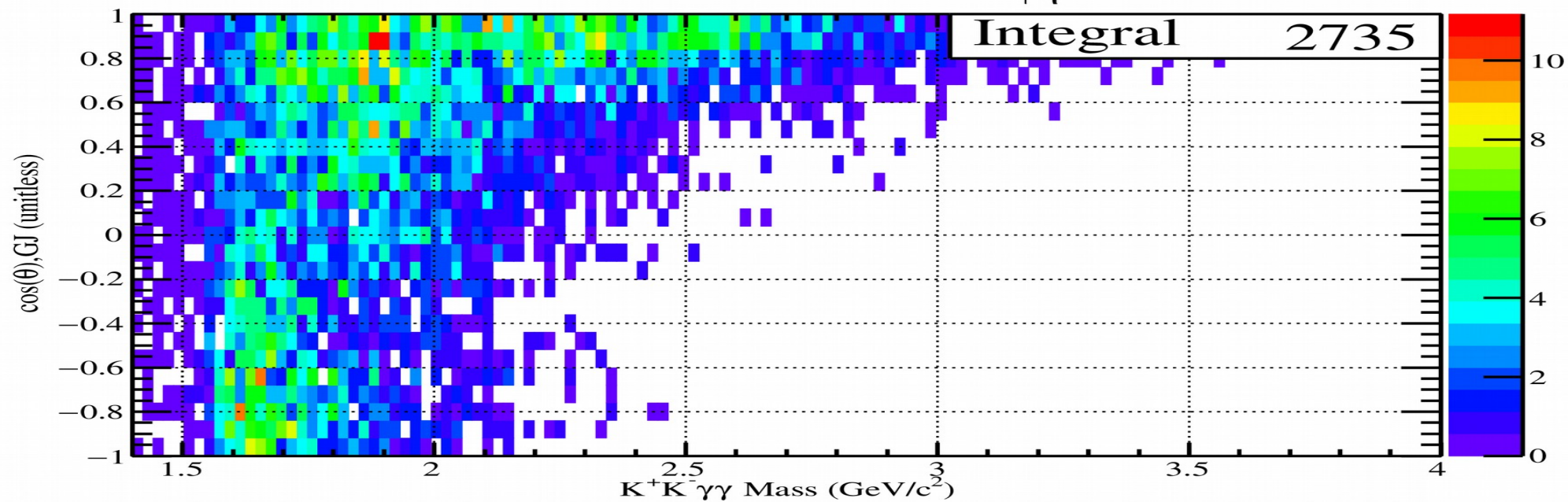
$t' \text{ Vs } p\gamma\gamma \text{ Mass} : Q_{\phi\eta} \text{ Weighted}$



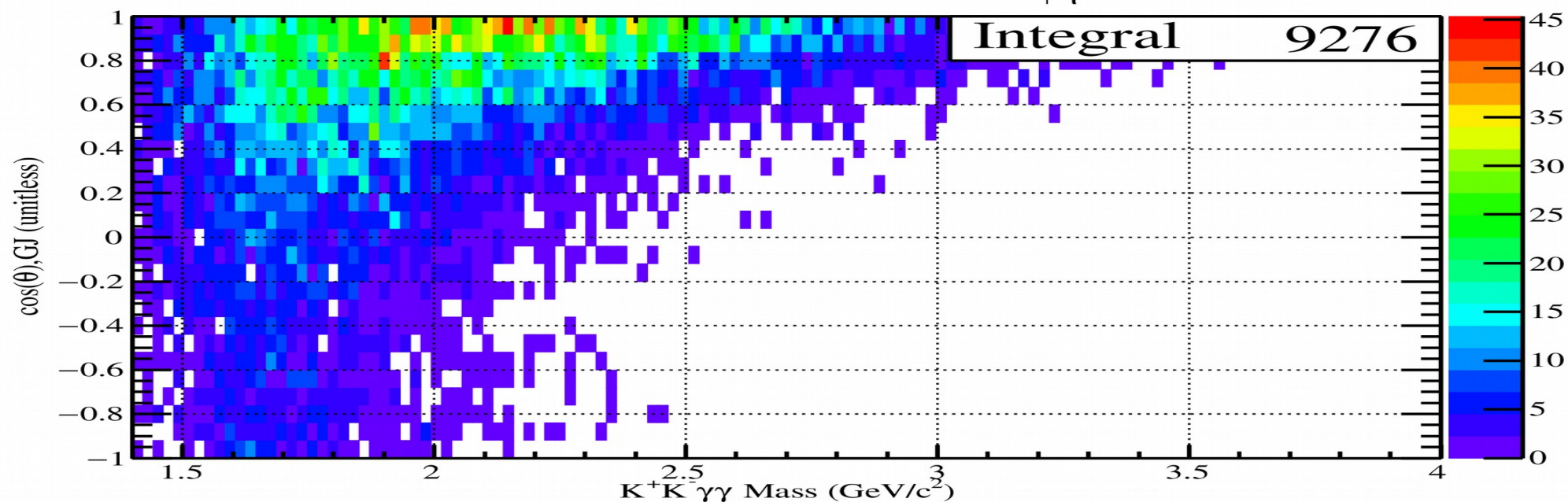
$t' \text{ Vs } p\gamma\gamma \text{ Mass} : 1 - Q_{\phi\eta} \text{ Weighted}$



