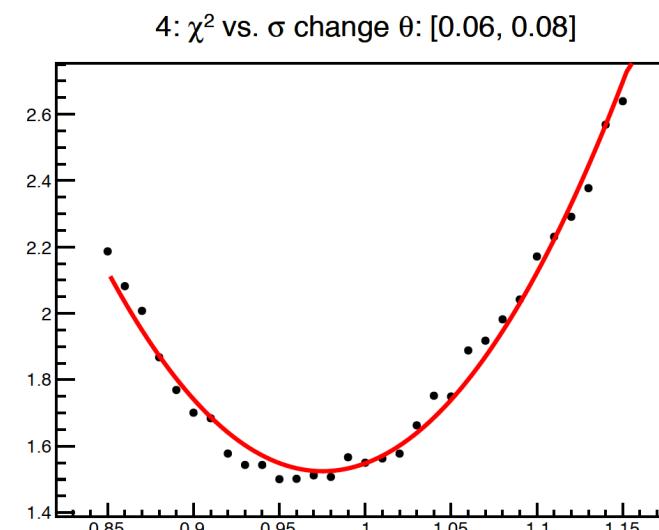
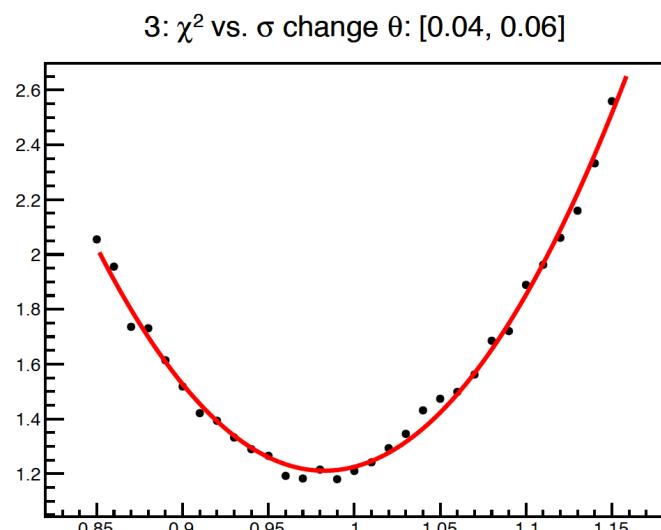
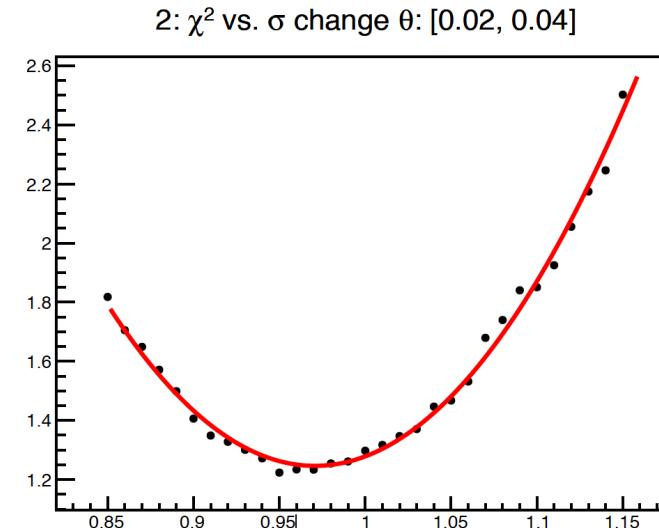
