ALICE Performance

pp, $\sqrt{s}$ = 13.6 TeV, $\mathcal{L}_{int}$ = 49.6 pb^{-1}

10 < p_T < 14 GeV/c,

$|y| < 0.8$

Data

Total fit

$B^{\pm} \to J/\psi + K^{\pm}$ (exclusive)

Background

$B^{\pm} \to J/\psi + K^{\pm} + X$

$B^{\pm} \to J/\psi + X \to ee + K^{\pm}$

$B^{0} \to J/\psi + K^{\pm} + X$

$B^{\pm} \to \psi(2S)(\to J/\psi) + K^{\pm}$

$B^{\pm} \to \chi_{c1}(\to J/\psi) + K^{\pm}$

Counts

0 50 100 150 200

4.25 4.50 4.75 5.00 5.25 5.50 5.75 6.00 6.25

$m_{J/\psi K^{\pm}}$ (GeV/c^2)

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