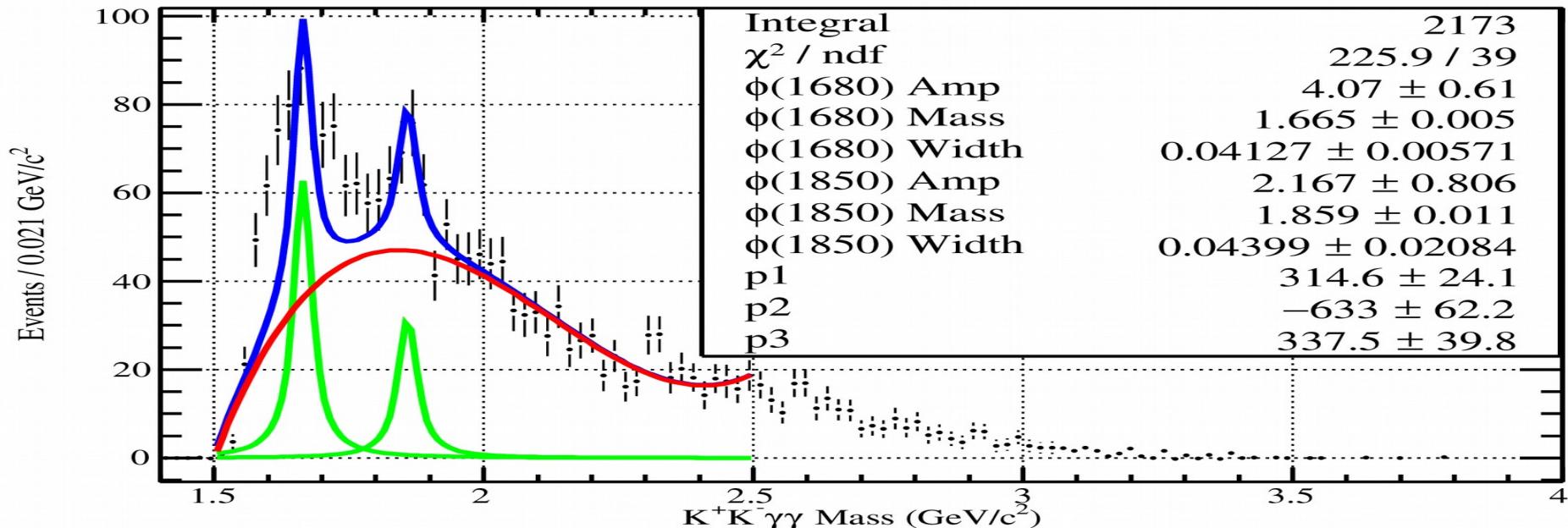


PhiEta Physics Results

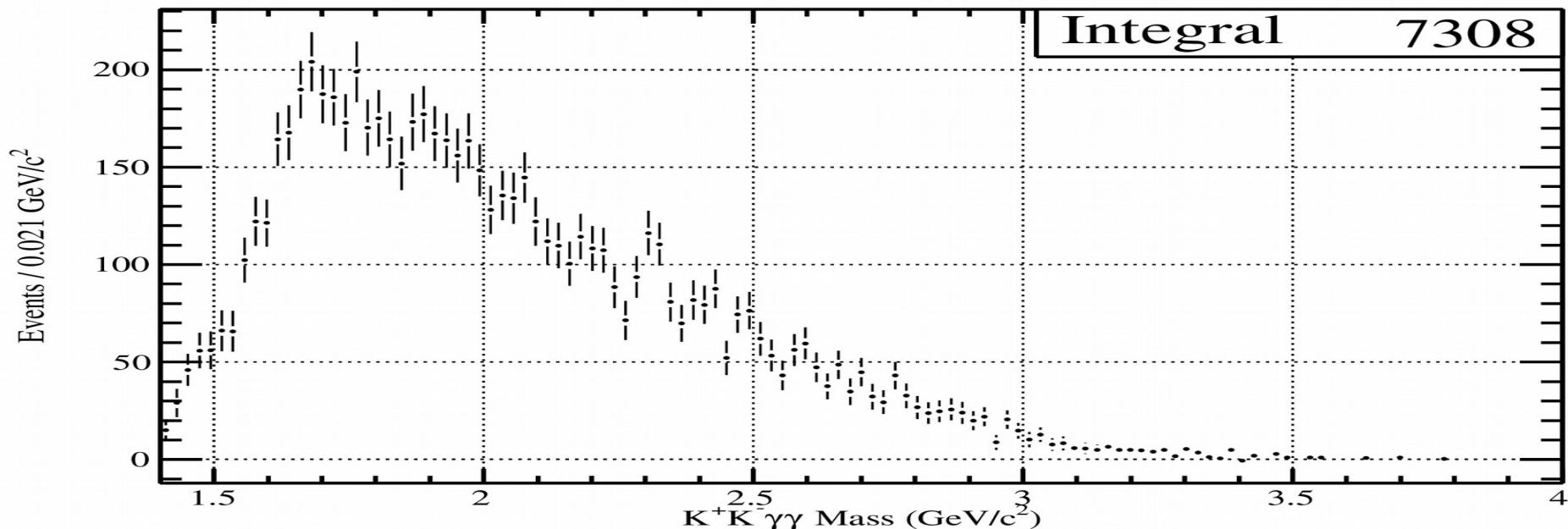
- We will look at 3 different data sets to start:
 - Qvalue_joint, Qvalue_phi, Monte Carlo
- For each data set, we will show:
 - PhiEta Invariant mass with fits
 - PhiEta Invariant mass Vs Cos(theta) GJ
 - PhiEta Invariant mass Vs Cos(theta) GJ: Projection [1629,1733]
 - PhiEta Invariant mass Vs Cos(theta) GJ: Projection [1795,1899]