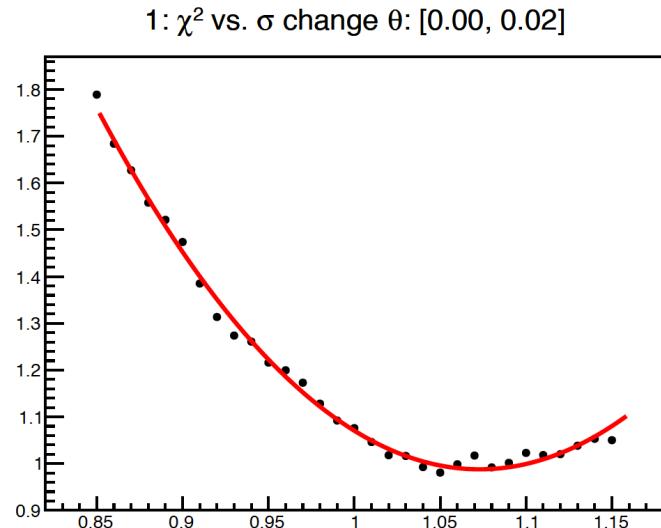
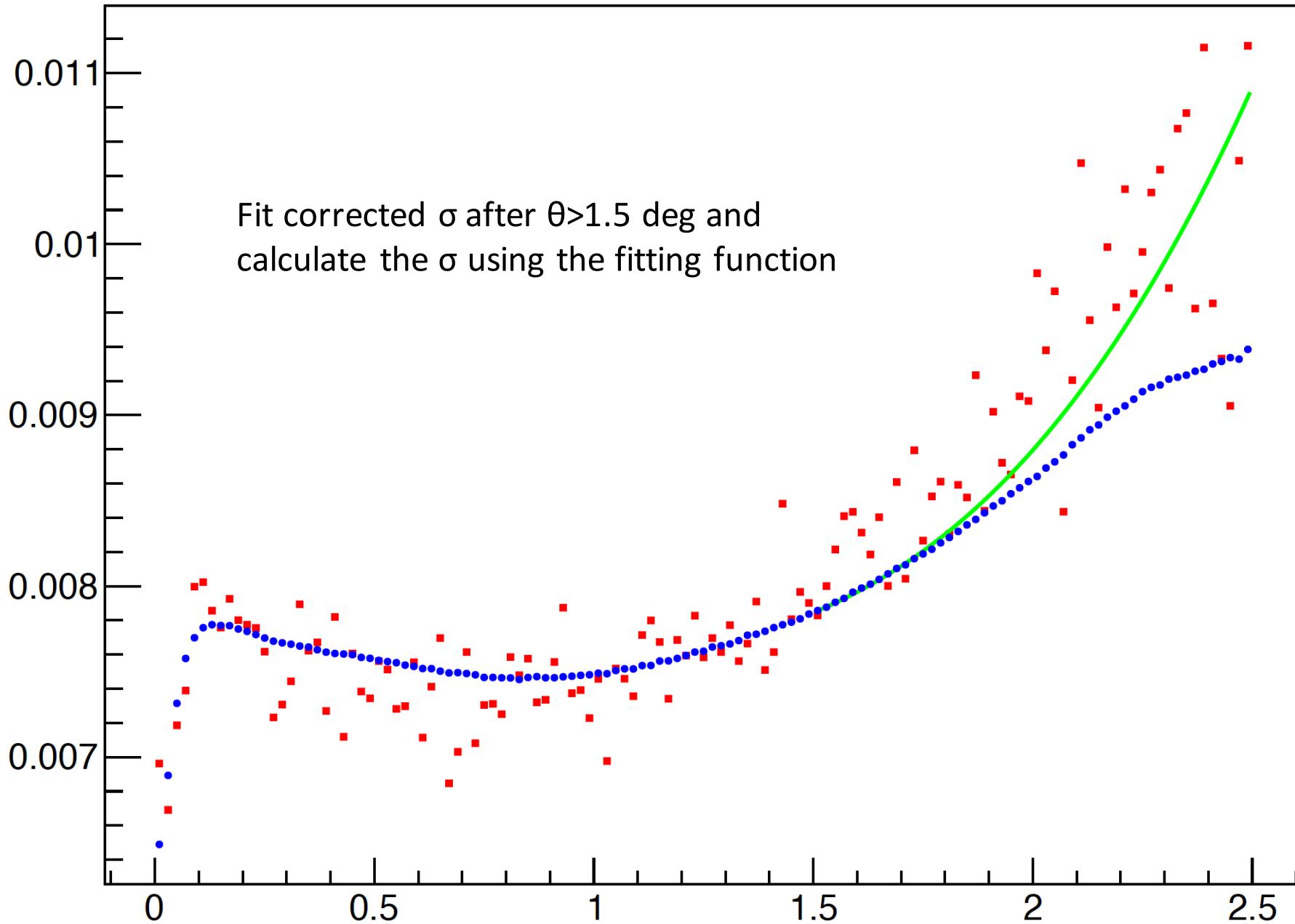


