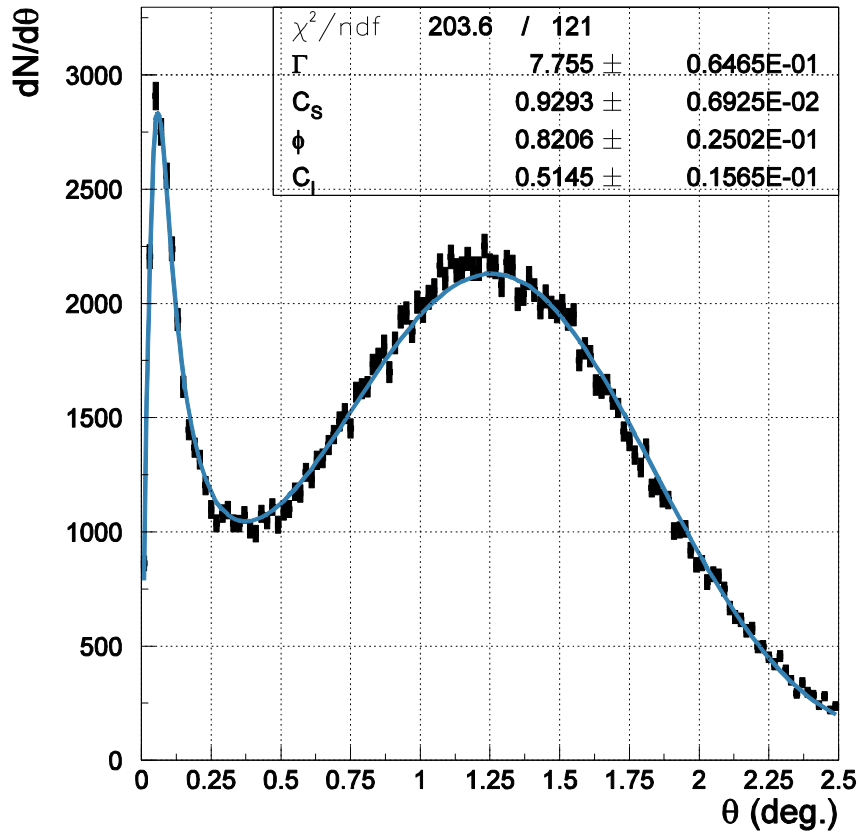


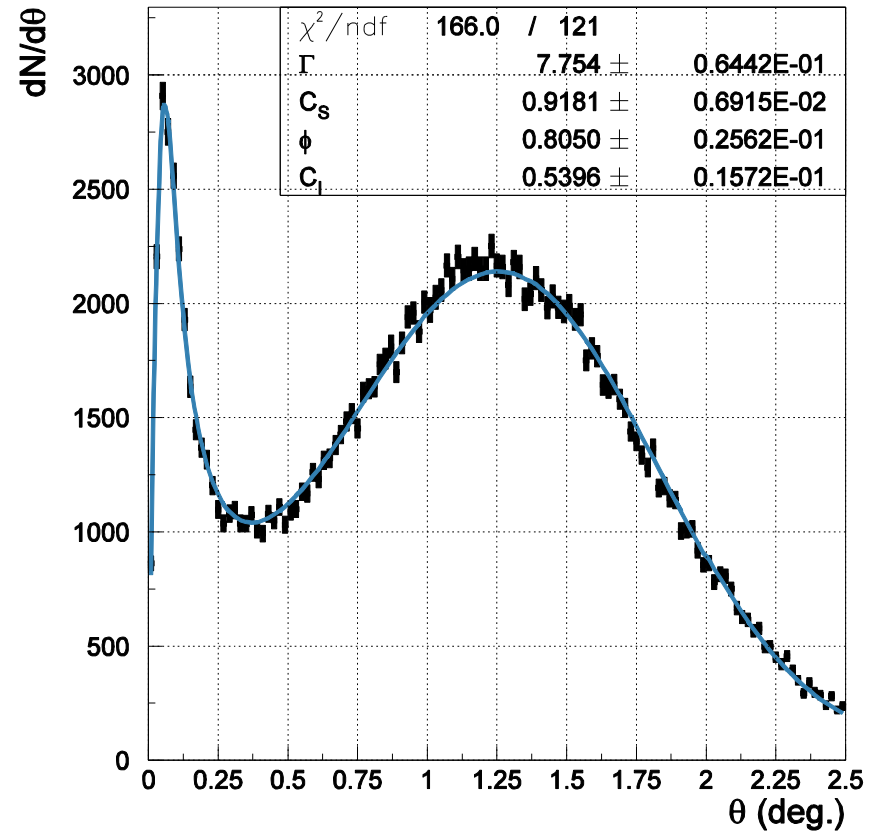
- Study $m_{\gamma\gamma}$ background fitting correction
- Fit the yield of 50 MC runs