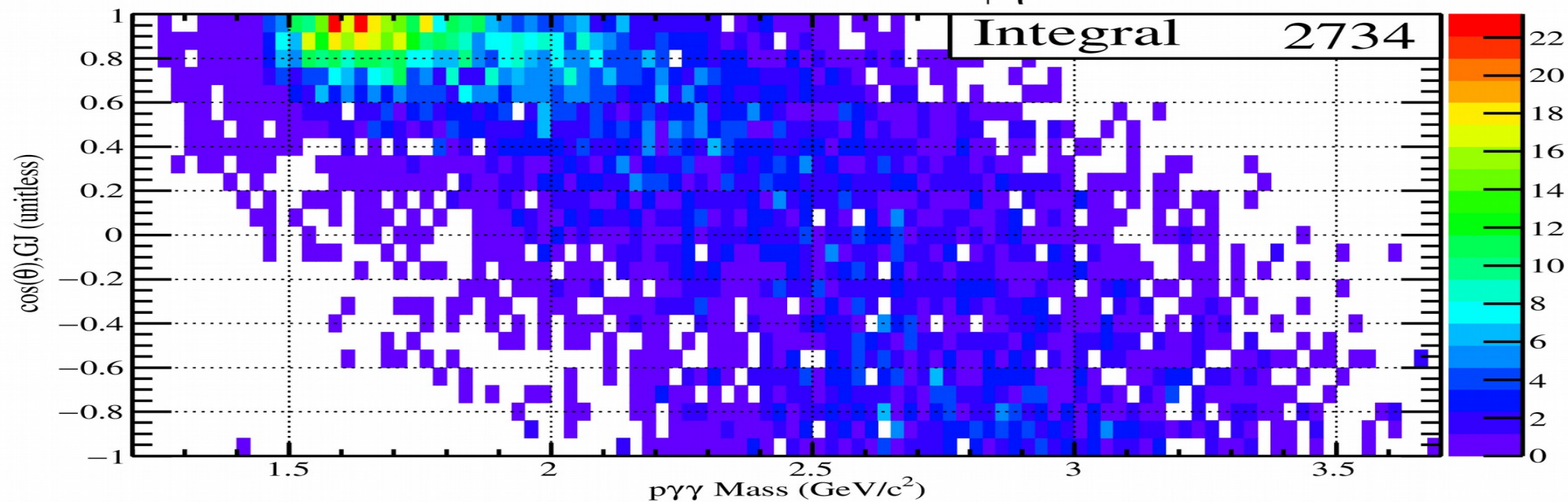
$K^+K^- \gamma\gamma$ Mass Vs $\cos(\theta), GJ : Q_{\phi\eta}$ Weighted



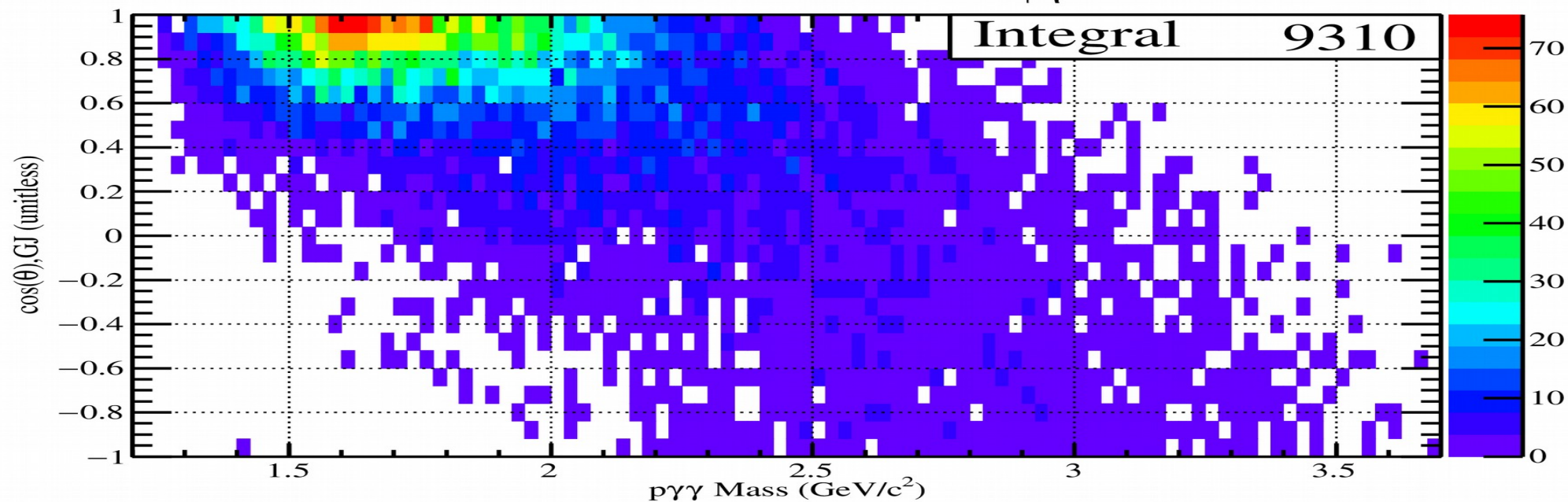
$K^+K^- \gamma\gamma$ Mass Vs $\cos(\theta), GJ : 1 - Q_{\phi\eta}$ Weighted