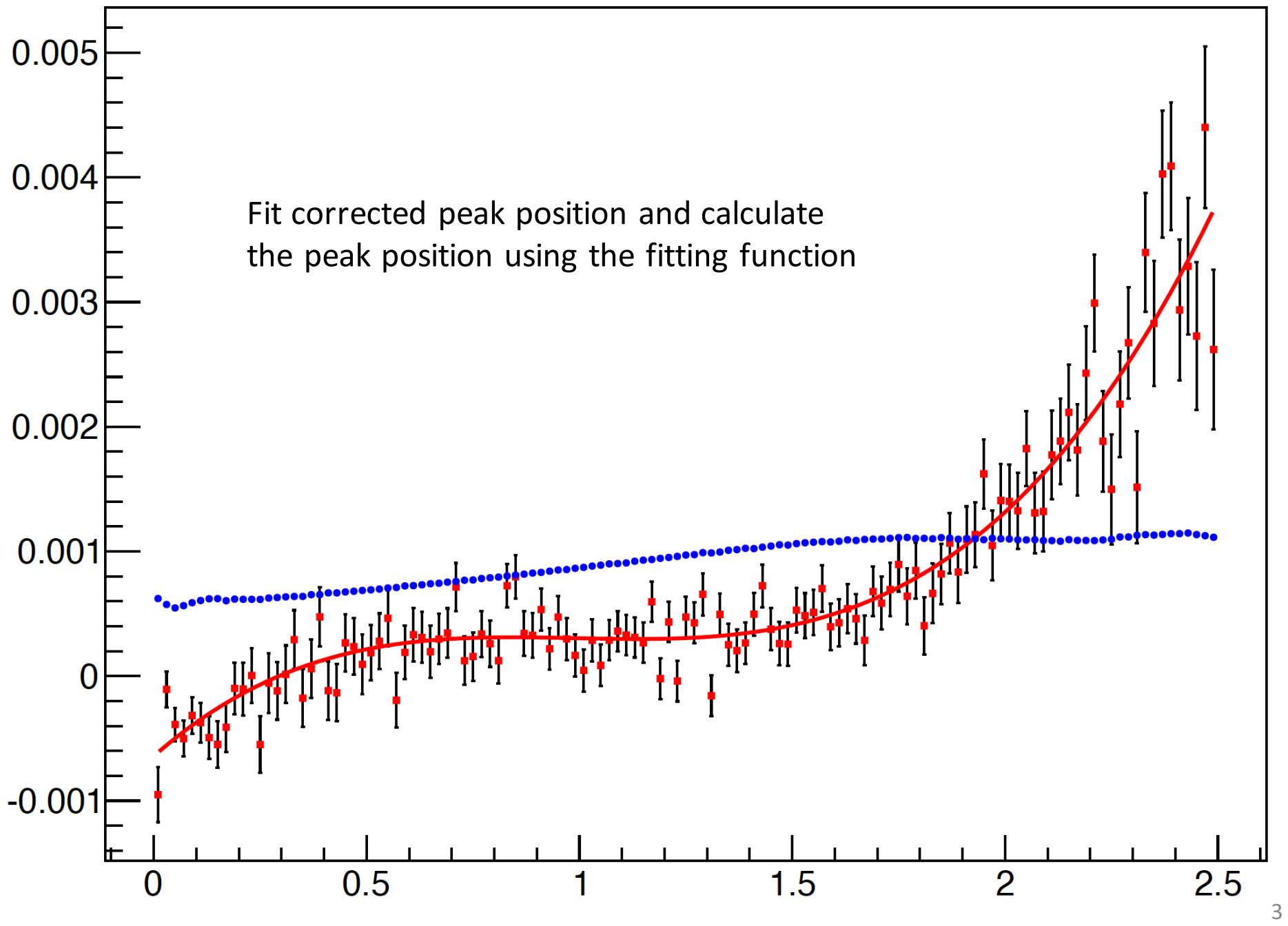
- Optimize the Monte Carlo peak position and sigma to better match data by minimizing χ^2 when fitting rotated mass