Silicon

With old background fit correction
(yield from the $m_{\gamma\gamma}$ fit parameter)

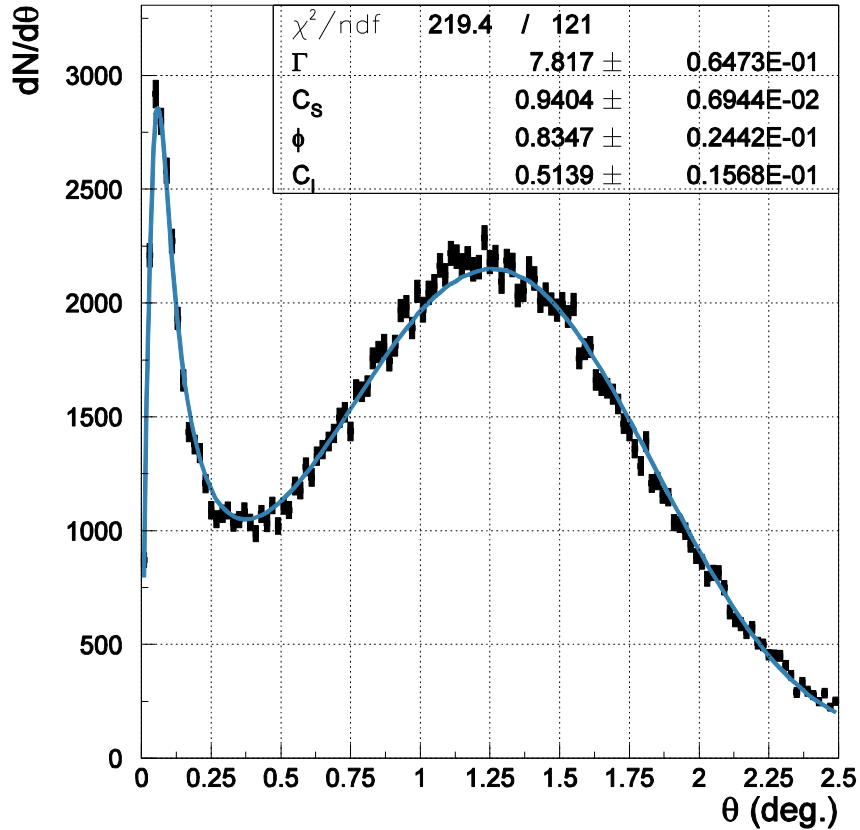


With new background fit correction
(yield from the $m_{\gamma\gamma}$ fit parameter)