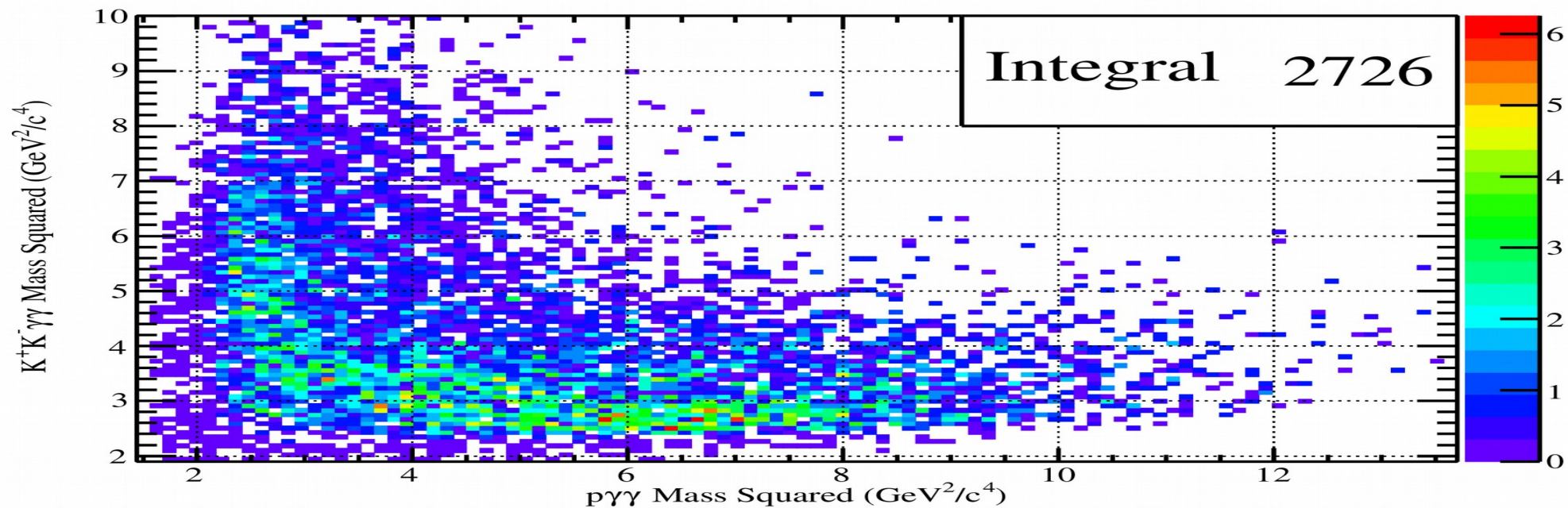
$p\gamma\gamma$ Mass Vs $\cos(\theta), GJ : Q_{\phi\eta}$ Weighted



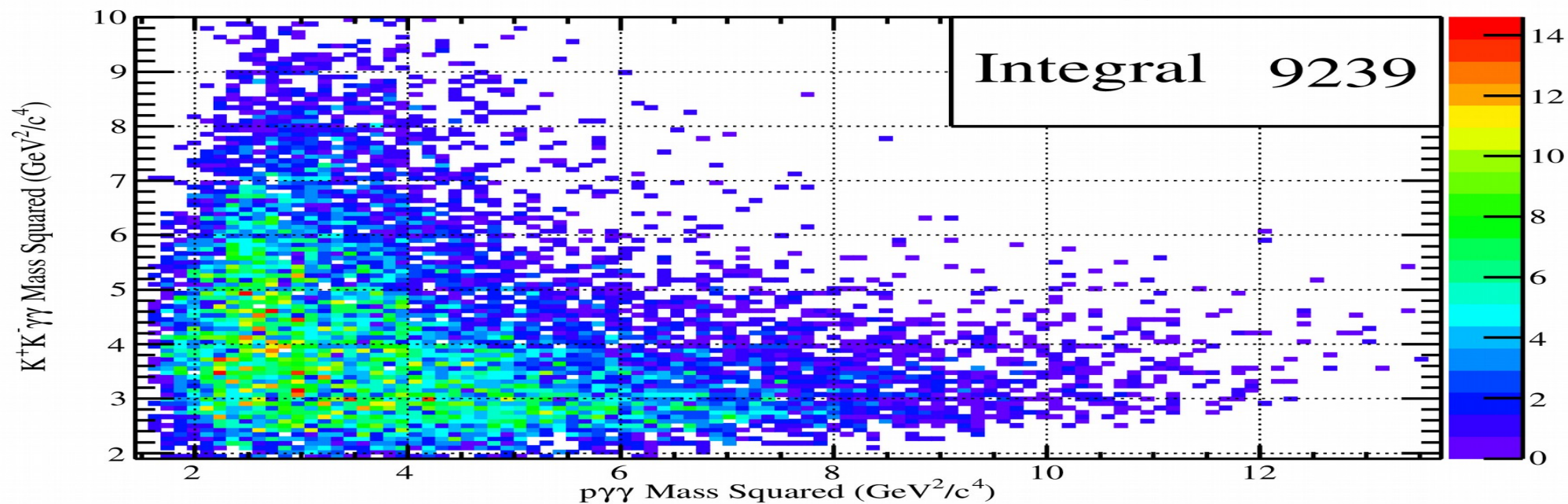
$p\gamma\gamma$ Mass Vs $\cos(\theta), GJ : 1 - Q_{\phi\eta}$ Weighted