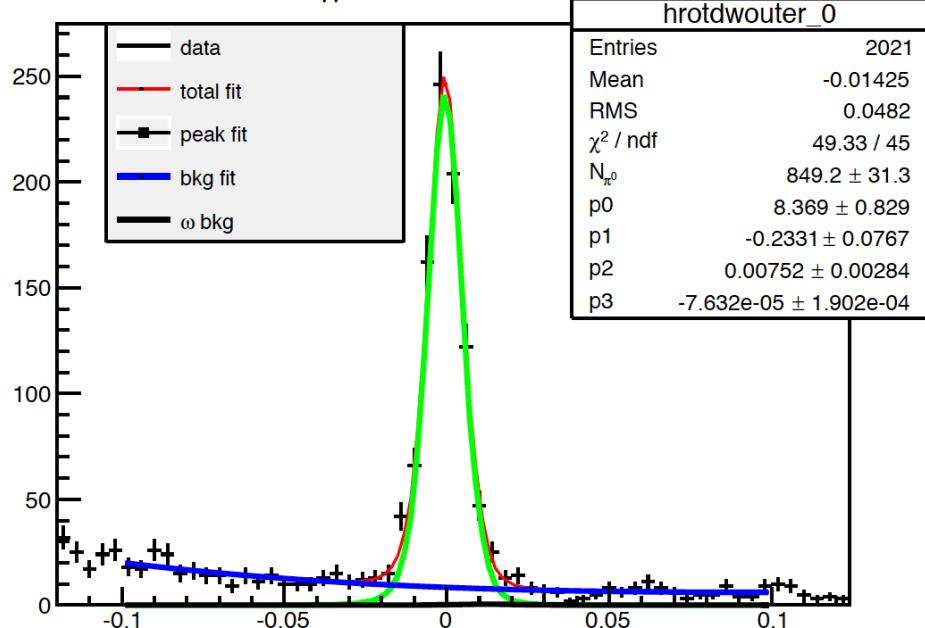
M.C. σ vs. θ before and after correction



