ALICE Performance

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

$6 < p_{\mathrm{T}} < 8$ 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
100
200
300
400

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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