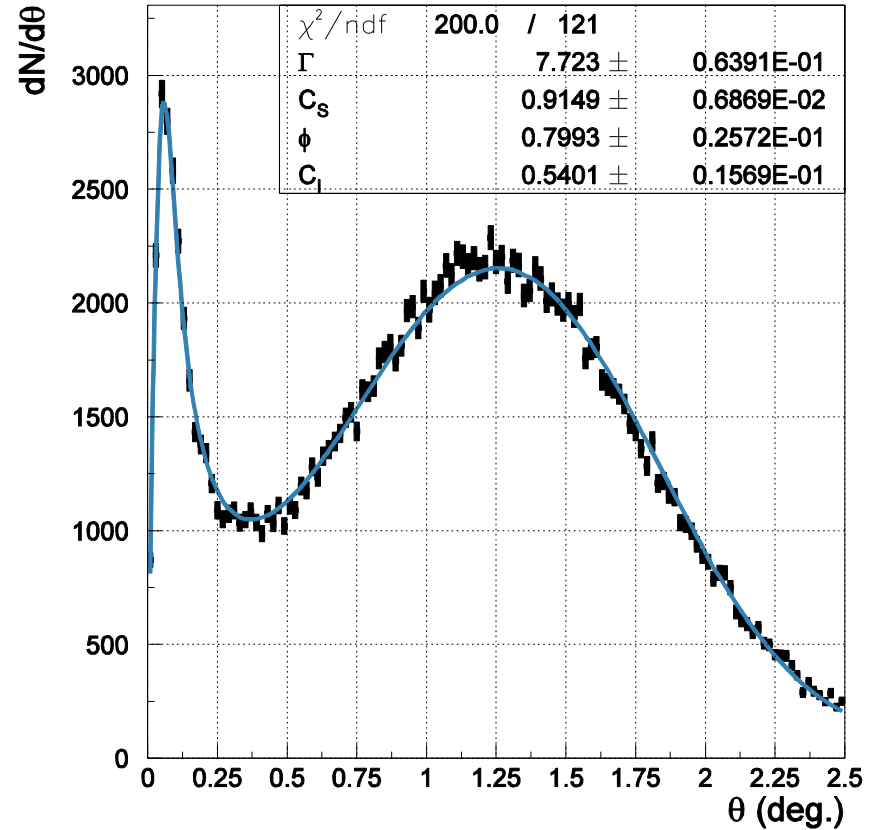


Silicon

With old background fit correction
(yield from the sum of bins of $m_{\gamma\gamma}$)

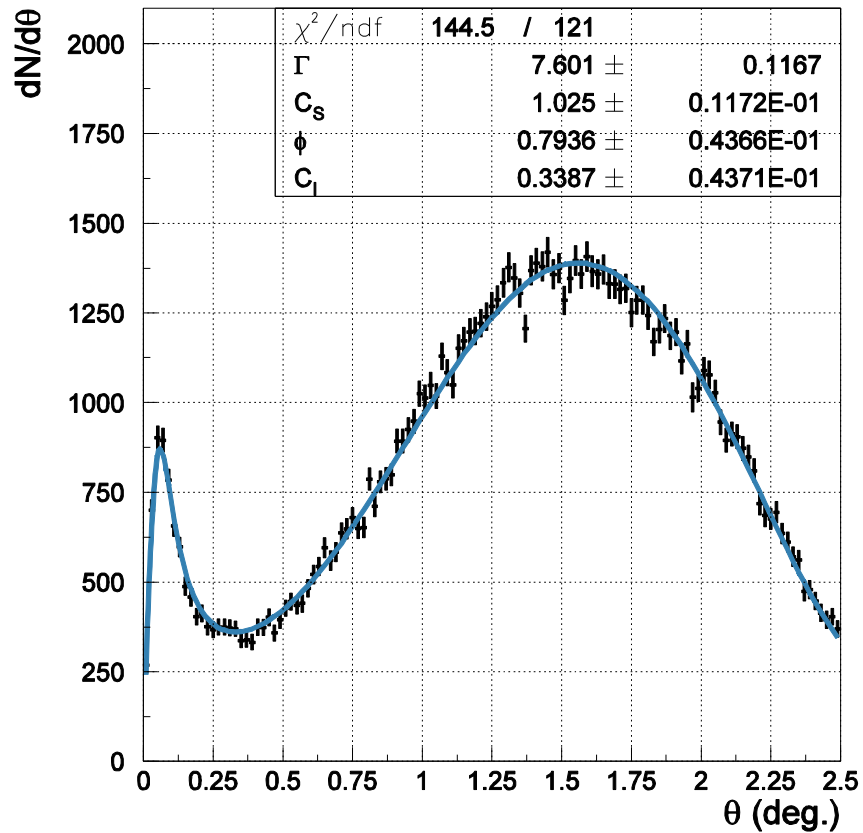


With new background fit correction
(yield from the sum of bins of $m_{\gamma\gamma}$)