KKgg Mass, 2 BW, QVal_joint

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

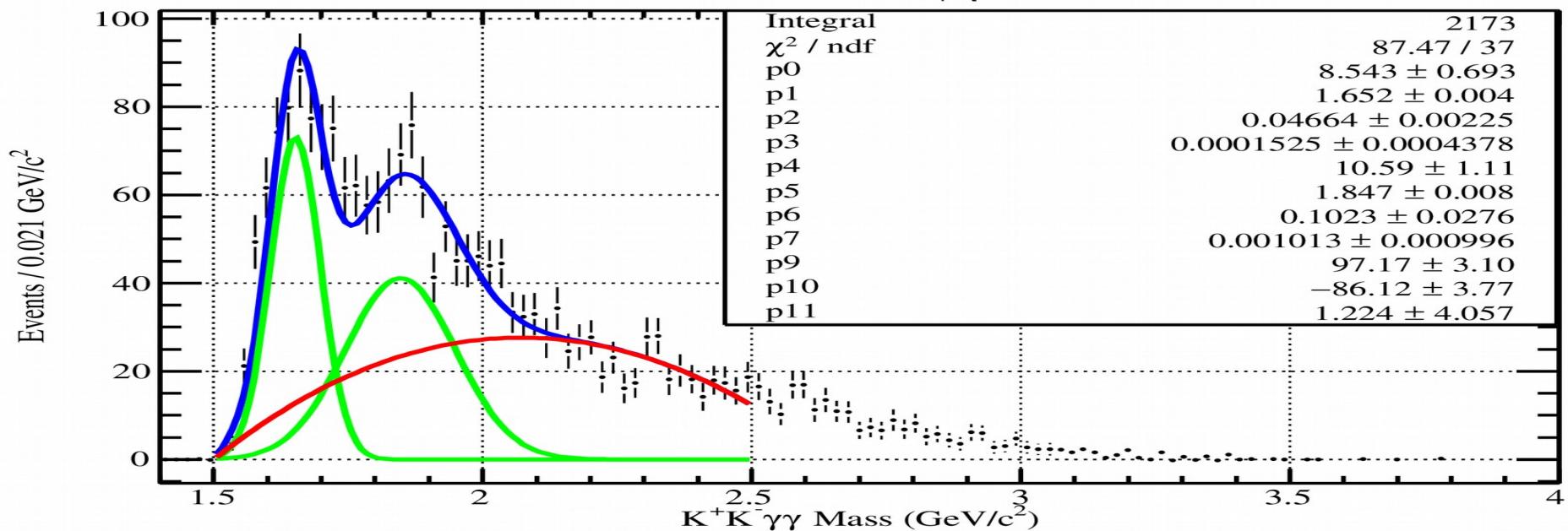


$K^+K\gamma\gamma$ Mass : $1 - Q_{\phi\eta}$ Weighted

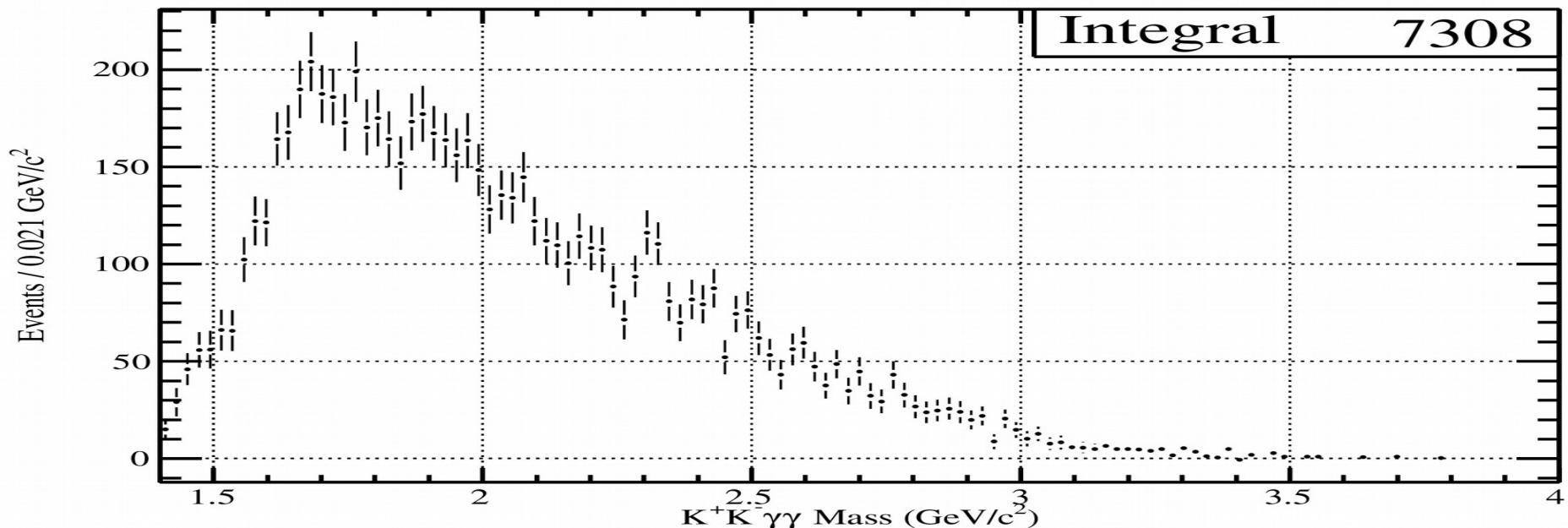


KKgg Mass, 2 Voigt, QVal joint

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

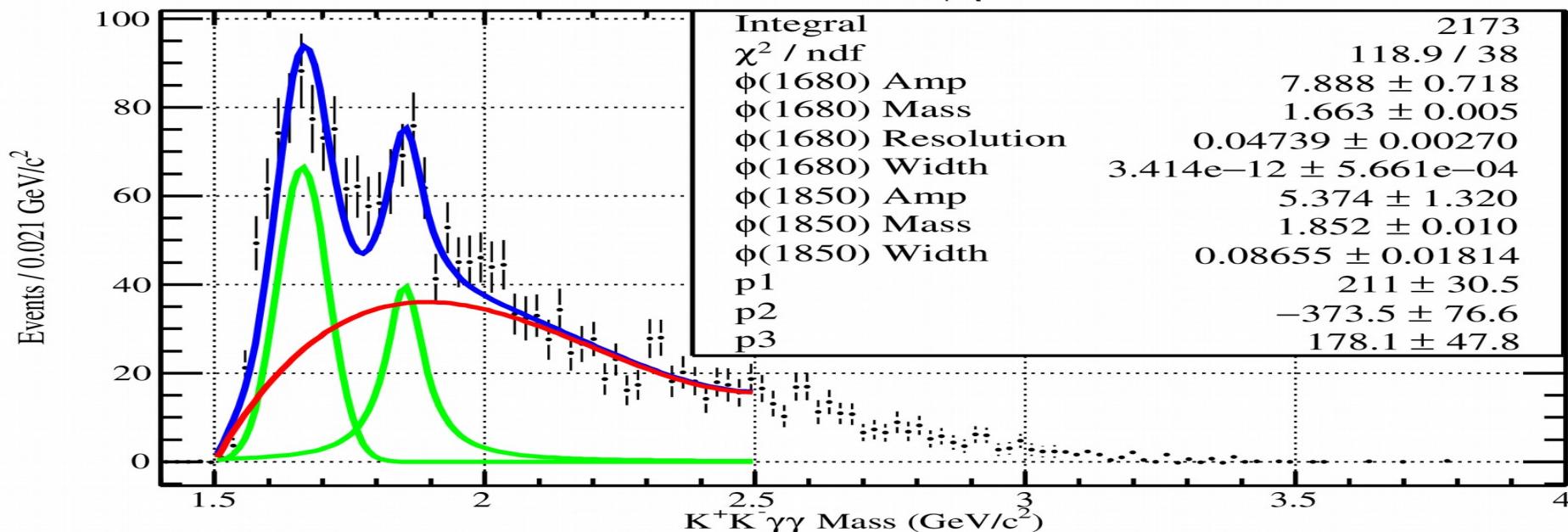


$K^+K\gamma\gamma$ Mass : $1 - Q_{\phi\eta}$ Weighted