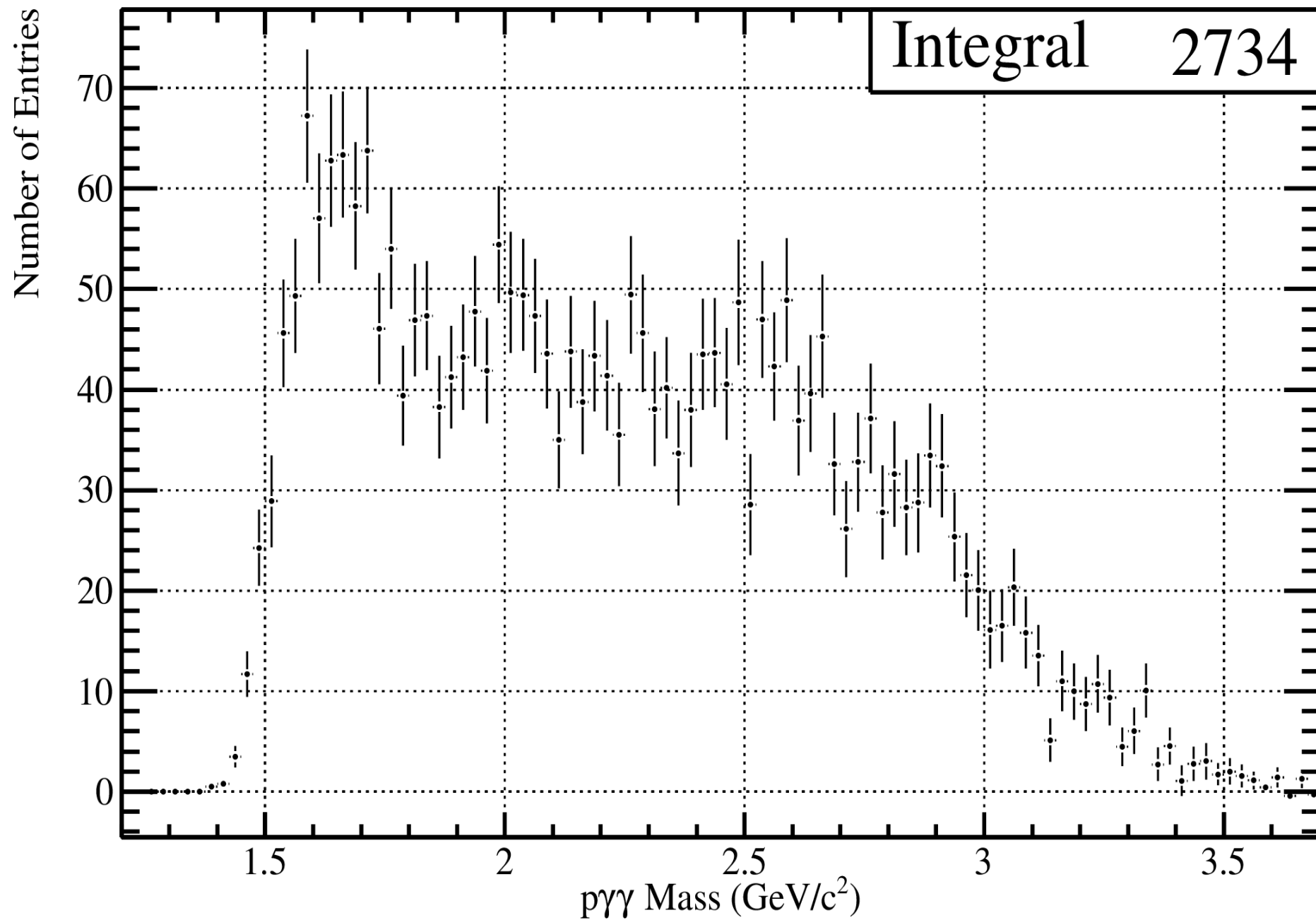
$p\gamma\gamma$ Mass Squared Vs $K^+K^-\gamma\gamma$ Mass Squared : $Q_{\phi\eta}$ Weighted