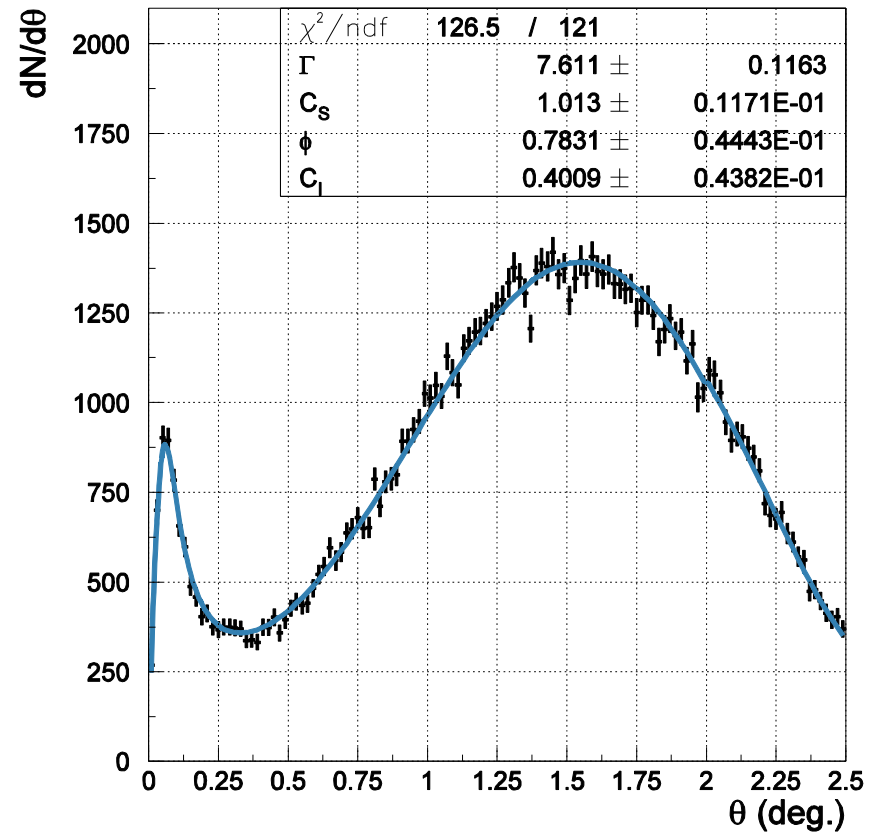


Carbon

With old background fit correction
(yield from the $m_{\gamma\gamma}$ fit parameter)

