

# Detector induced assymetry in CP violation measurements

Eugenia Spedicato, Lina Maria Ortiz Parra, Jonah Blank

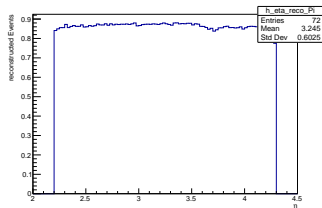
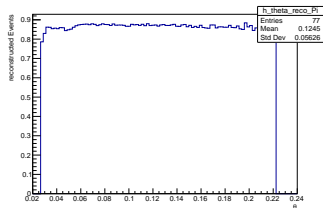
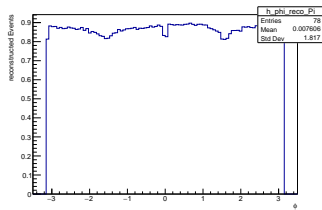
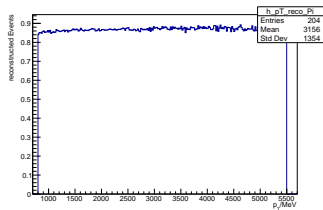
December 4, 2019

# Progress 04.12.19

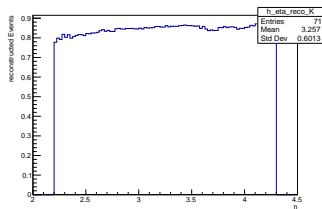
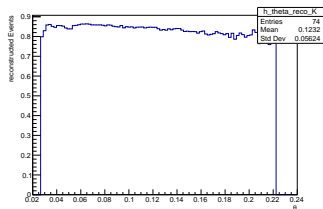
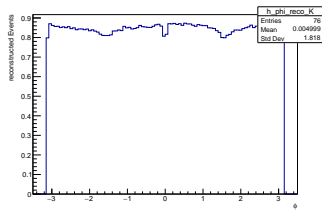
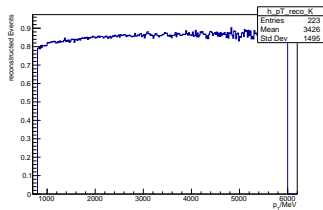
# Total Efficiencies

Polarity	$\epsilon_{\pi}$	$\epsilon_K$	$\epsilon_{\pi,S}$	$\epsilon_{D^0}$	$\epsilon_{D^*}$
<i>UP</i>	86.6106	84.6535	76.6145	73.3255	56.2636
<i>DOWN</i>	86.6086	84.6657	76.5371	73.332	56.2344

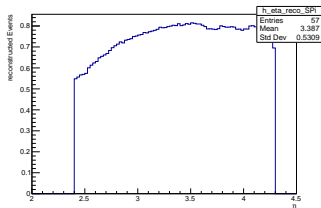
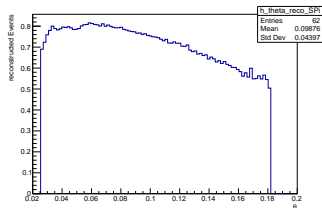
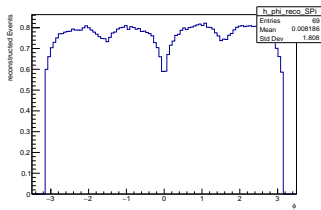
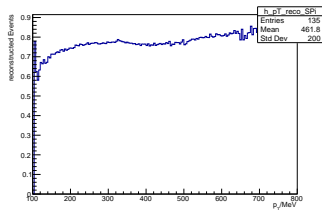
# $\pi$ -efficiency



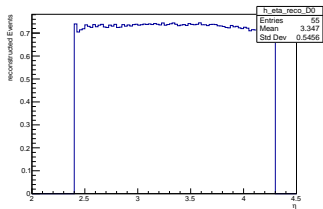
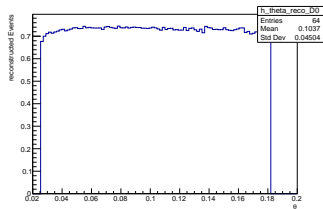
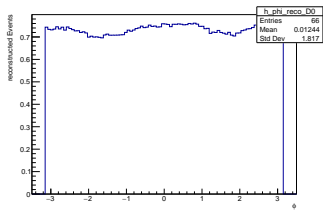
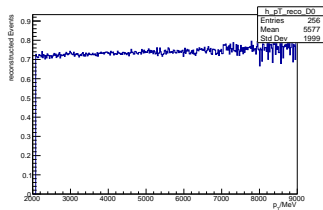
# K-efficiency



# soft $\pi$ -efficiency



# $D^0$ -efficiency



# $D^*$ -efficiency