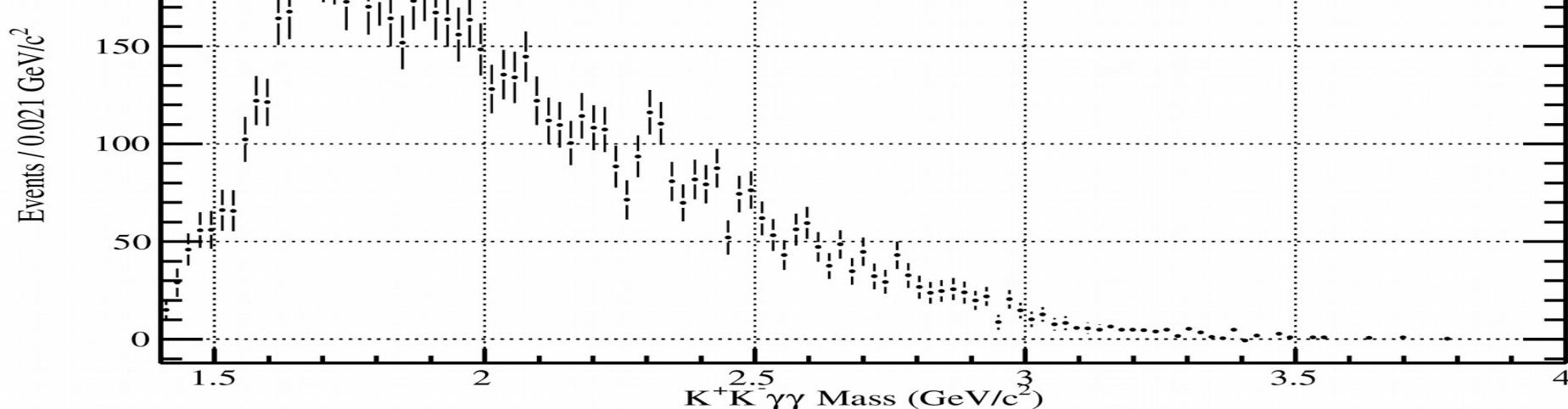


KKgg Mass, 1 Voigt, 1 BW, QVal_joint

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

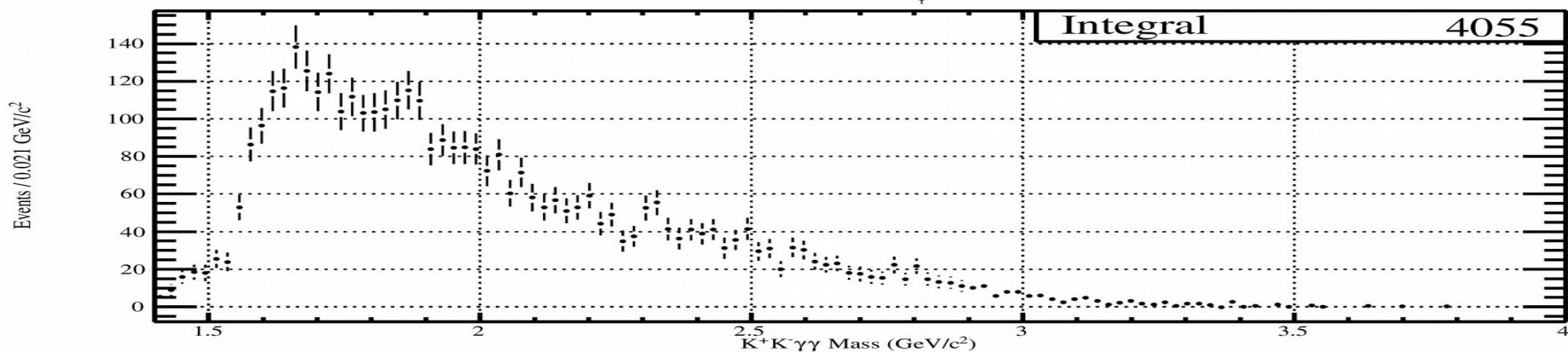


$\mathbf{K^+K\gamma\gamma}$ Mass : 1 - $Q_{\phi\eta}$ Weighted

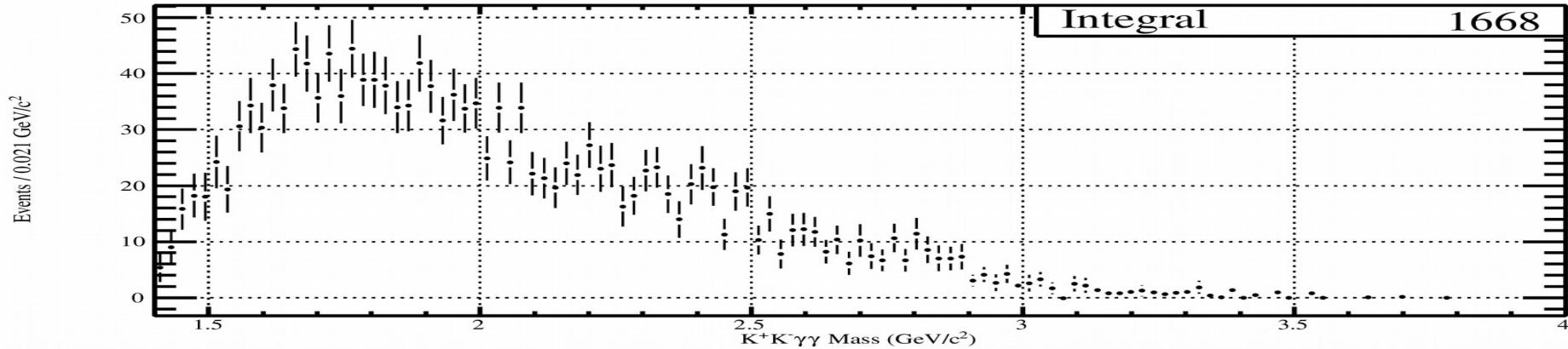


KKgg Mass, 1 Voigt, 1 BW, QVal_phi

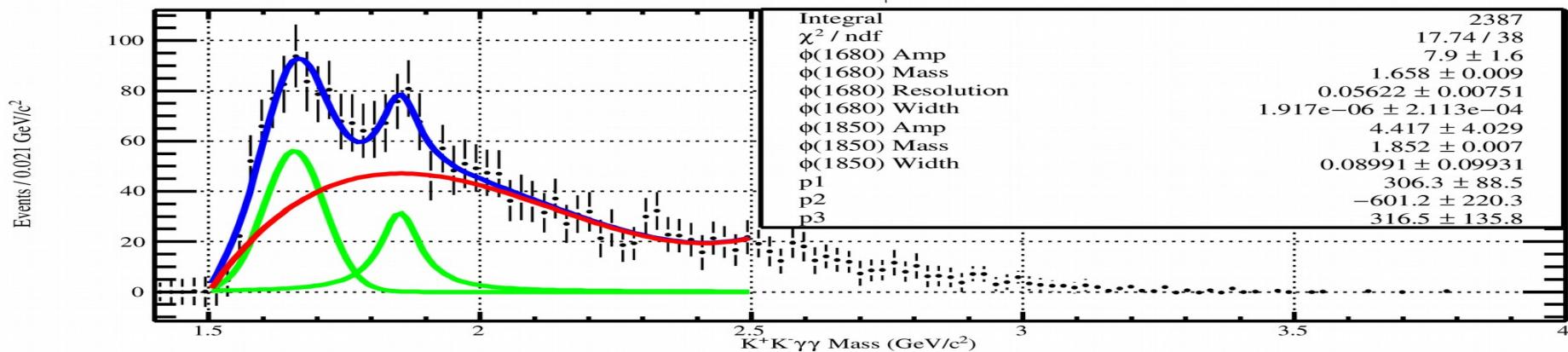
$\mathbf{K}^+\mathbf{K}^-\gamma\gamma$ Mass : Q_ϕ Weighted