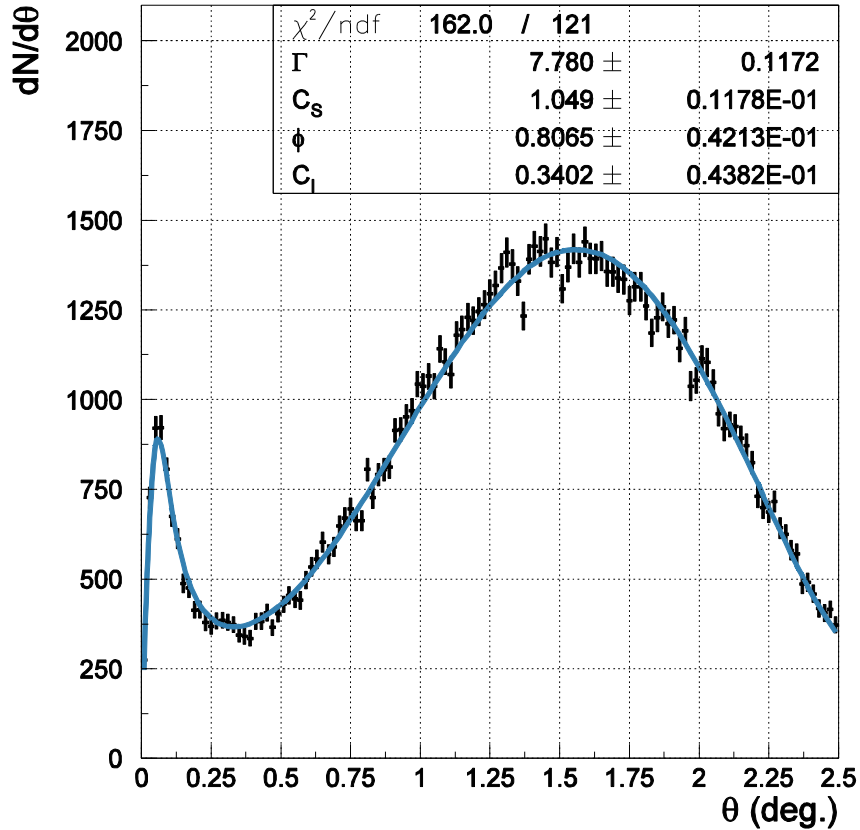


With new background fit correction
(yield from the $m_{\gamma\gamma}$ fit parameter)

