

Asymmetry Updates: Missing Mass Delta Correction

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University of Regina
KaonLT Experiment, Jefferson Lab Hall C





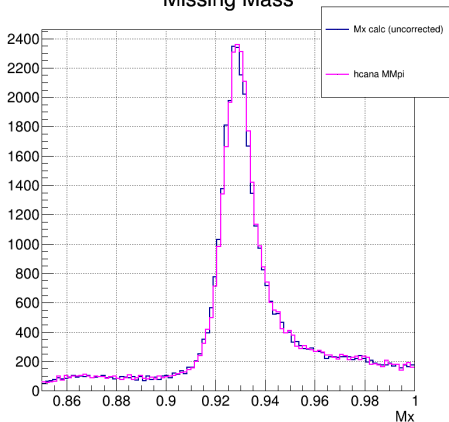
- Reproducing hcana MMpi calc
- Adding delta correction
- -t dependence

$$hsdelta = hsdelta - p0 * hsxfp$$

■ $Q^2=4.4$, $W=2.74$, SHMS left

■ $P_{HMS} = 4.7$, $p_0 = 6.0$

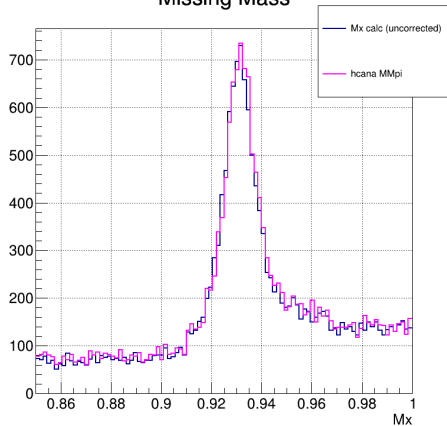
Missing Mass



■ $Q^2=3.0$, $W=3.14$, SHMS center

■ $P_{HMS} = 4.2$, $p_0 = 5.0$

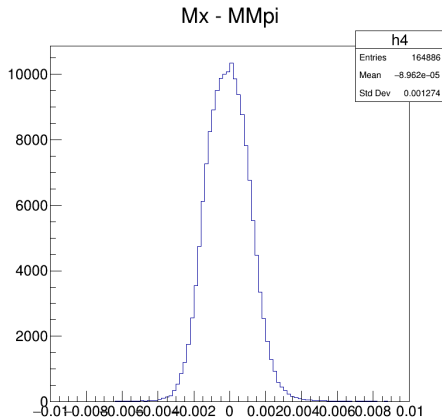
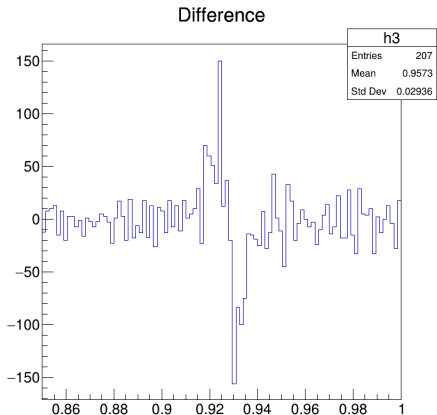
Missing Mass





■ $Q^2=4.4$, $W=2.74$, SHMS left

■ $P_{HMS} = 4.7$, $p_0 = 6.0$

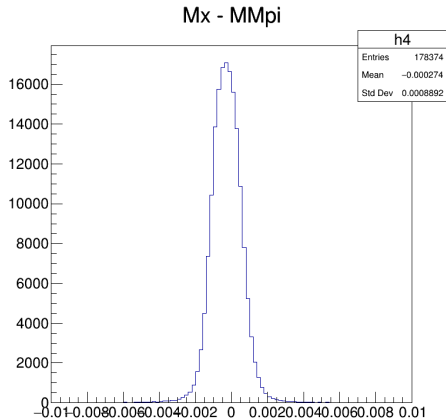
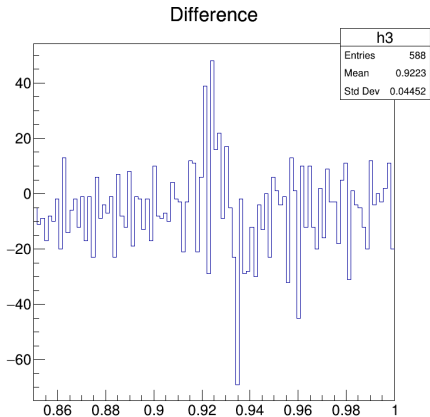


Reproducing hcana



■ $Q^2=3.0$, $W=3.14$, SHMS center

■ $P_{HMS} = 4.2$, $p_0 = 5.0$



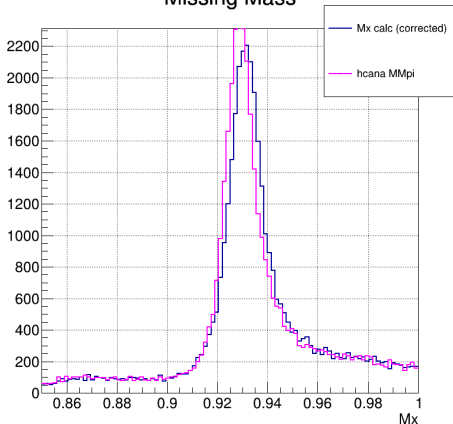
Adding delta correction



■ $Q^2=4.4$, $W=2.74$, SHMS left

■ $P_{HMS} = 4.7$, $p_0 = 6.0$

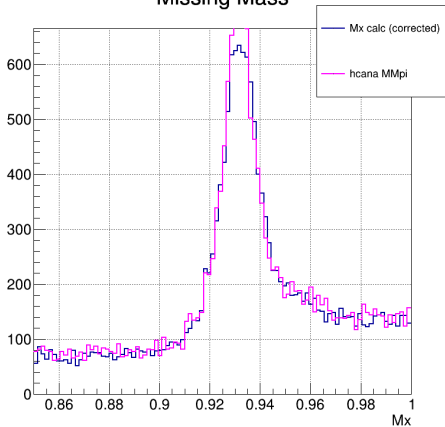
Missing Mass



■ $Q^2=3.0$, $W=3.14$, SHMS center

■ $P_{HMS} = 4.2$, $p_0 = 5.0$

Missing Mass



-t Dependence



■ $Q^2=4.4$, $W=2.74$, SHMS left

■ $P_{HMS} = 4.7$, $p_0 = 6.0$

■ Black: M_x corrected,
Red: hcana