$\mathbf{K}^+\mathbf{K}^-\gamma\gamma$ Mass : $Q_\phi^*(1 - w_\eta)$ Weighted

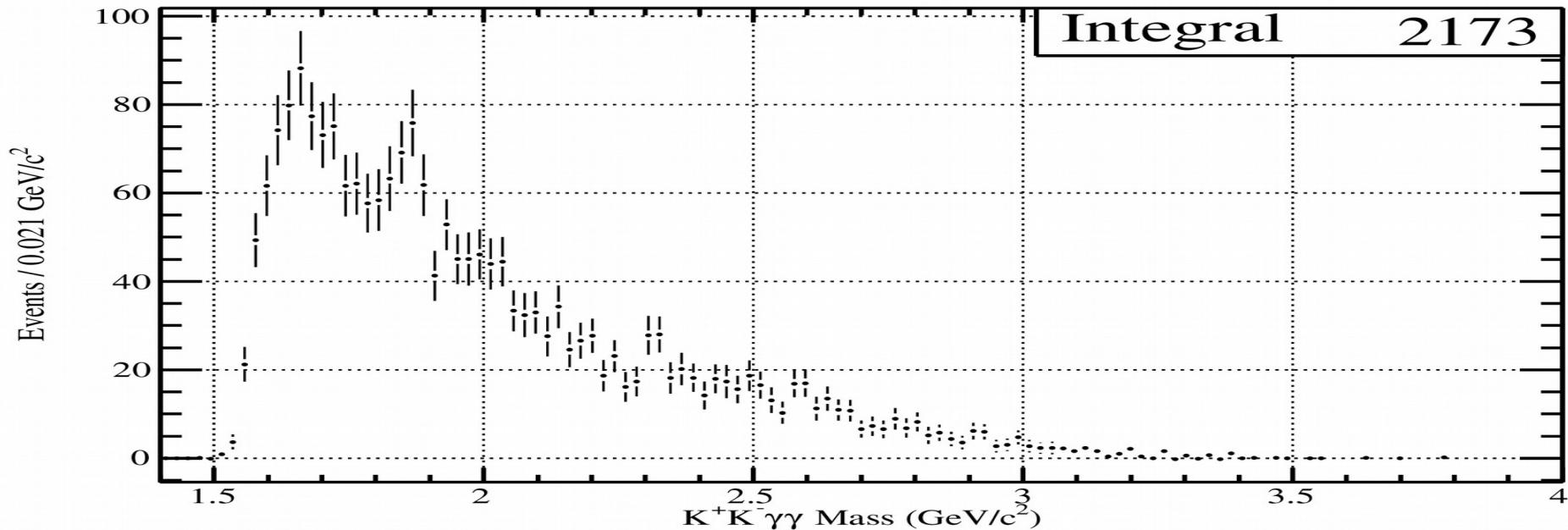


$\mathbf{K}^+\mathbf{K}^-\gamma\gamma$ Mass : $Q_\phi^*w_\eta$ Weighted

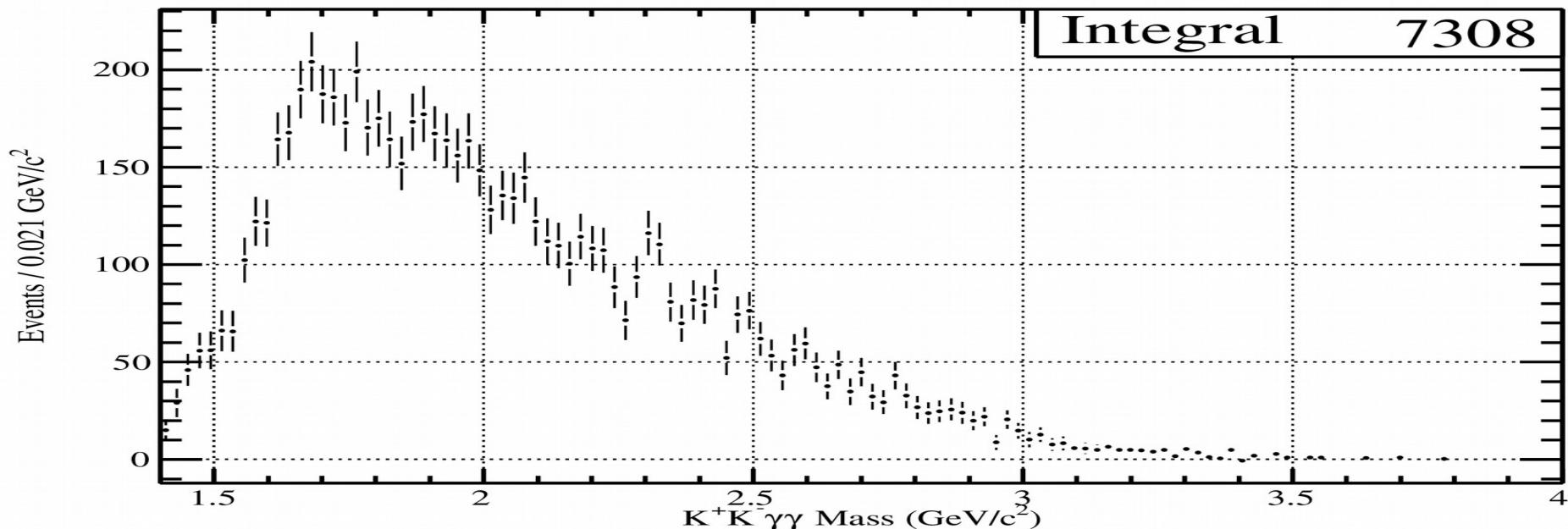


KKgg Mass, Q_{joint}

K⁺K⁻ $\gamma\gamma$ Mass : Q _{$\phi\eta$} Weighted



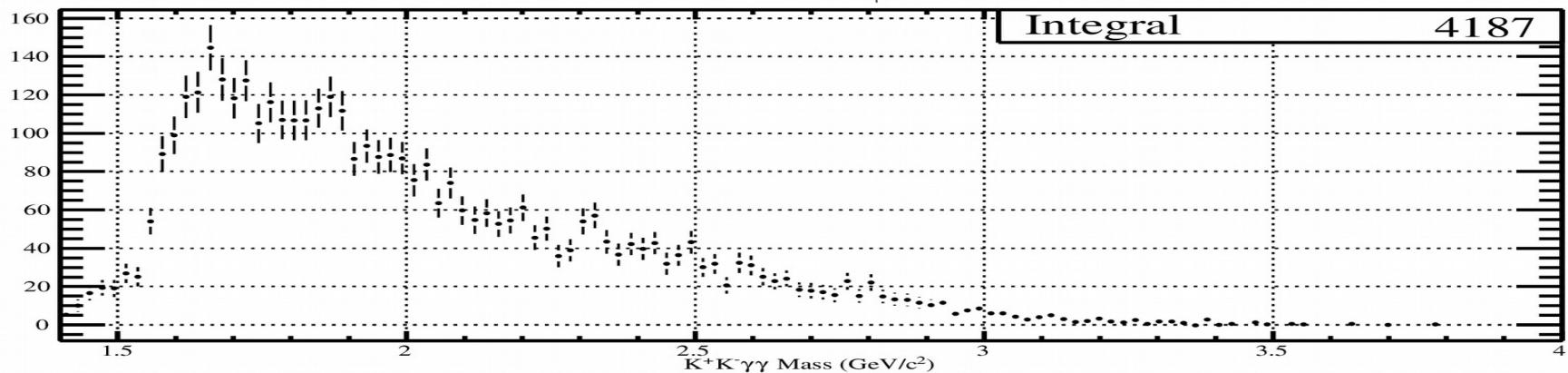
K⁺K⁻ $\gamma\gamma$ Mass : 1 - Q _{$\phi\eta$} Weighted



KKgg Mass, Q_phi

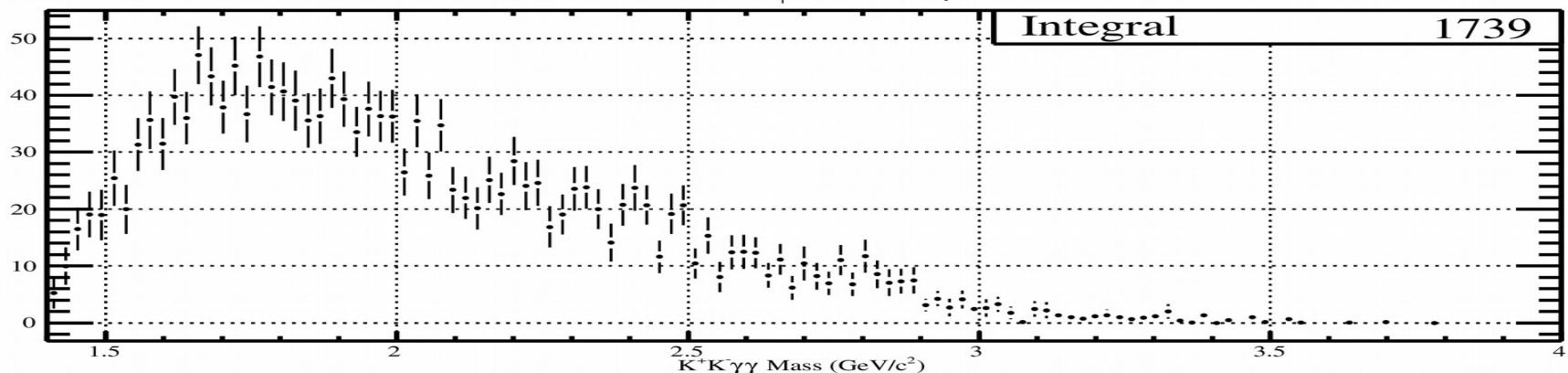
$\text{K}^+\text{K}^- \gamma\gamma$ Mass : Q_ϕ Weighted

Events / 0.021 GeV/c²



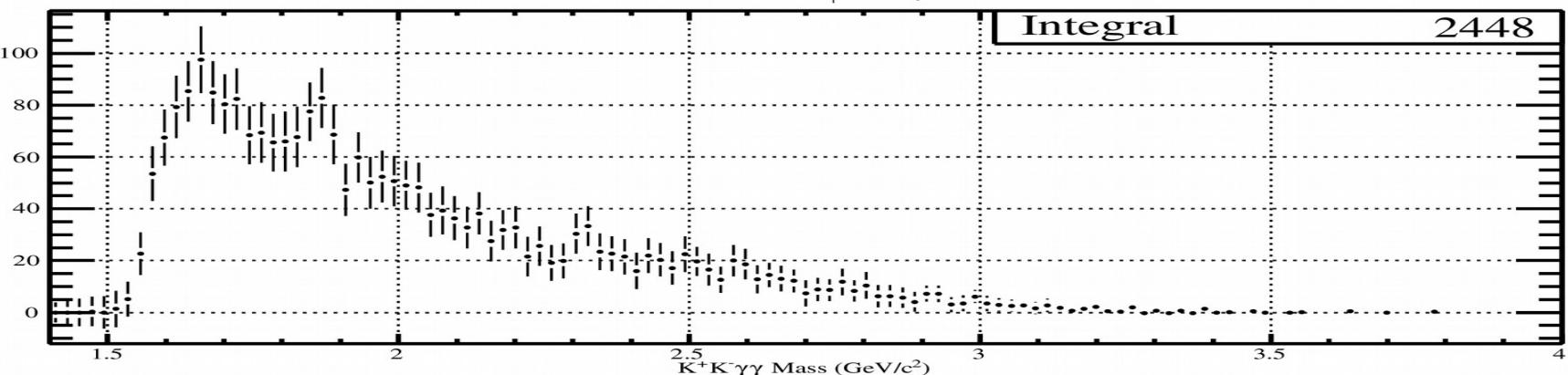
$\text{K}^+\text{K}^- \gamma\gamma$ Mass : $Q_\phi^*(1 - Q_\eta)$ Weighted

Events / 0.021 GeV/c²



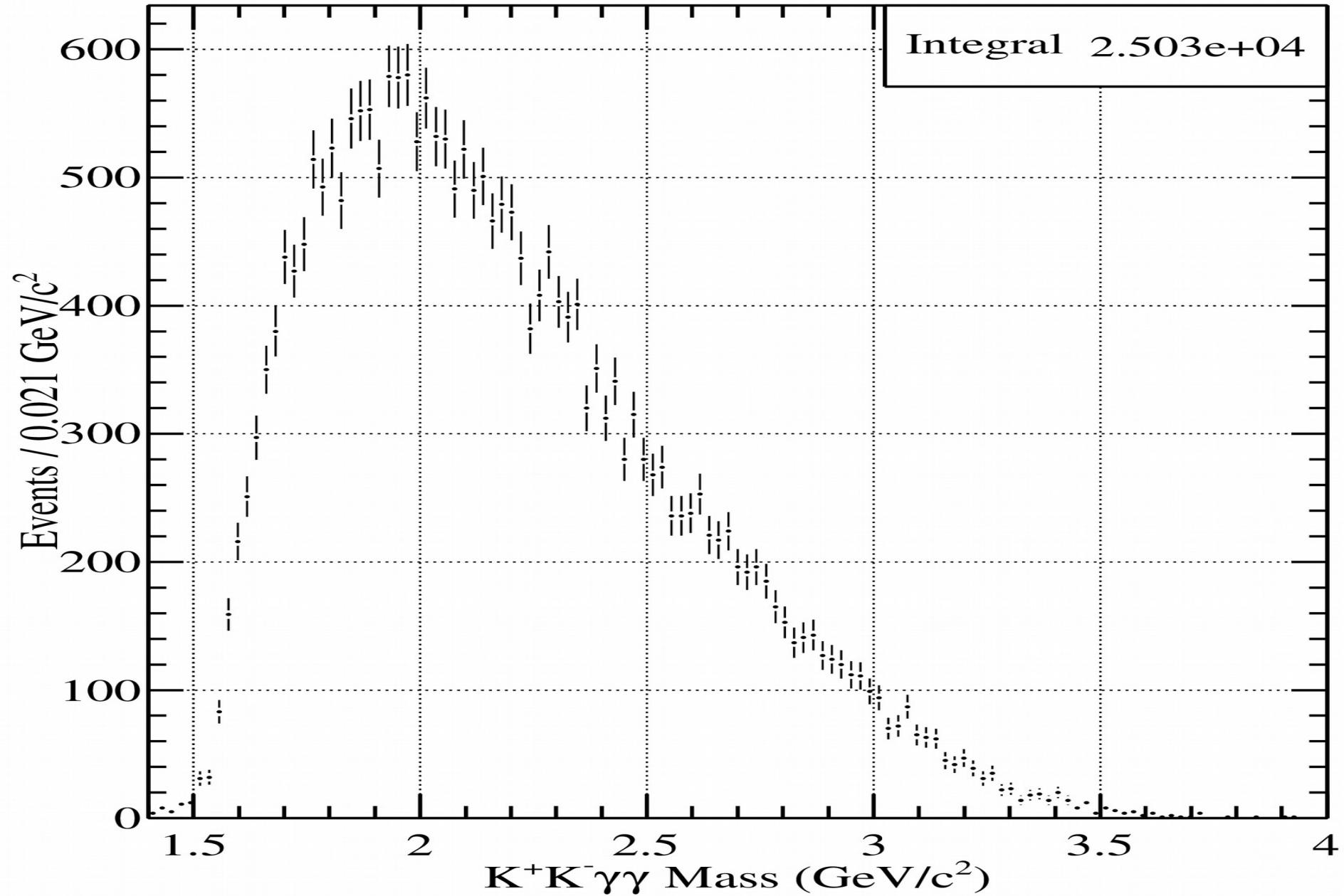
$\text{K}^+\text{K}^- \gamma\gamma$ Mass : $Q_\phi^*Q_\eta$ Weighted