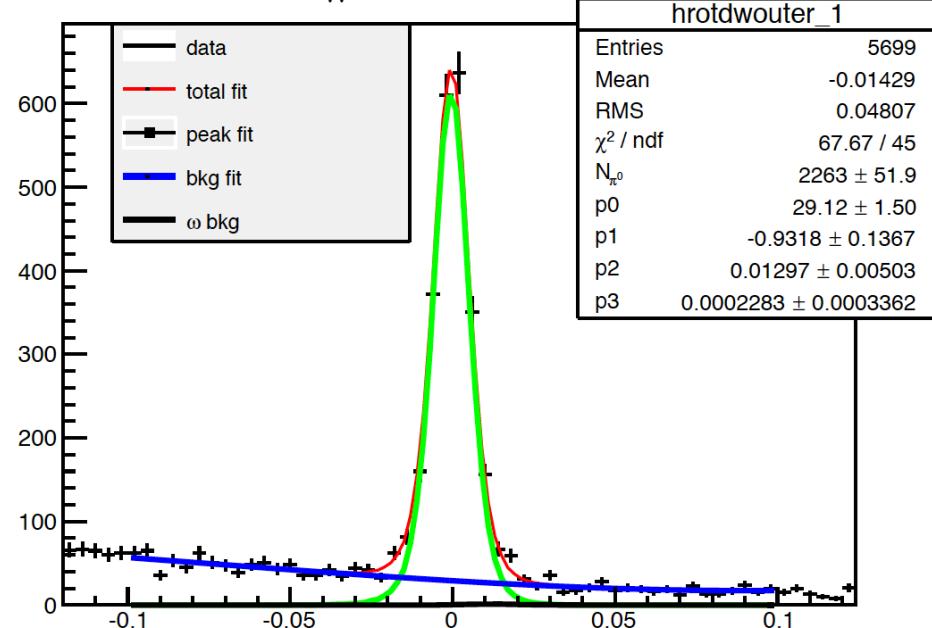
M.C. mean vs. θ before and after correction



