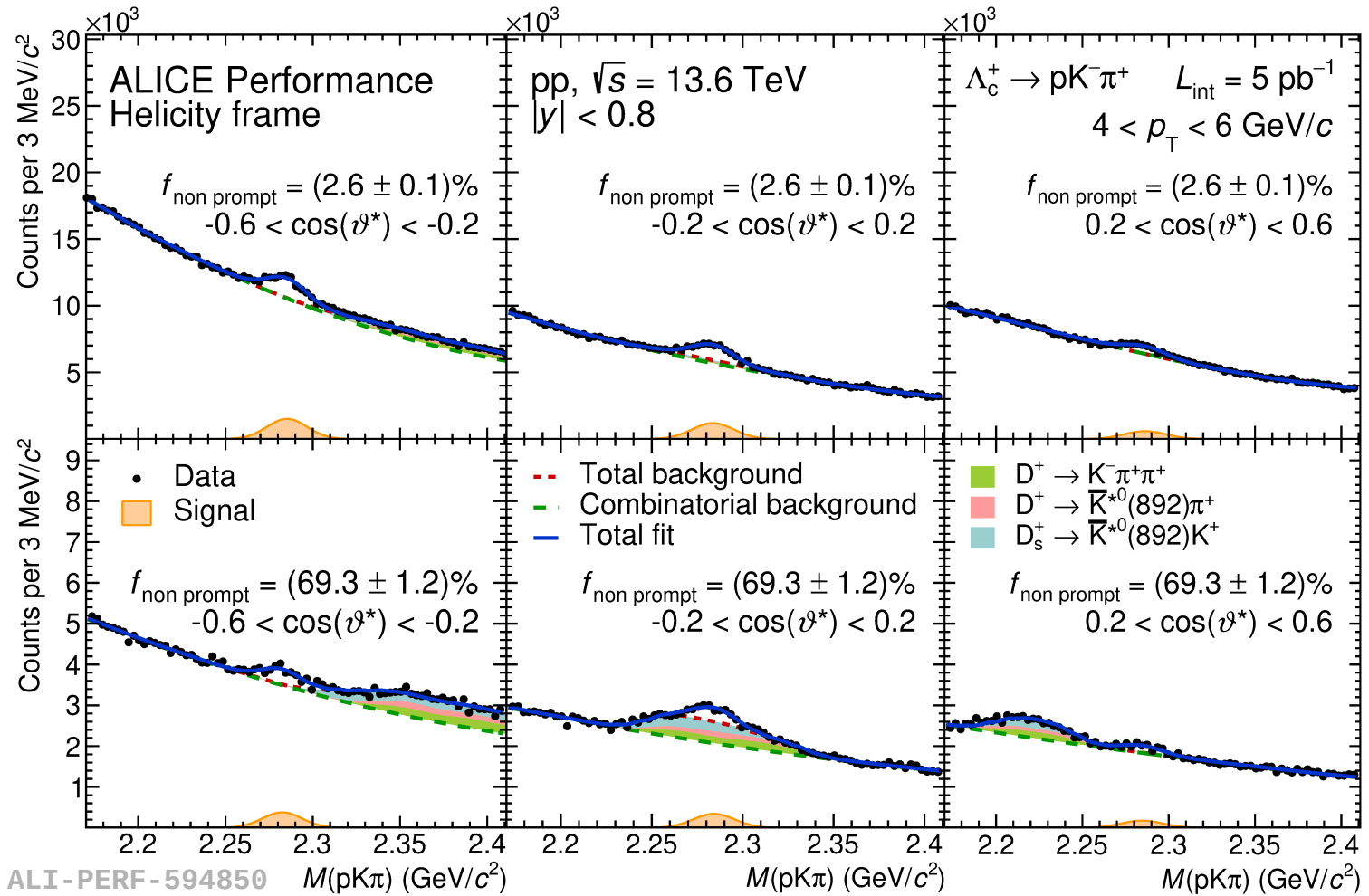
ALICE Performance
Helicity frame
pp, $\sqrt{s}$ = 13.6 TeV
$|y| < 0.8$
$\Lambda_c^+ \to pK^-\pi^+$ L_{int} = 5 pb^{-1}
$4 < p_T < 6$ GeV/c
$f_{non\ prompt}$ = (2.6 ± 0.1)%
-0.6 < cos(ϑ^*) < -0.2
$f_{non\ prompt}$ = (2.6 ± 0.1)%
-0.2 < cos(ϑ^*) < 0.2
$f_{non\ prompt}$ = (2.6 ± 0.1)%
0.2 < cos(ϑ^*) < 0.6
Data
Signal
Total background
Combinatorial background
Total fit
$D^+ \to K^-\pi^+\pi^+$
$D^+ \to \overline{K}^{*0}(892)\pi^+$
$D_s^+ \to \overline{K}^{*0}(892)K^+$
$f_{non\ prompt}$ = (69.3 ± 1.2)%
-0.6 < cos(ϑ^*) < -0.2
$f_{non\ prompt}$ = (69.3 ± 1.2)%
-0.2 < cos(ϑ^*) < 0.2
$f_{non\ prompt}$ = (69.3 ± 1.2)%
0.2 < cos(ϑ^*) < 0.6
Counts per 3 MeV/c^2
$\times 10^3$
M(pKπ) (GeV/c^2)
ALI-PERF-594850