Events / 0.021 GeV/c²



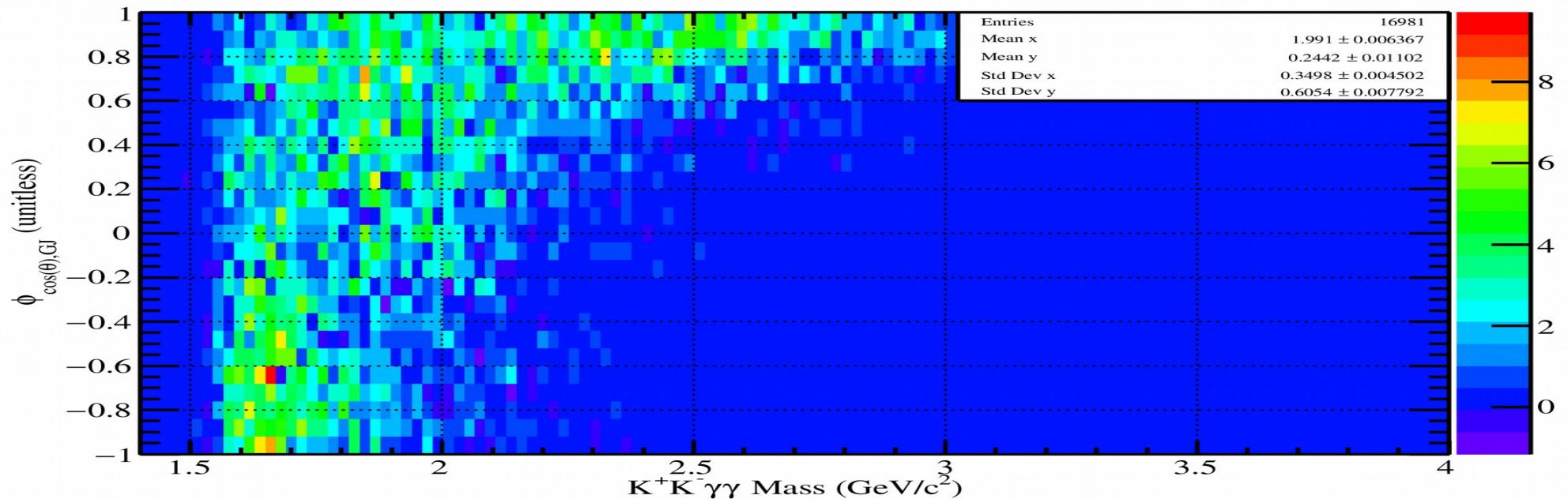
KKgg Mass, MC

$\mathbf{K^+K^-\gamma\gamma}$ Mass : Accepted Monte Carlo

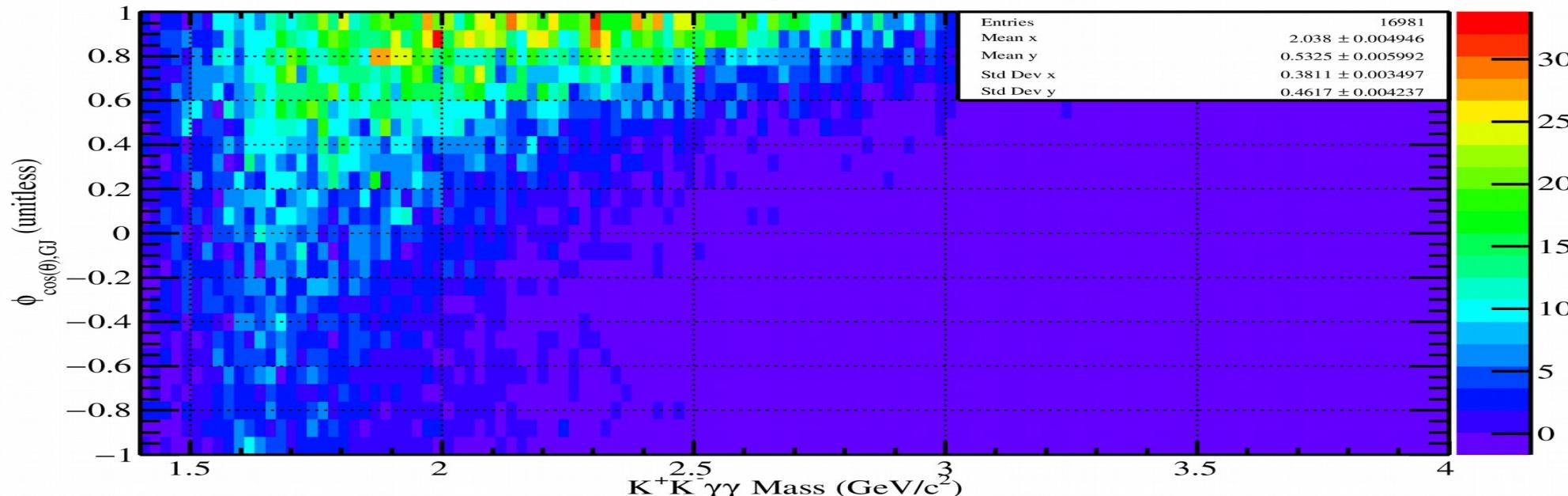


KKgg Mass Vs CosGJ, Q_{joint}

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

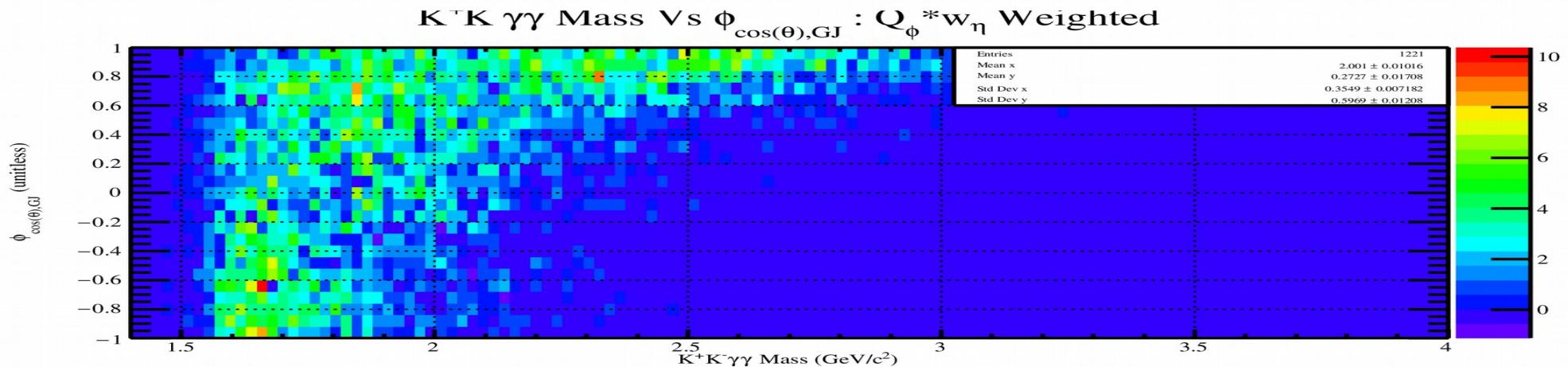
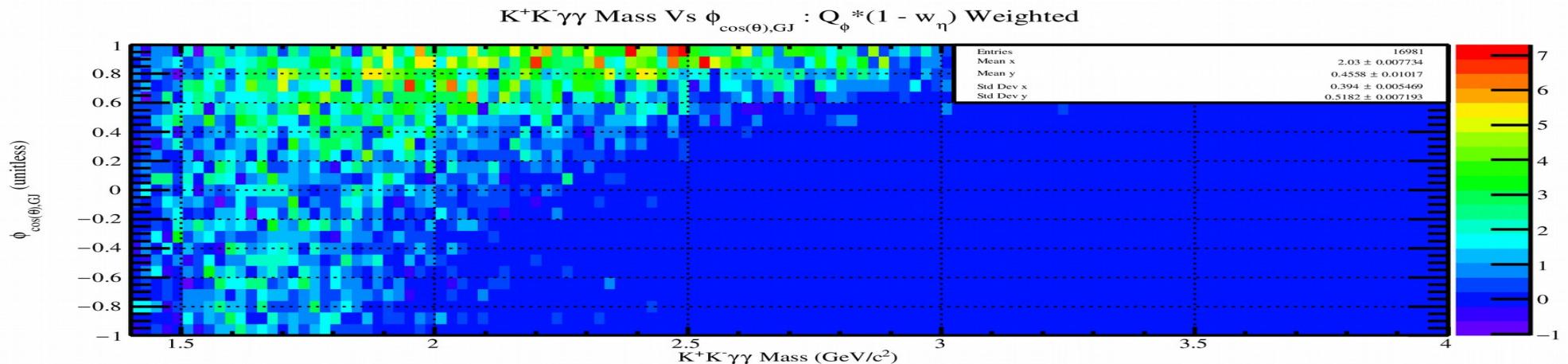
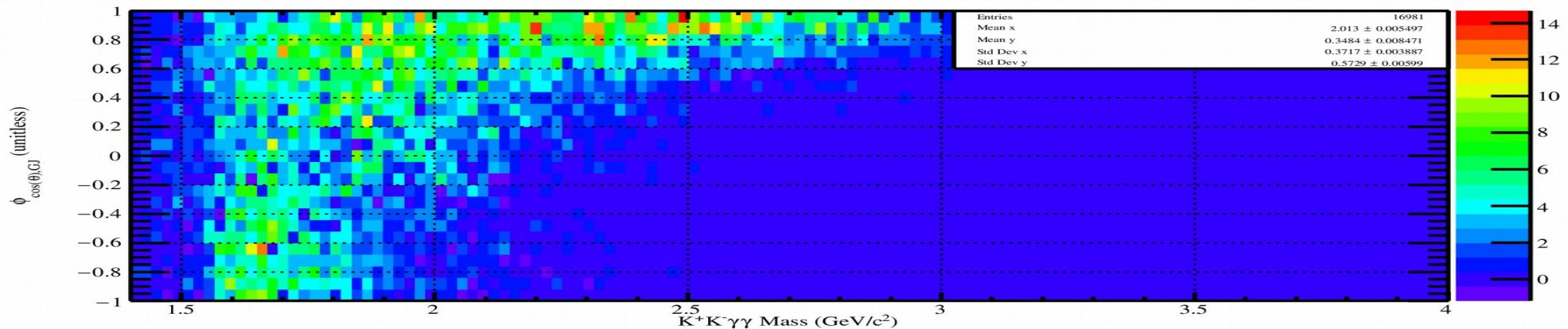


$K^+K^-\gamma\gamma$ Mass Vs $\phi_{cos(\theta), GJ}$: $1 - Q_{\phi\eta}$ Weighted