1: rotated $m_{\gamma\gamma}$ w/ outer layer $\theta [0.00, 0.02]$

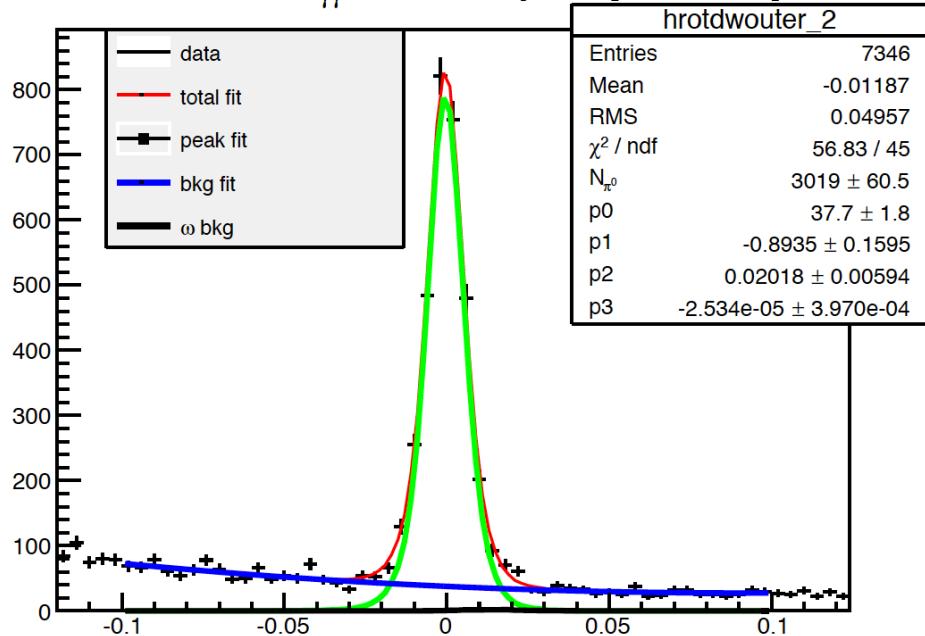


2: rotated $m_{\gamma\gamma}$ w/ outer layer $\theta [0.02, 0.04]$

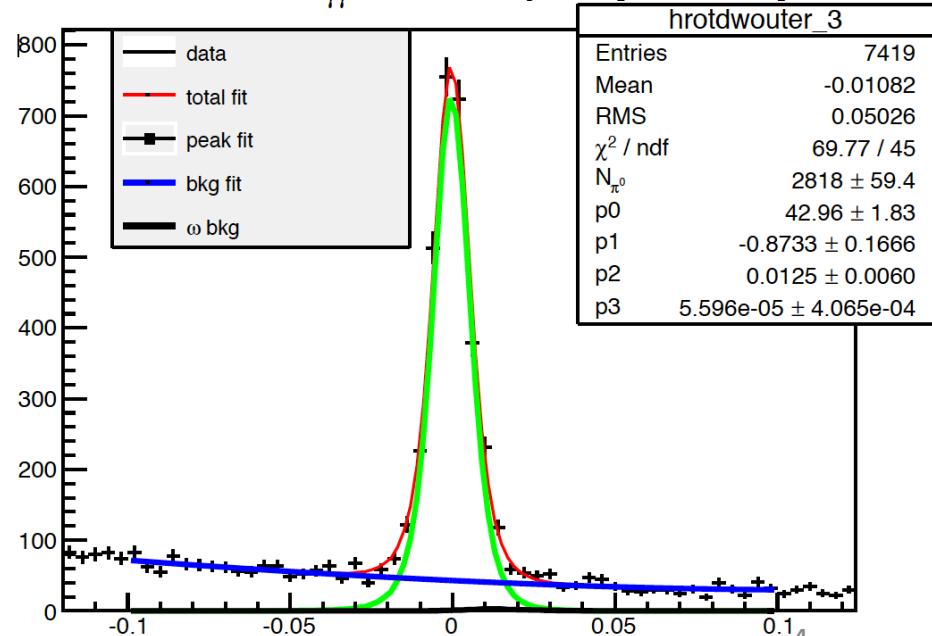


Using best tdiff, tdiff cut [-7, 7] ns

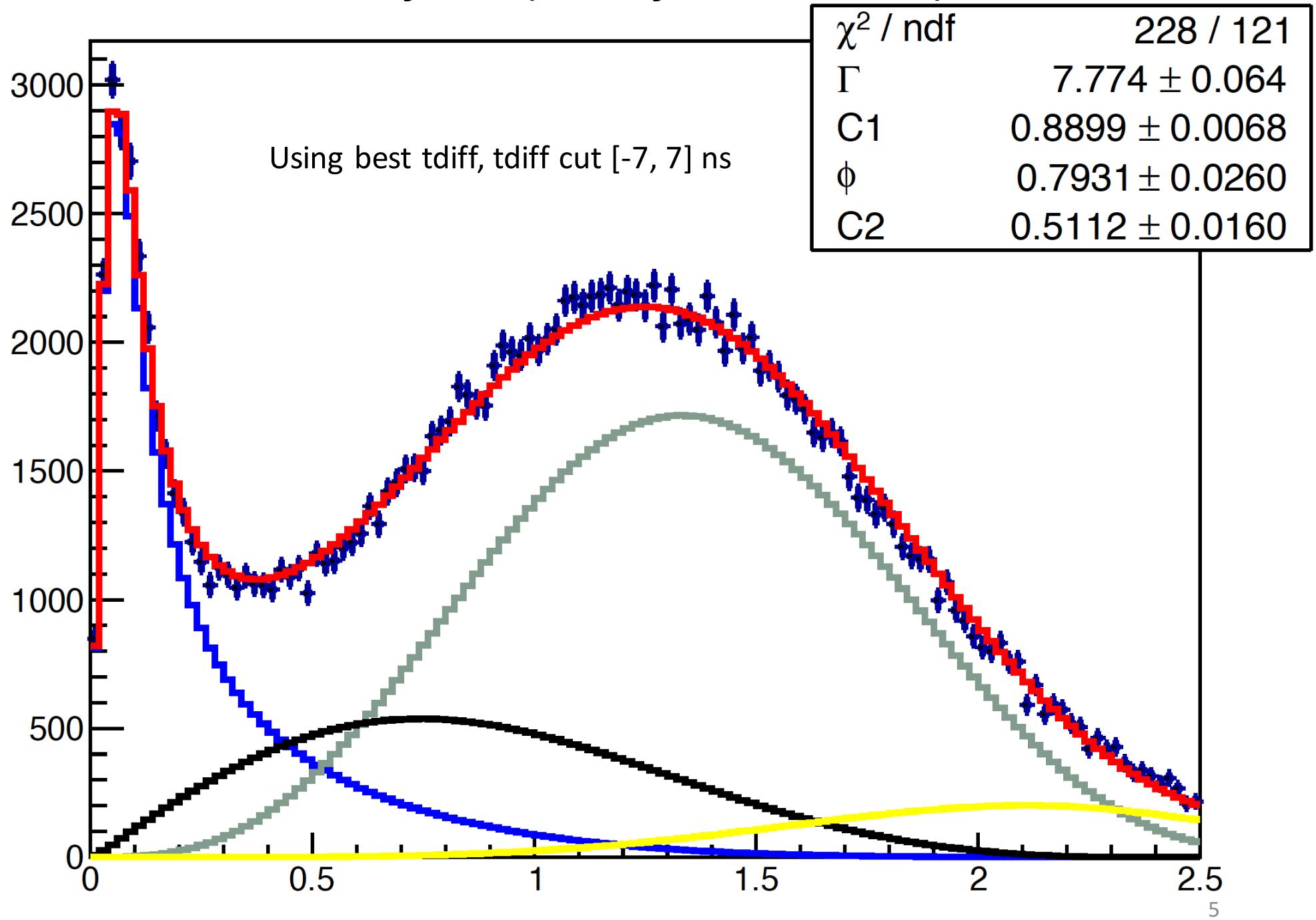
3: rotated $m_{\gamma\gamma}$ w/ outer layer $\theta [0.04, 0.06]$