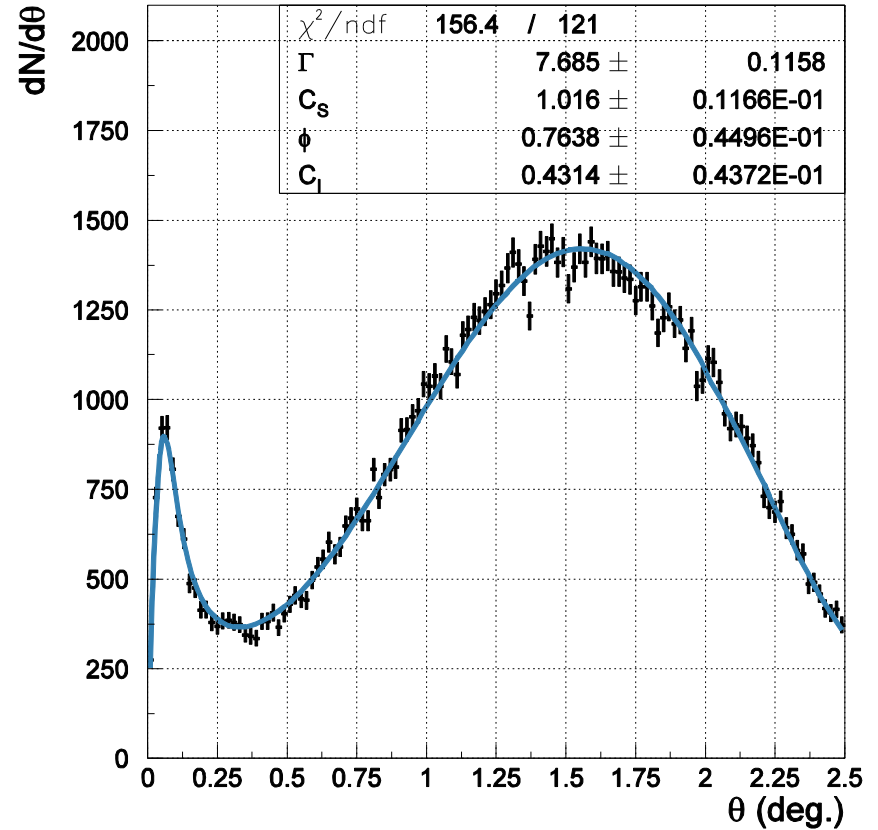


Carbon

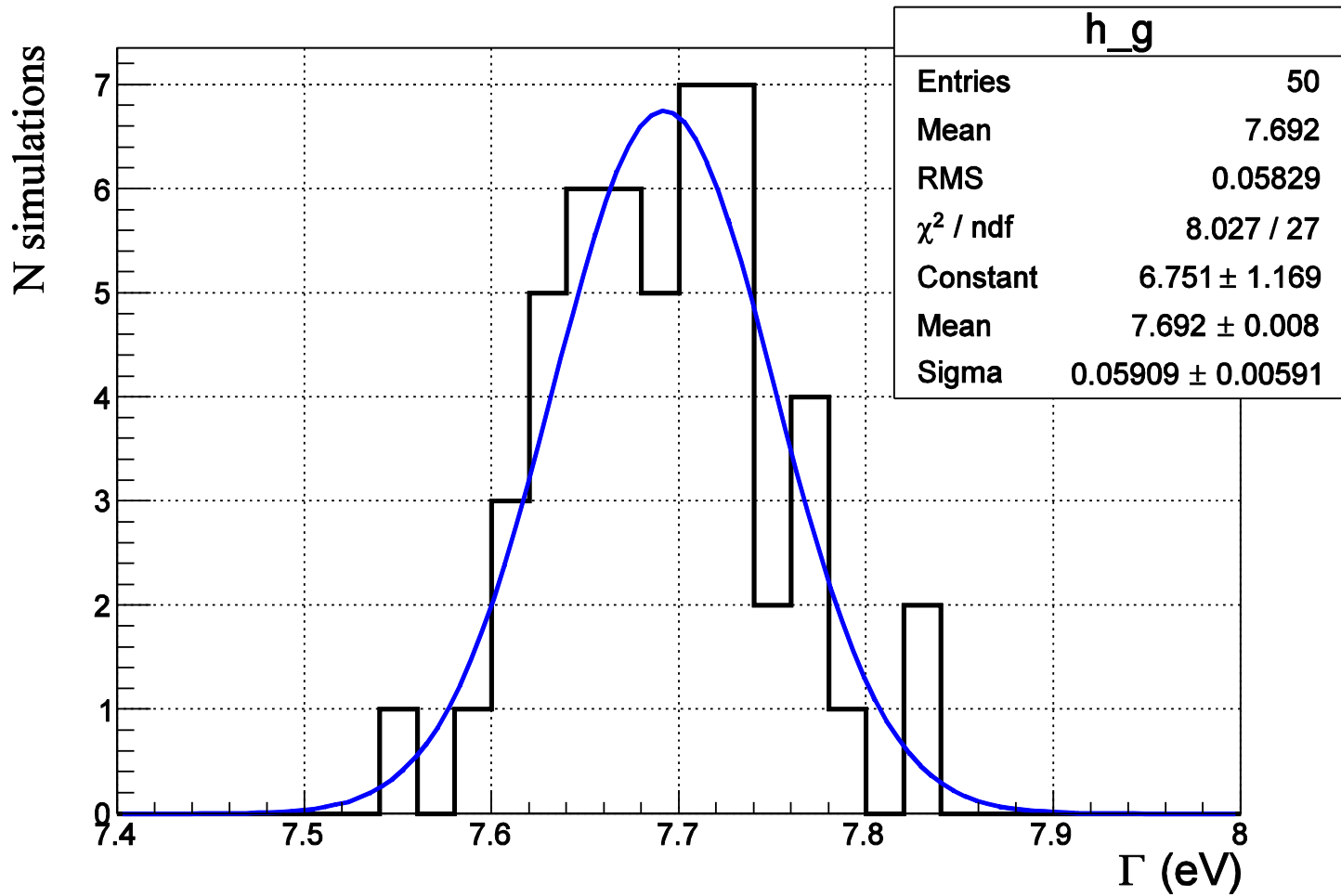
With old background fit correction
(yield from the sum of bins of $m_{\gamma\gamma}$)