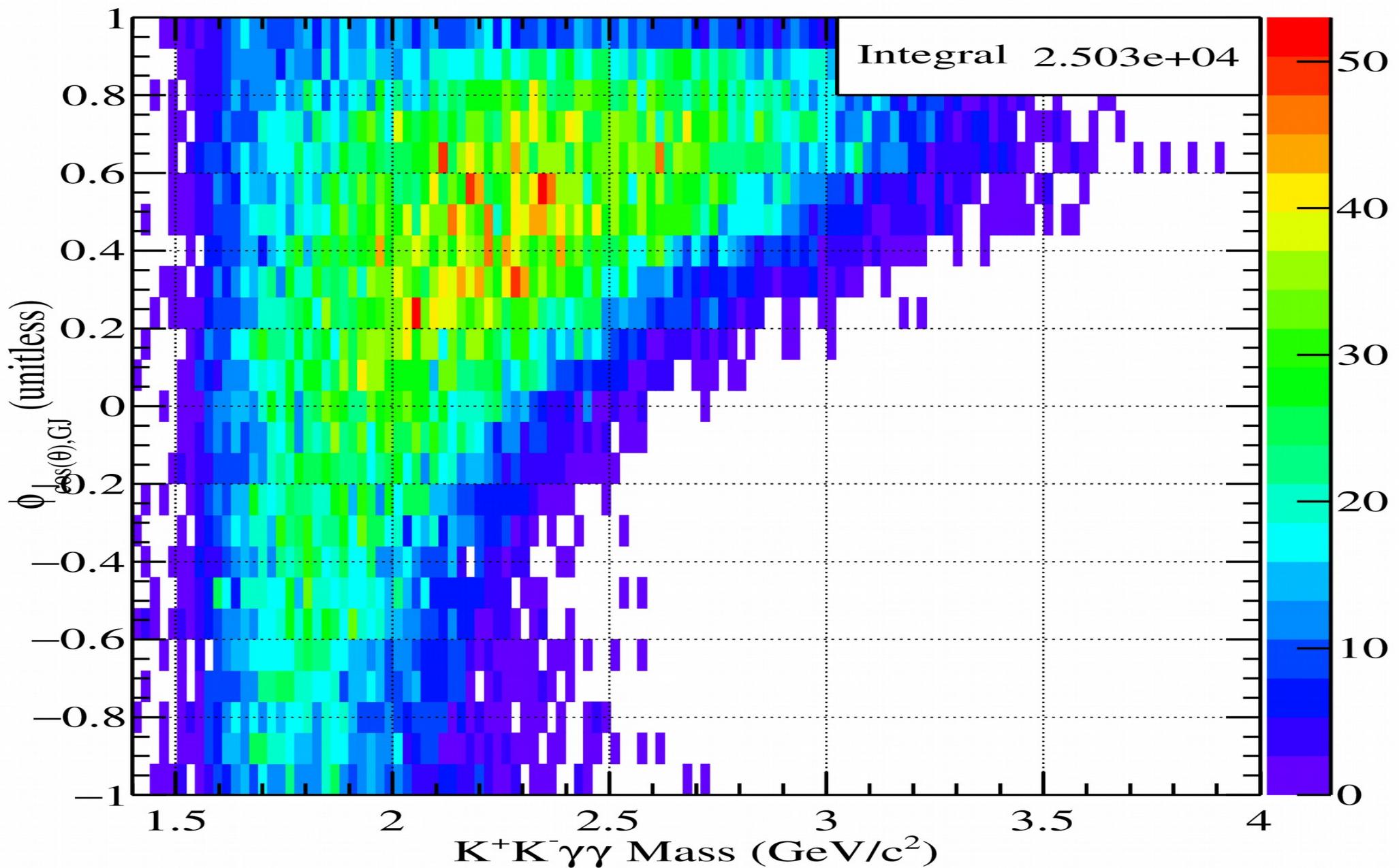
KKgg Mass Vs CosGJ, Q_phi

$K^+K^-\gamma\gamma$ Mass Vs $\phi_{cos(\theta),GJ}$: Q_ϕ Weighted



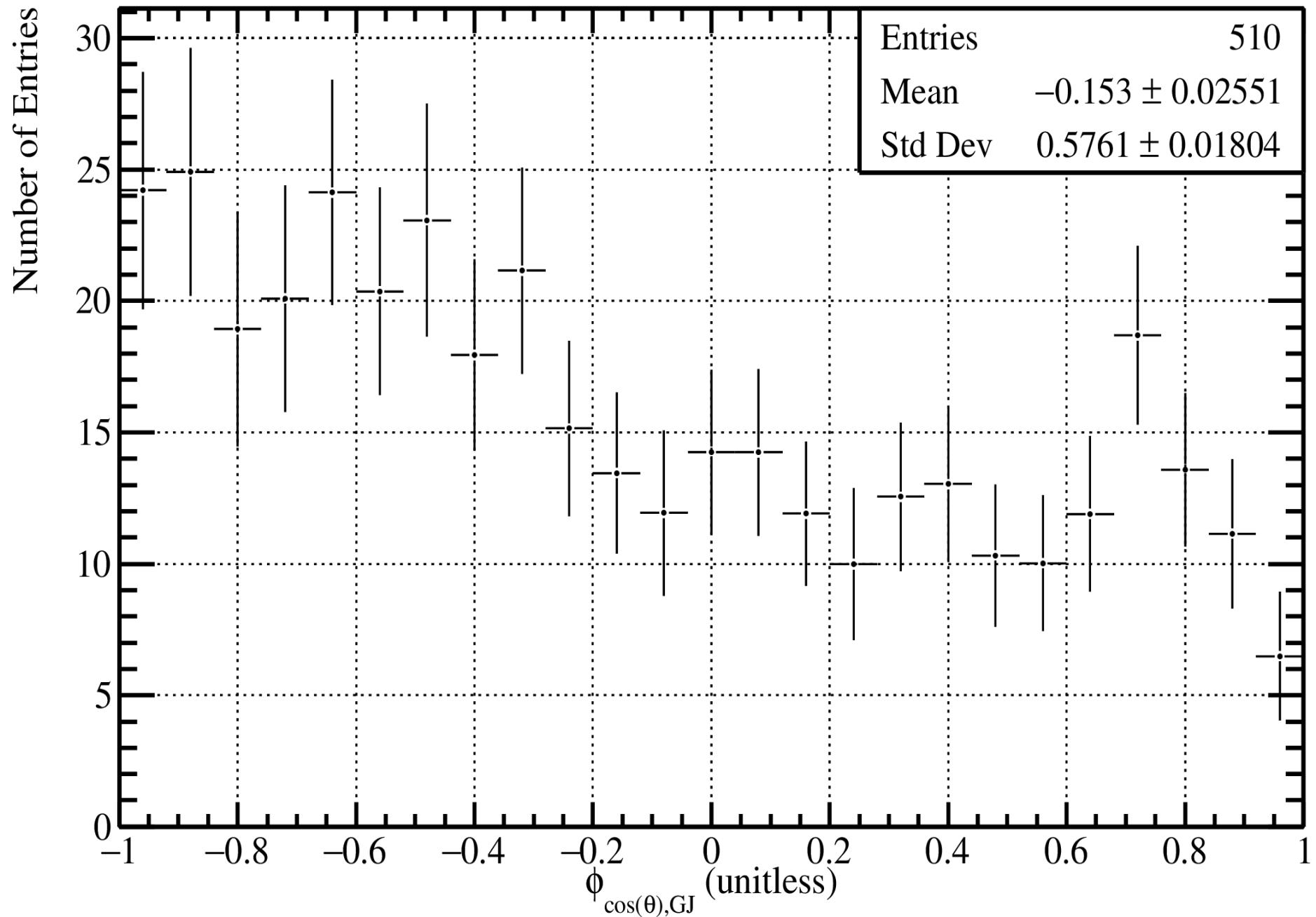
KKgg Mass Vs CosGJ, MC

$K^+K^-\gamma\gamma$ Mass Vs $\phi_{\cos(\theta), GJ}$: Accepted Monte Carlo



