

Update on the analysis of $J/\psi \rightarrow \Sigma^0 \bar{\Sigma}^0$

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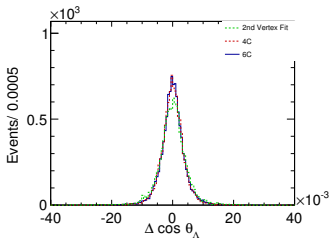
Feb 28, 2019

Outline

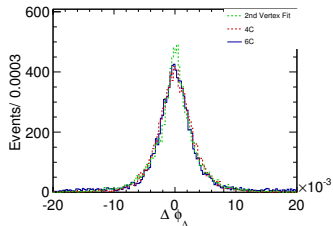
1 Resolution

1 *Resolution*

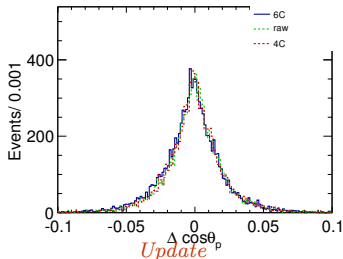
Resolution



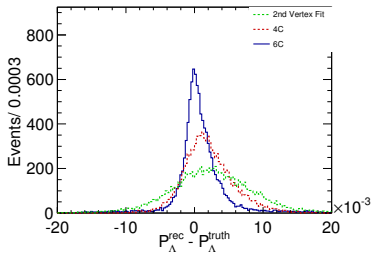
(a)



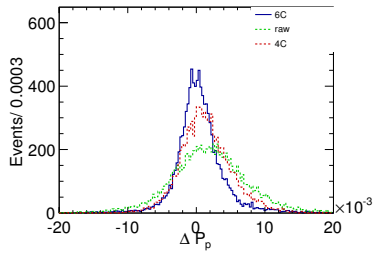
(b)



Resolution



(d)



(e)

- ✓ 1)
$$\frac{-4((m_\Lambda^2 + m_\Sigma^2)(m_\Lambda^2 + m_p^2 - m_\pi^2) - 4m_\Lambda^2 p_p \cdot p_\Sigma)}{m_\Lambda m_\Sigma \left(\frac{(m_\Lambda^2 - m_\Sigma^2)^2}{m_\Sigma^2} \right)^{3/2} \sqrt{\frac{(m_\pi^2 - m_\Lambda^2)^2 - 2(m_\Lambda^2 + m_\pi^2)m_p^2 + m_p^4}{m_\Lambda^2}}}$$
- ✓ 2) In the helicity frame of Λ , $\cos \theta$