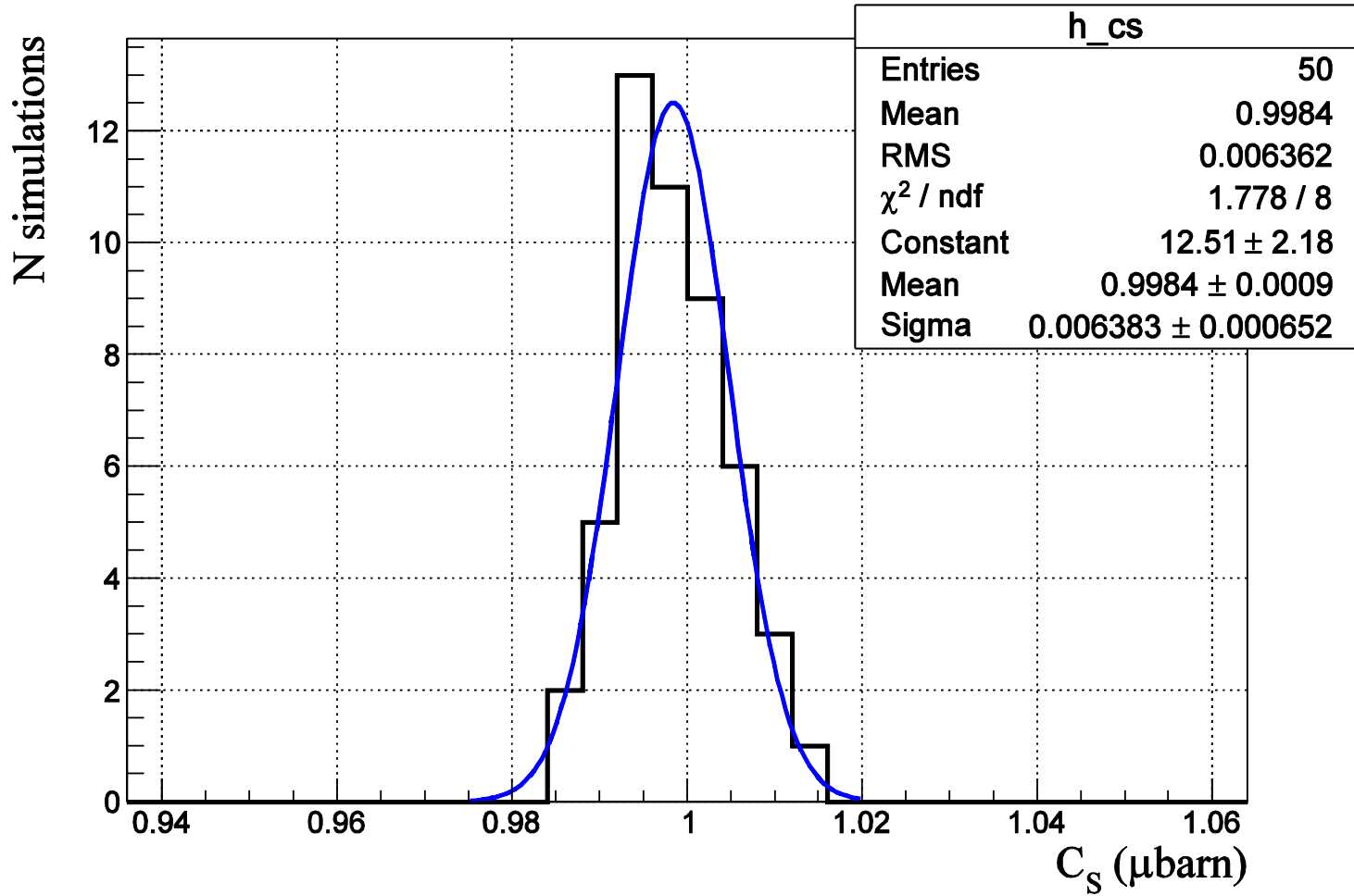
With new background fit correction
(yield from the sum of bins of $m_{\gamma\gamma}$)