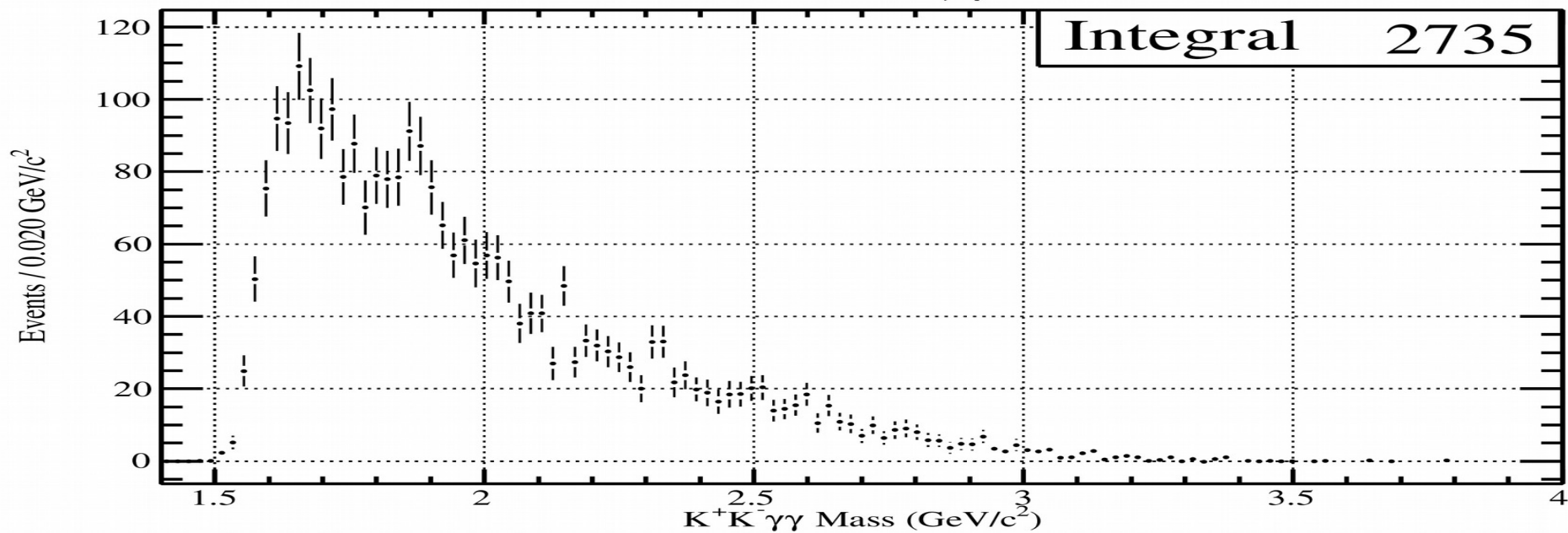
$p\gamma\gamma$ Mass Squared Vs $K^+K^-\gamma\gamma$ Mass Squared : $1 - Q_{\phi\eta}$ Weighted



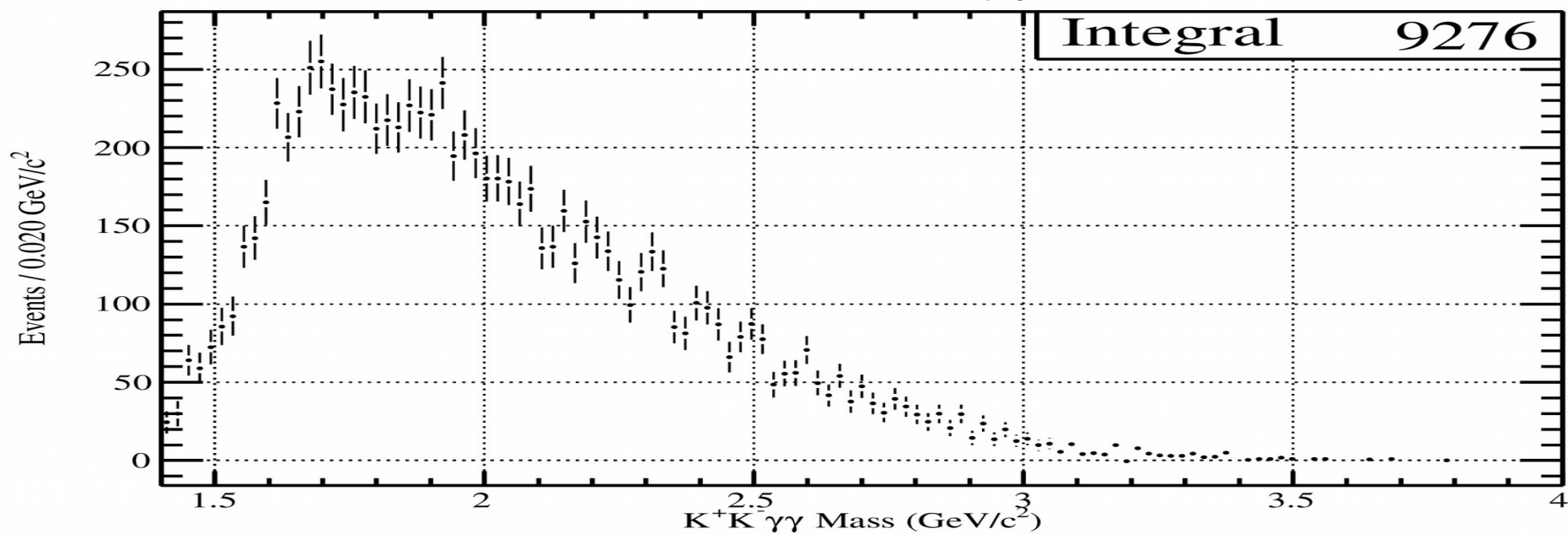
ProjectionX of biny=[0,25] [y=-1.08..1.00]