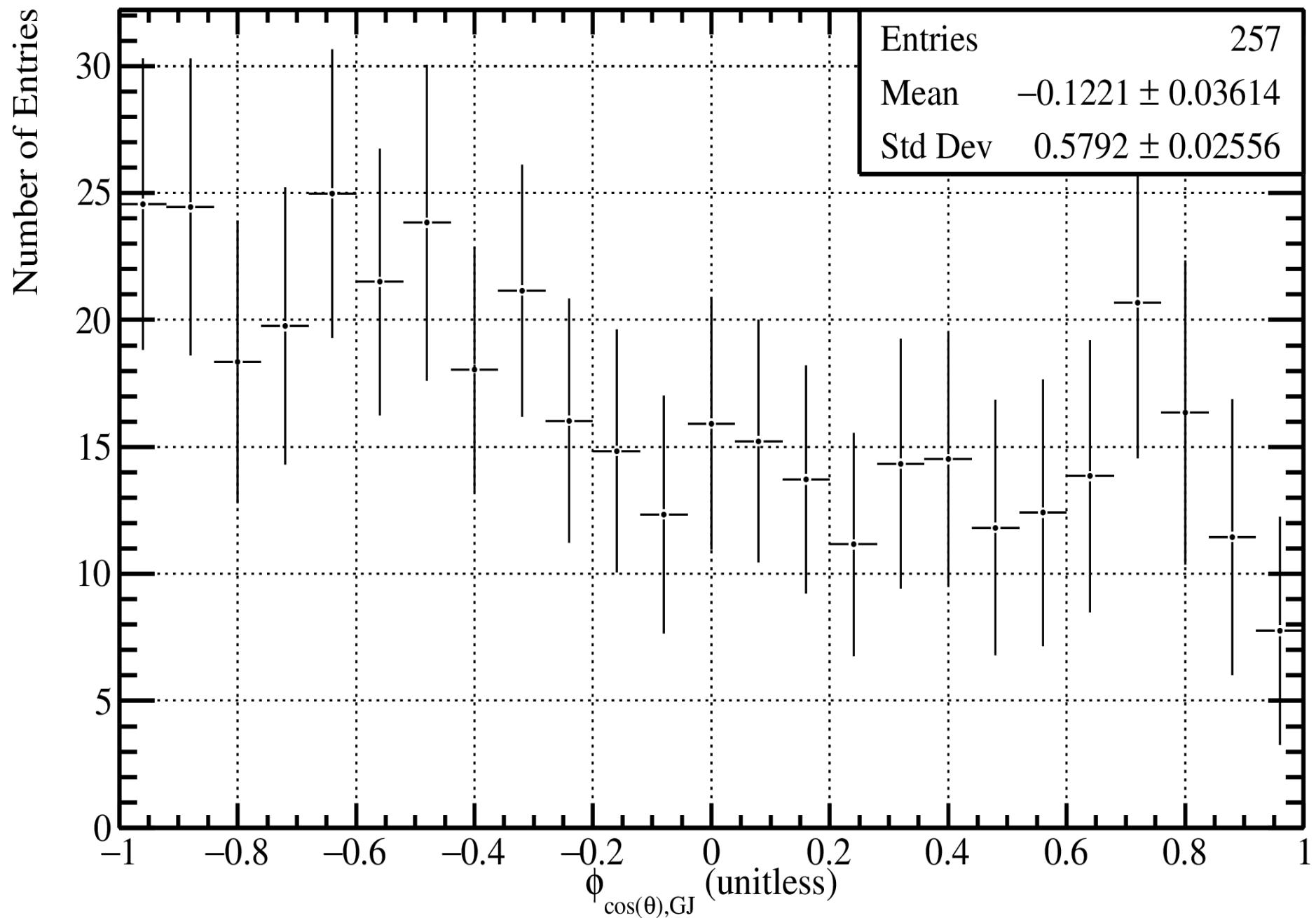
KKgg Mass Vs CosGJ Proj., Q_j joint

ProjectionY of binx=[12,16] [x=1.629..1.733]



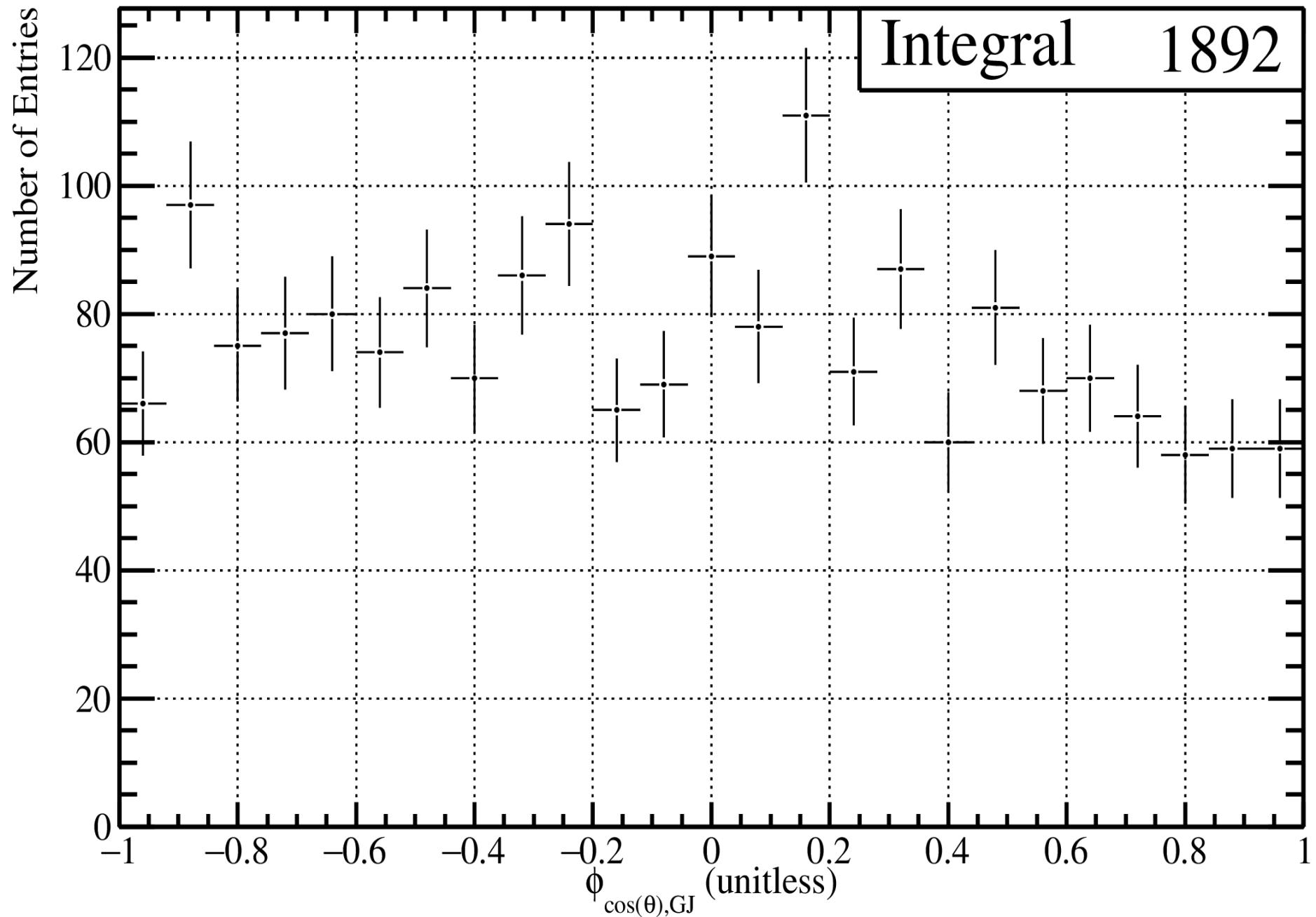
KKgg Mass Vs CosGJ Proj., Q_phi

ProjectionY of binx=[12,16] [x=1.629..1.733]