4: rotated $m_{\gamma\gamma}$ w/ outer layer $\theta [0.06, 0.08]$

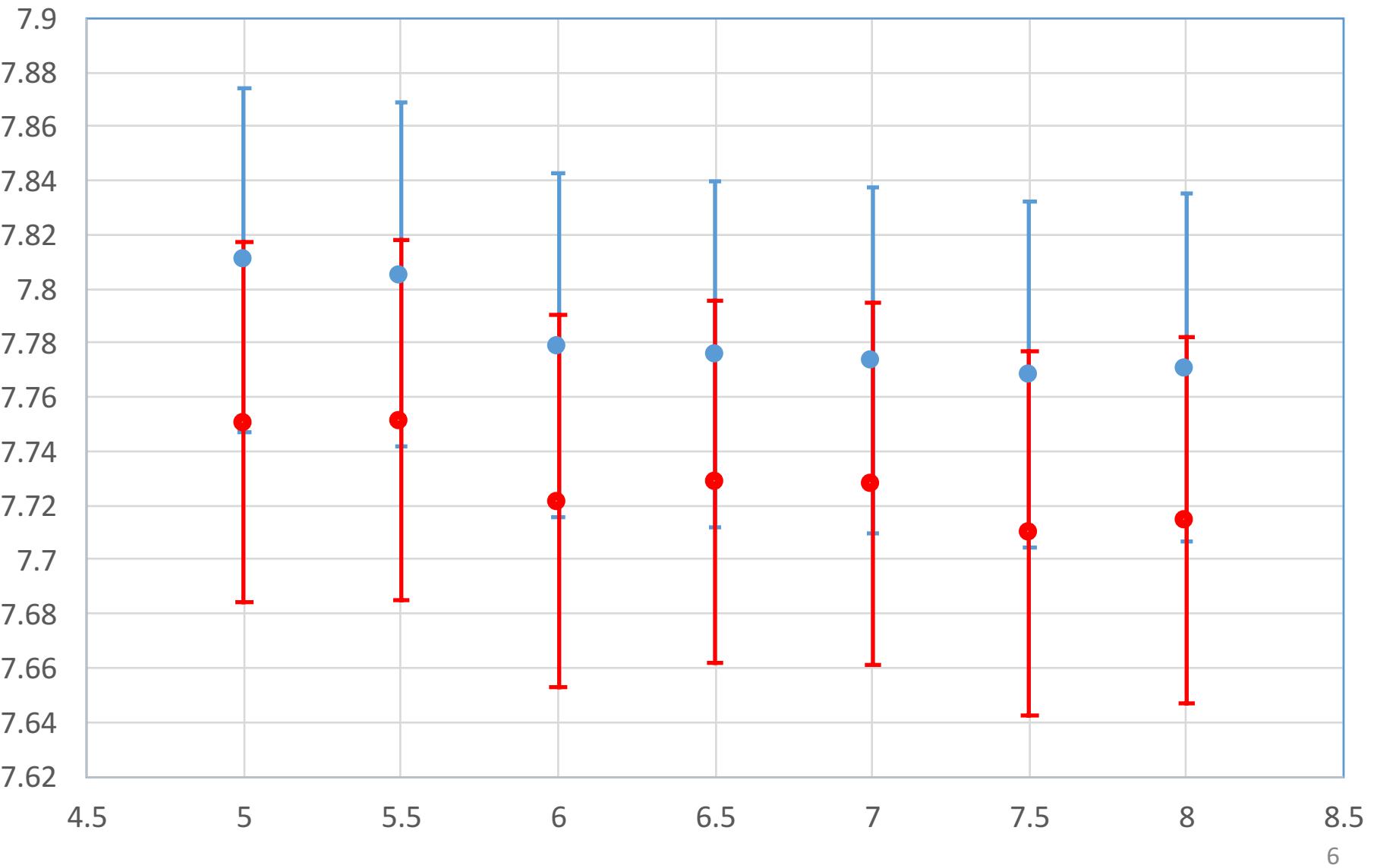


π^0 yield (Si, crystal w/ tran.)