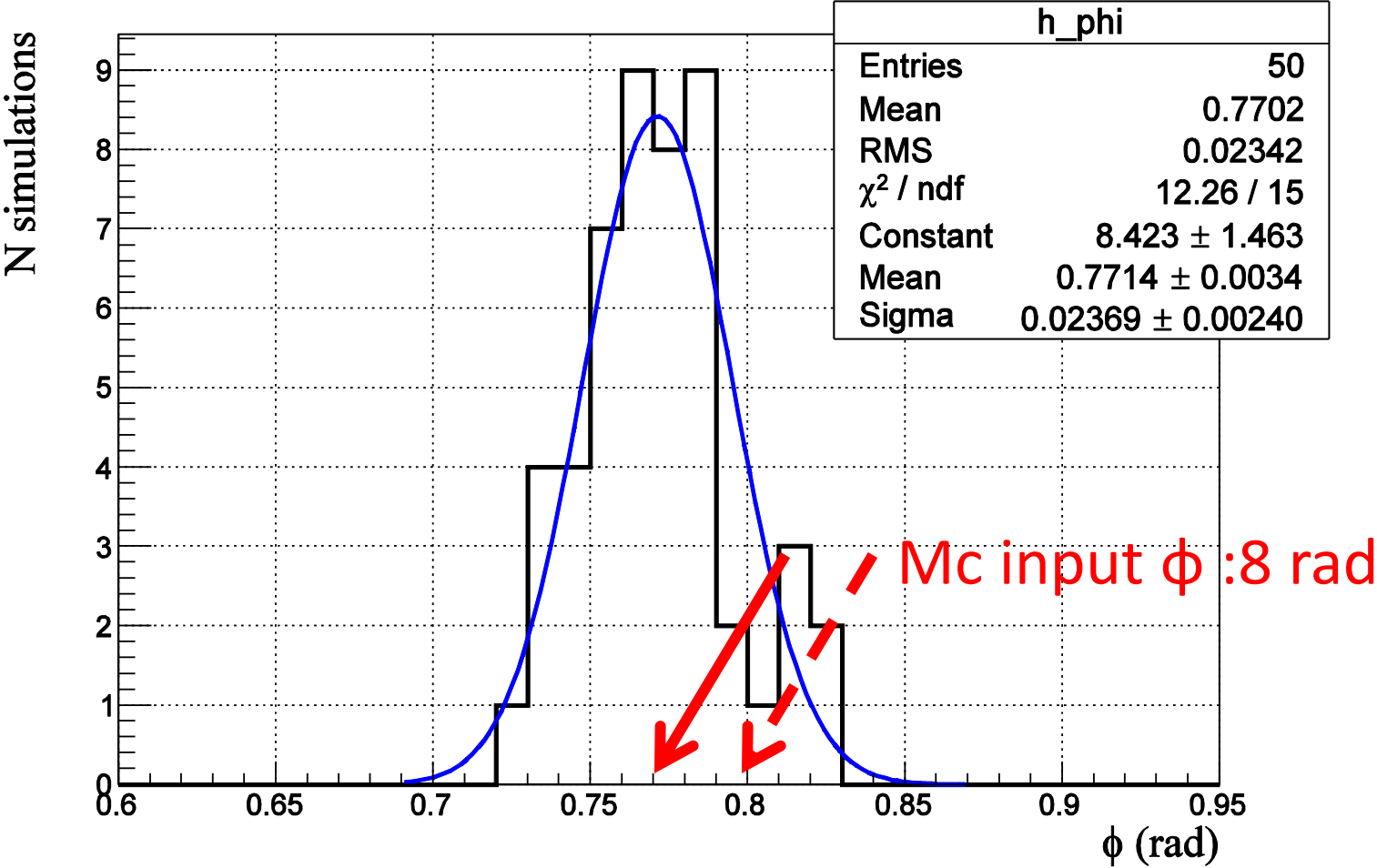
Γ distribution of 50 MC runs



C_S distribution of 50 MC runs



Φ distribution of 50 MC runs



C_I distribution of 50 MC runs