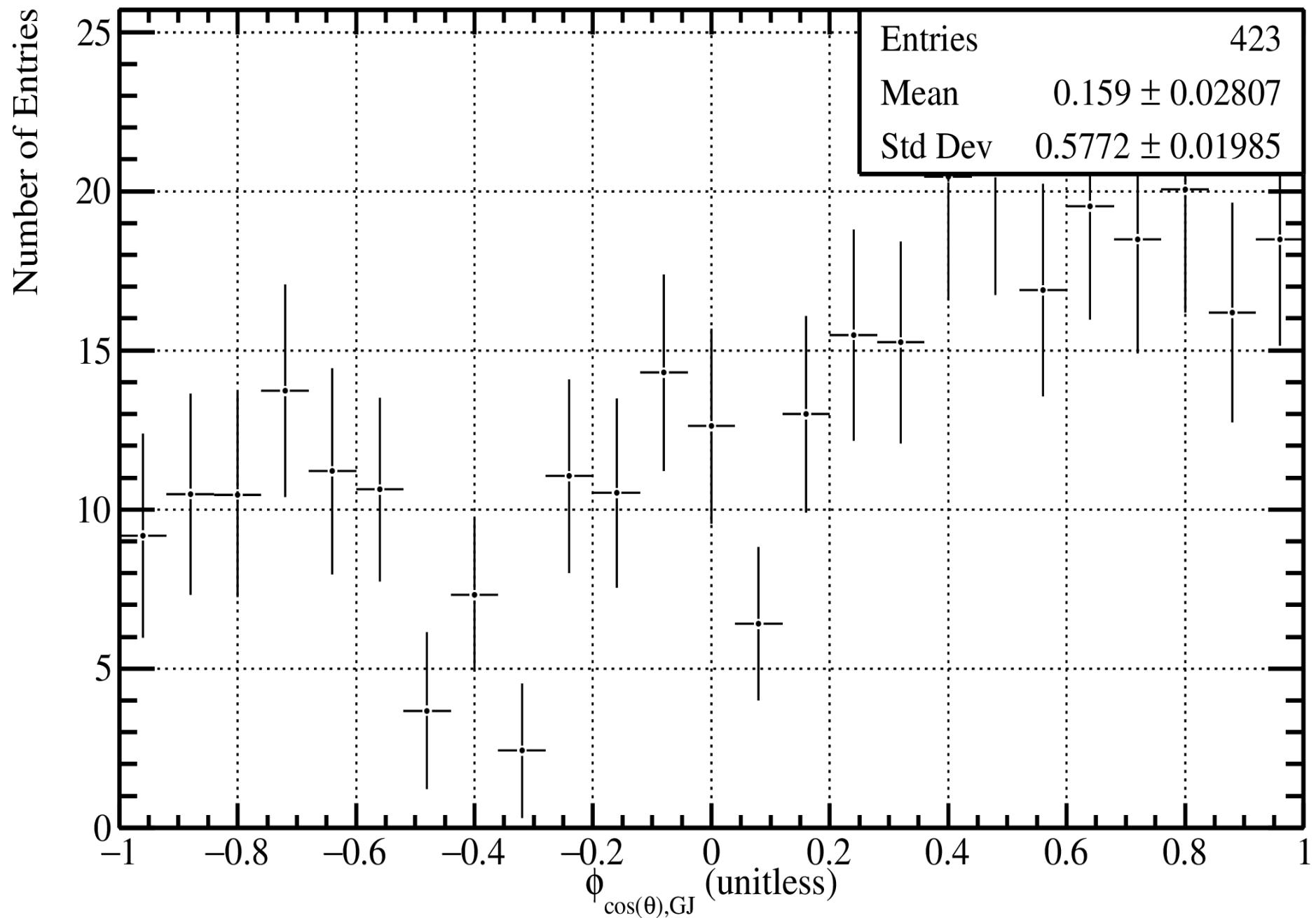
KKgg Mass Vs CosGJ Proj., MC

ProjectionY of binx=[12,16] [x=1.629..1.733]



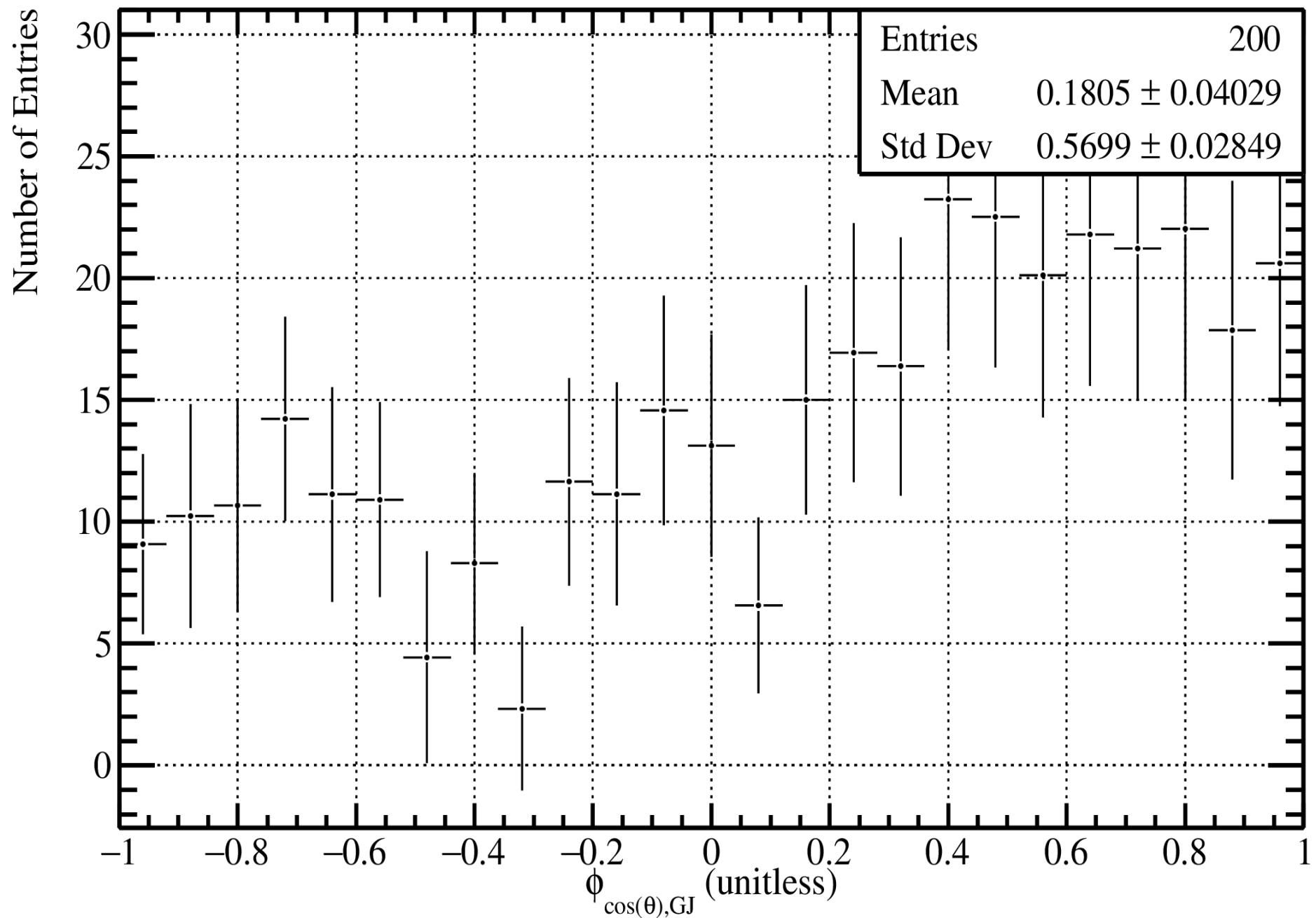
KKgg Mass Vs CosGJ Proj., Q_{joint}

ProjectionY of binx=[20,24] [x=1.795..1.899]



KKgg Mass Vs CosGJ Proj., Q_phi

ProjectionY of binx=[20,24] [x=1.795..1.899]



KKgg Mass Vs CosGJ Proj., MC

ProjectionY of binx=[20,24] [x=1.795..1.899]

