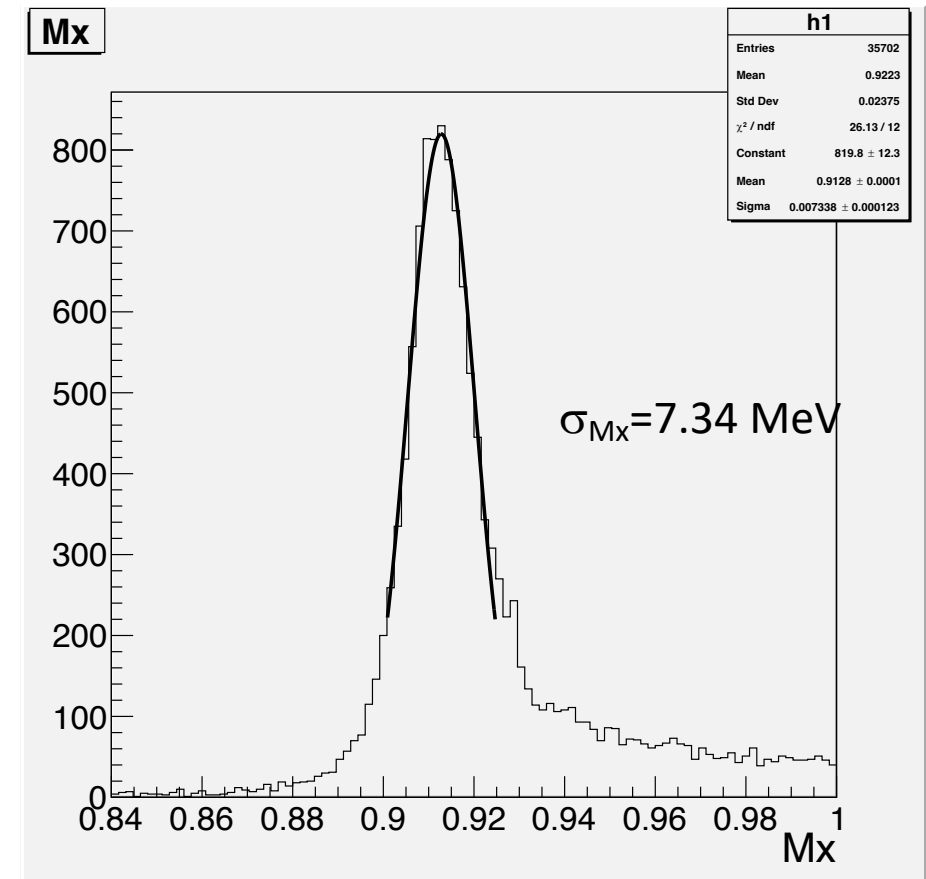
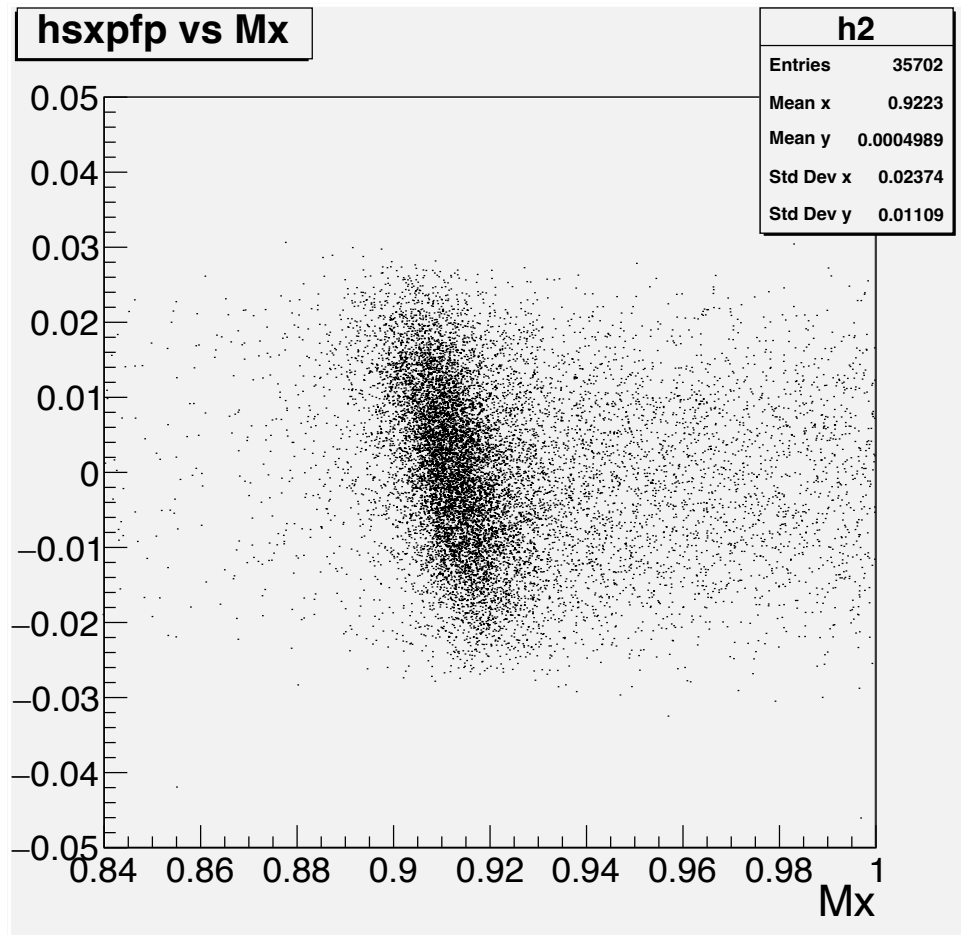