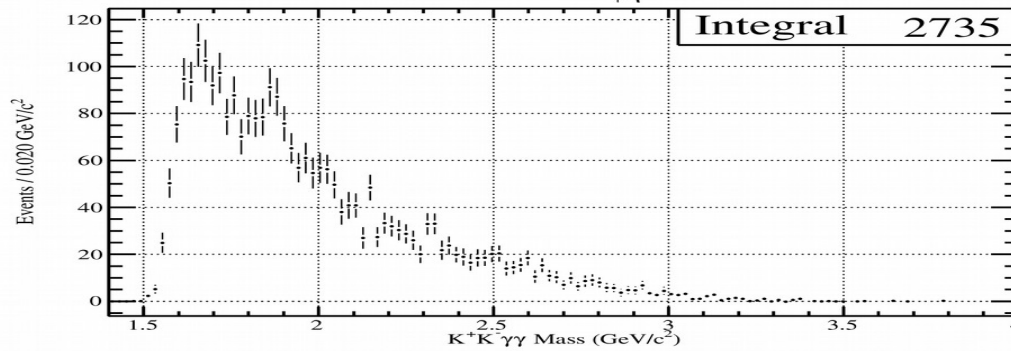
$K^+K^- \gamma\gamma$ Mass : $Q_{\phi\eta}$ Weighted



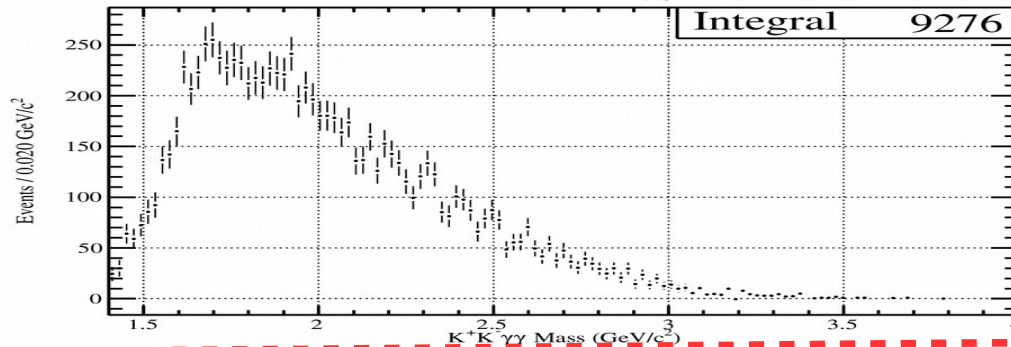
$K^+K^- \gamma\gamma$ Mass : $1 - Q_{\phi\eta}$ Weighted