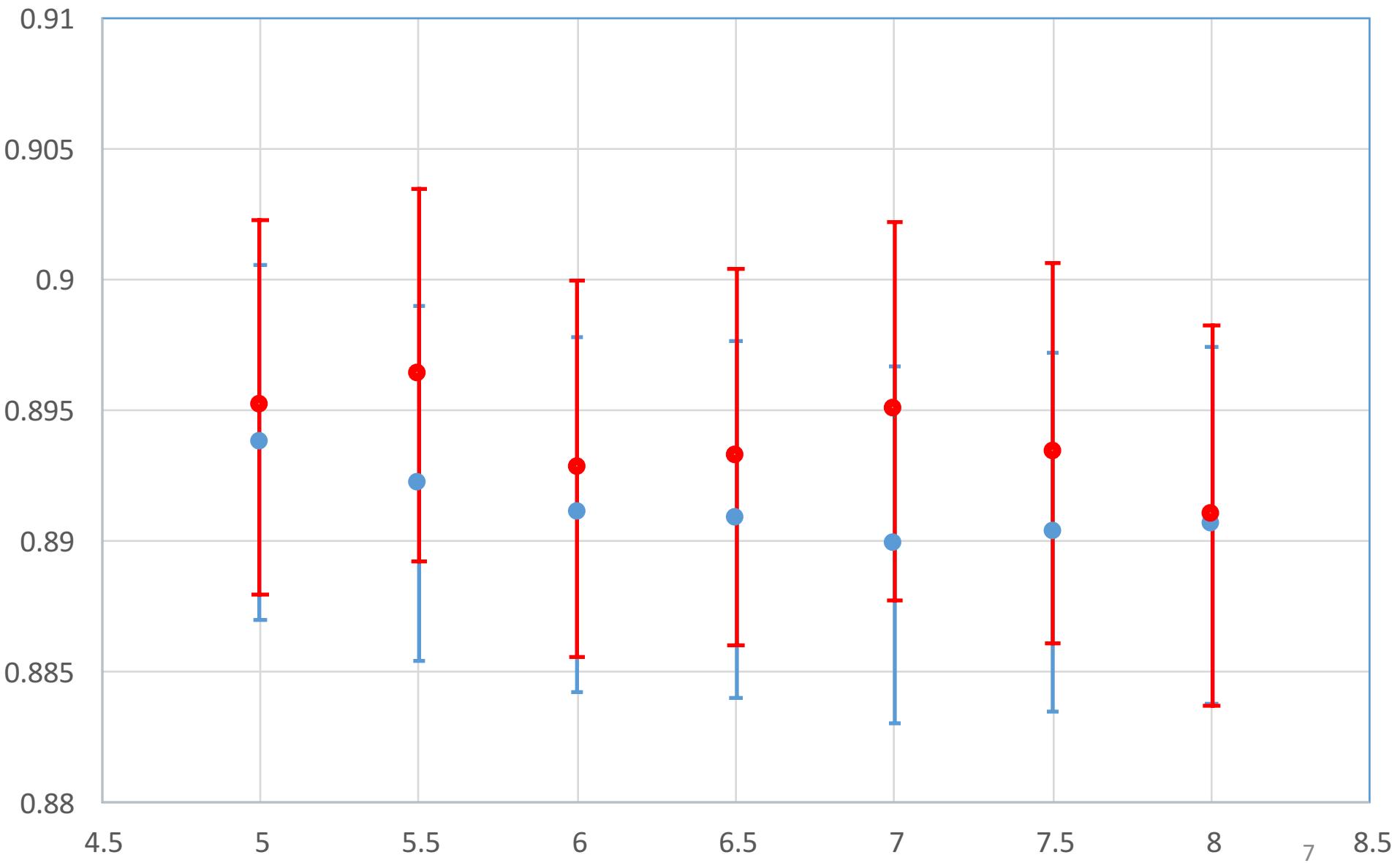
Γ vs. tdiff cut

● M.C. shape ● Double Gaussian



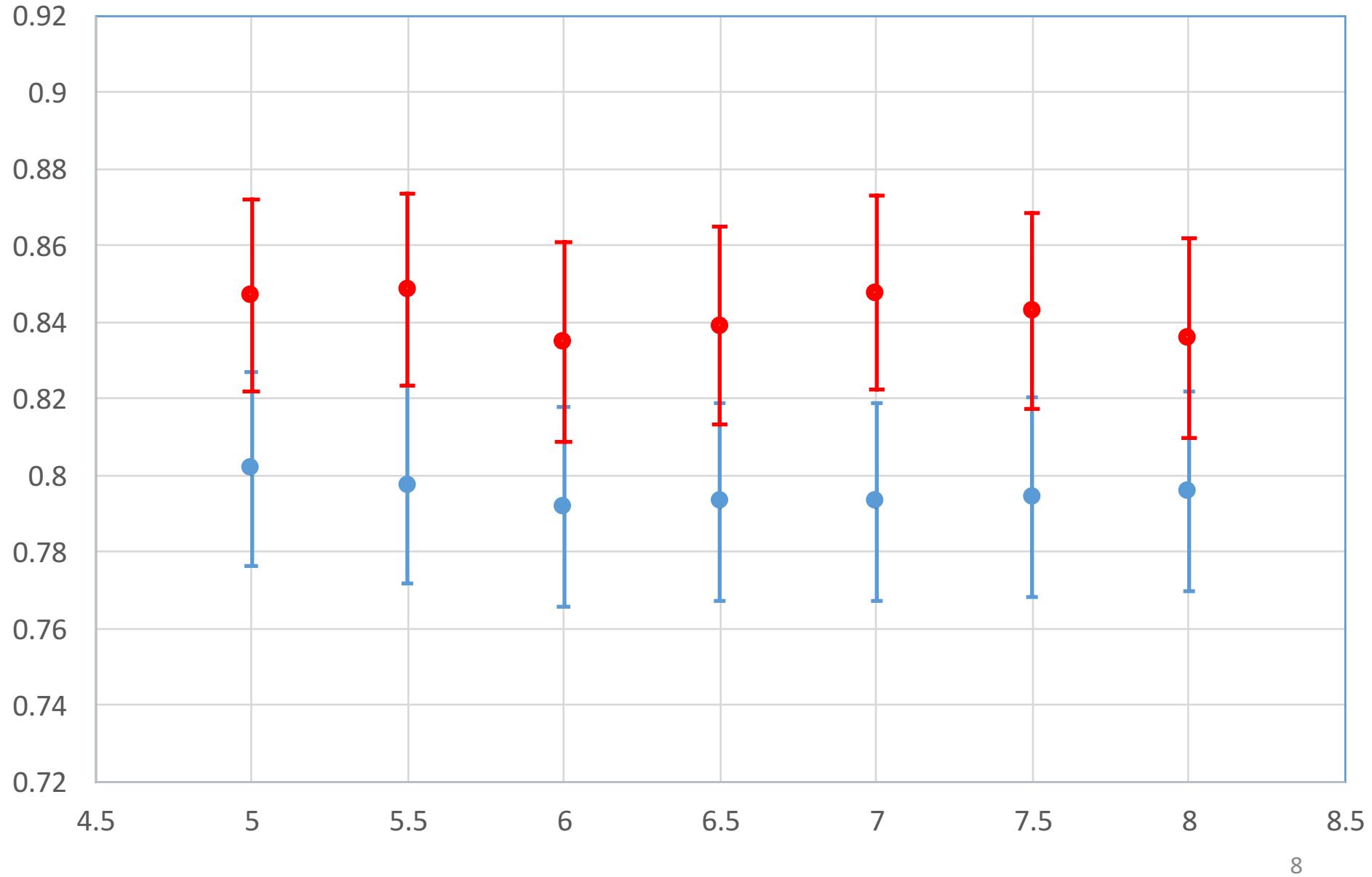
Coherent vs. tdiff cut

● M.C. shape ● Double Gaussian



Φ vs. tdiff cut

● M.C. shape ● Double Gaussian



Φ vs. tdiff cut

● M.C. shape ● Double Gaussian