Run 4916,  $P_{HMS} = 5.292$  GeV

Clearest correlation observed with hxpfp  $\rightarrow$  similar correlation observed during 6 GeV era

$\rightarrow$  Correction to  $\delta$  derived and implemented in 6 GeV analyzer  $\rightarrow$  exists in hcana (hsatcorr = 2000)

$\rightarrow$  Not turned on for analysis of this run

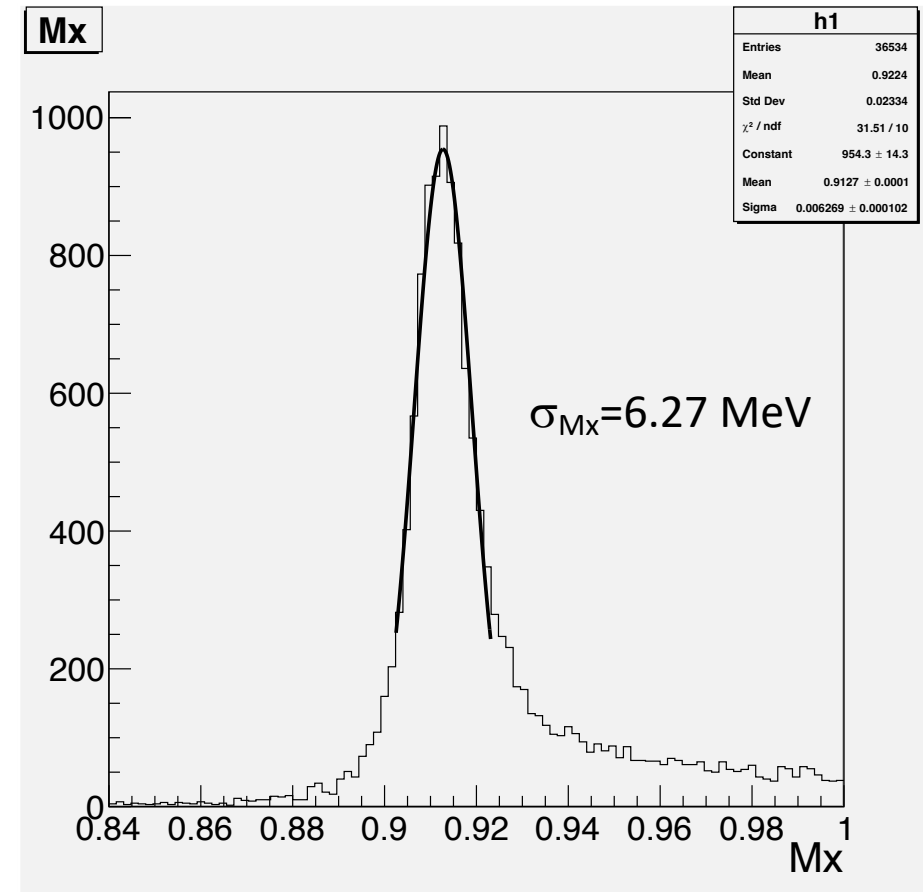
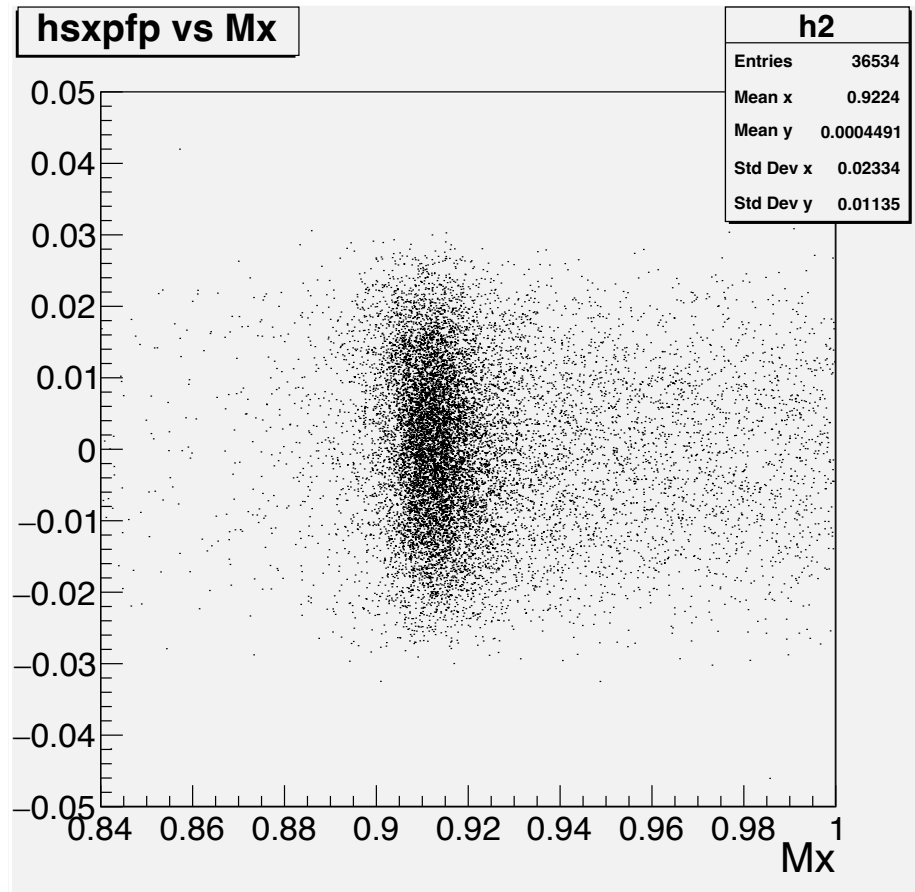


Applied corrected to  $\delta$ , determined “by eye”

→ Correction will be momentum dependent – need to look at the remaining data

→ Can't use old correction because we are using matrix elements fit at different momentum than 6 GeV era

$$\delta_{\text{corrected}} = \delta - 6.0 * \text{hsxpf}$$



Effect comes from current offset in Q3 power supply. Got new power supplies in 2021 – not an issue anymore.