$K^+K^- \gamma\gamma$ Mass : $Q_{\phi\eta}$ Weighted

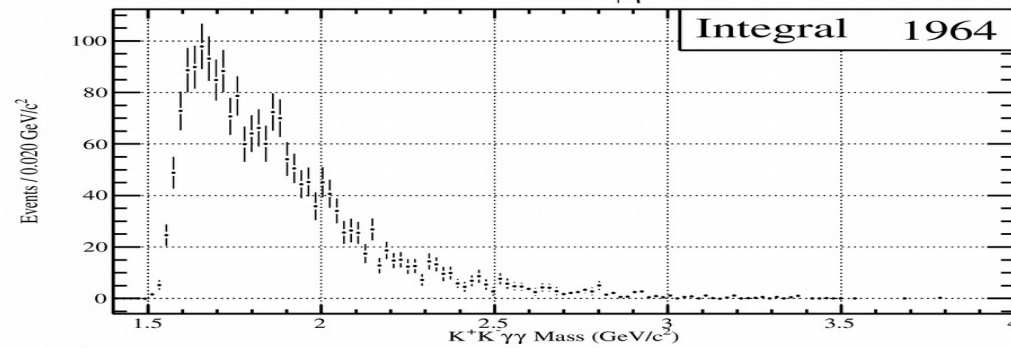


$K^+K^- \gamma\gamma$ Mass : $1 - Q_{\phi\eta}$ Weighted



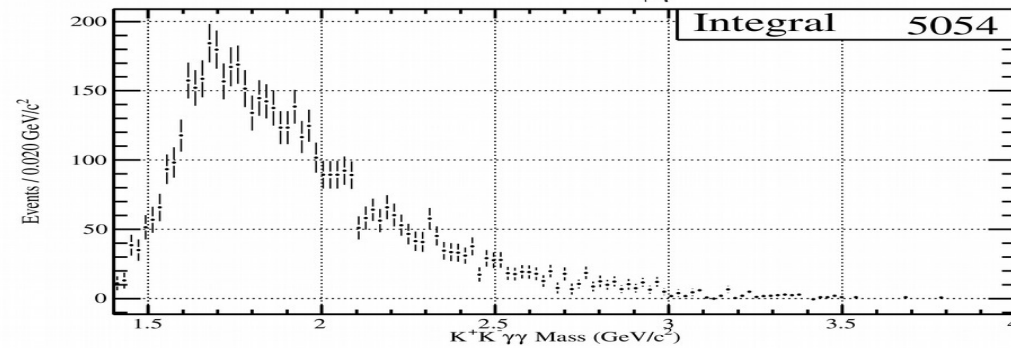
Before N^* Cut

$K^+K^- \gamma\gamma$ Mass : $Q_{\phi\eta}$ Weighted

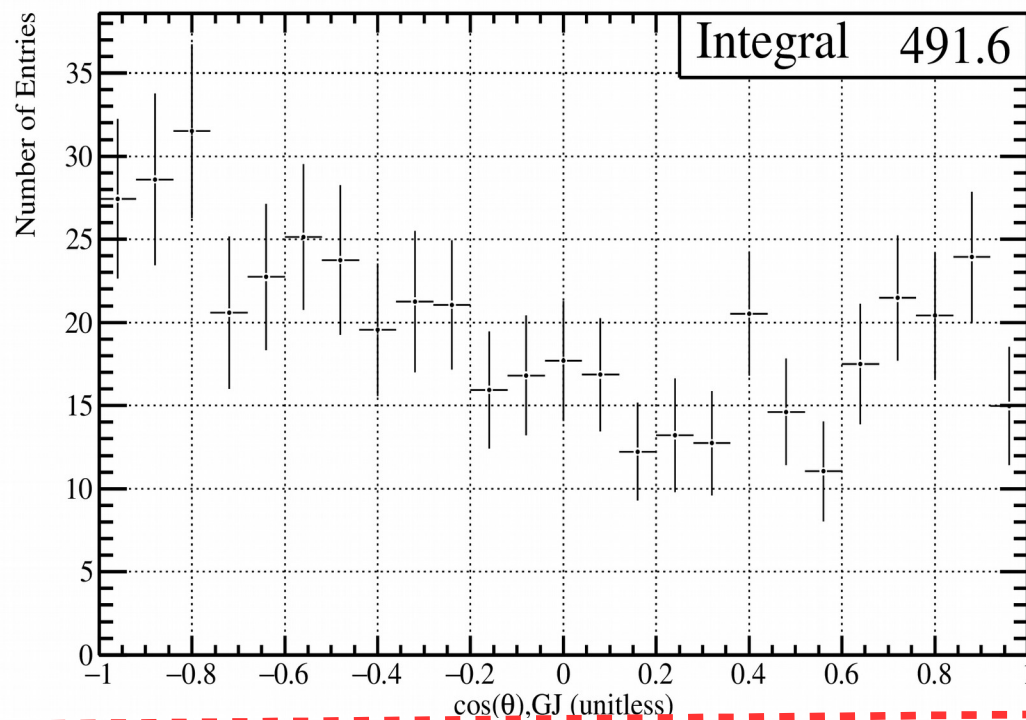


After N^* Cut

$K^+K^- \gamma\gamma$ Mass : $1 - Q_{\phi\eta}$ Weighted

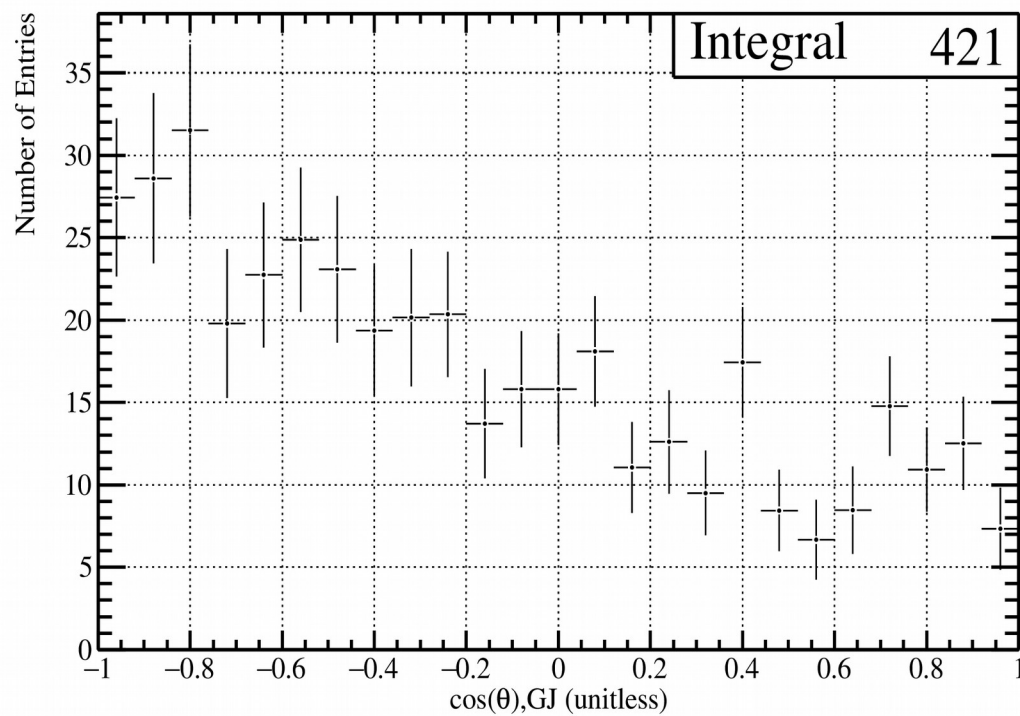


ProjectionY of binx=[11,15] [x=1.605..1.707]



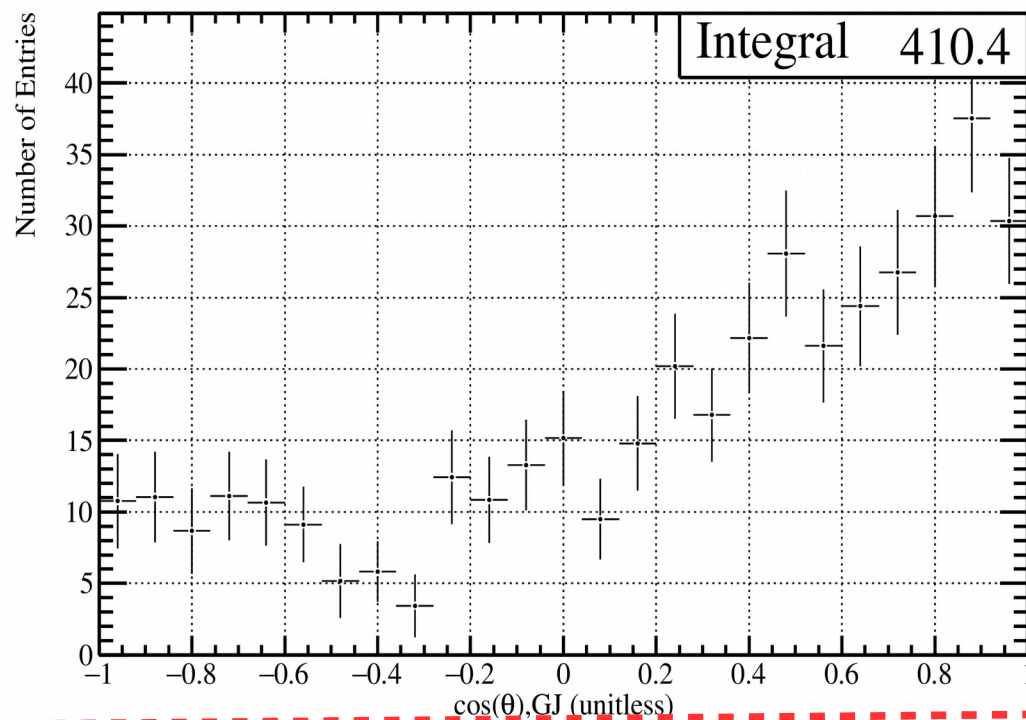
Before N^* Cut

ProjectionY of binx=[11,15] [x=1.605..1.707]



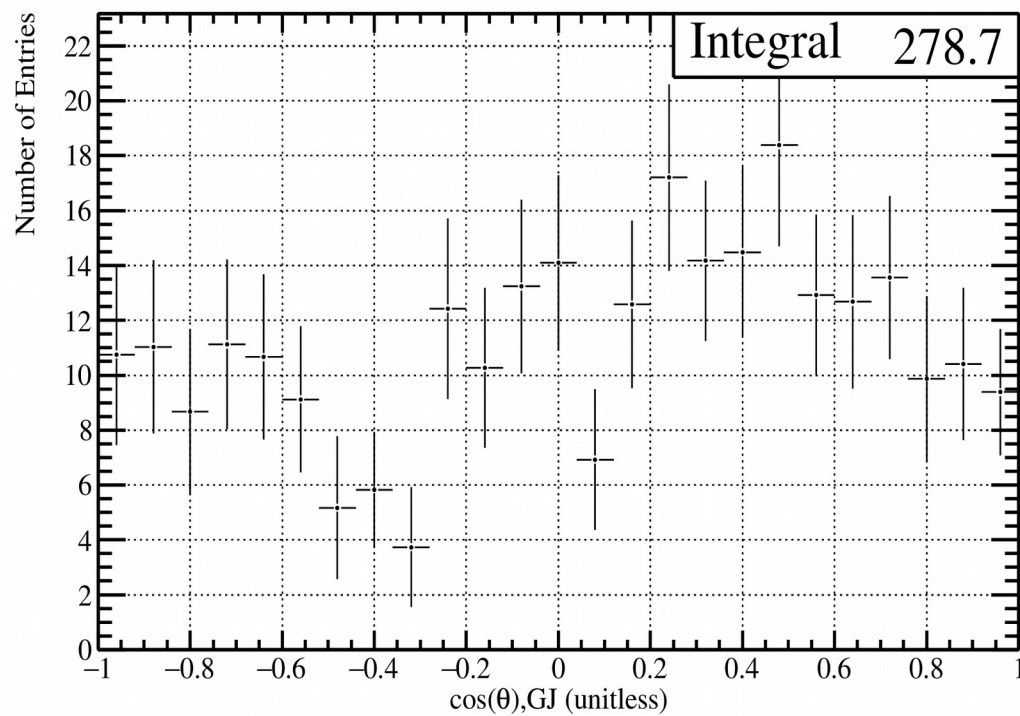
After N^* Cut

ProjectionY of binx=[21,25] [x=1.809..1.912]



Before N^* Cut

ProjectionY of binx=[21,25] [x=1.809..1.912]



After N^* Cut