

Control channels update

All modes are normalized to 879,285 events and
to the same area

08 May 2024

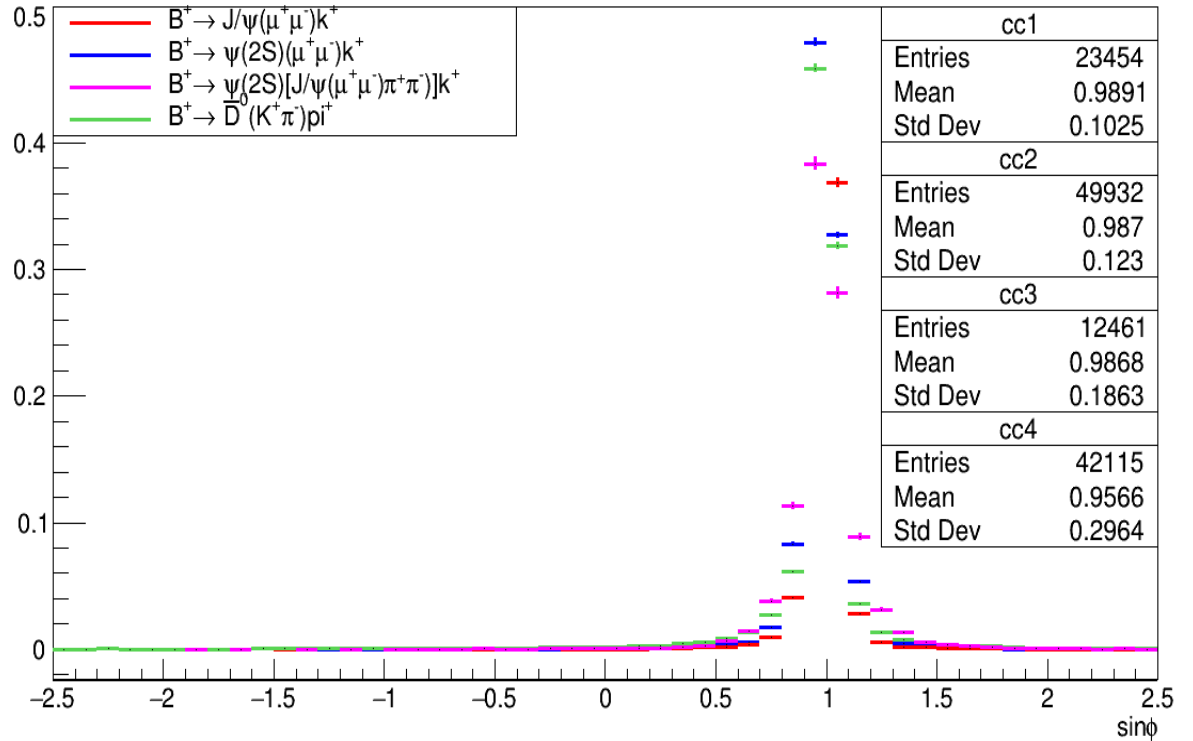
Modes

$B^+ \rightarrow J/\Psi K^+$	1.02×10^{-3}
$J/\Psi \rightarrow \mu^+ \mu^-$	5.973%
$B^+ \rightarrow \Psi(2S) K^+$	6.24×10^{-4}
$\Psi(2S) \rightarrow \mu^+ \mu^-$	8×10^{-3}
$B^+ \rightarrow \Psi(2S) K^+$	6.24×10^{-4}
$\Psi(2S) \rightarrow J/\Psi \pi^+ \pi^-$	34 %
$B^+ \rightarrow \bar{D}^0 \pi^+$	4.61×10^{-3}
$\bar{D}^0 \rightarrow K^+ \pi^-$	3.947 %

Sin_phi

Cuts applied

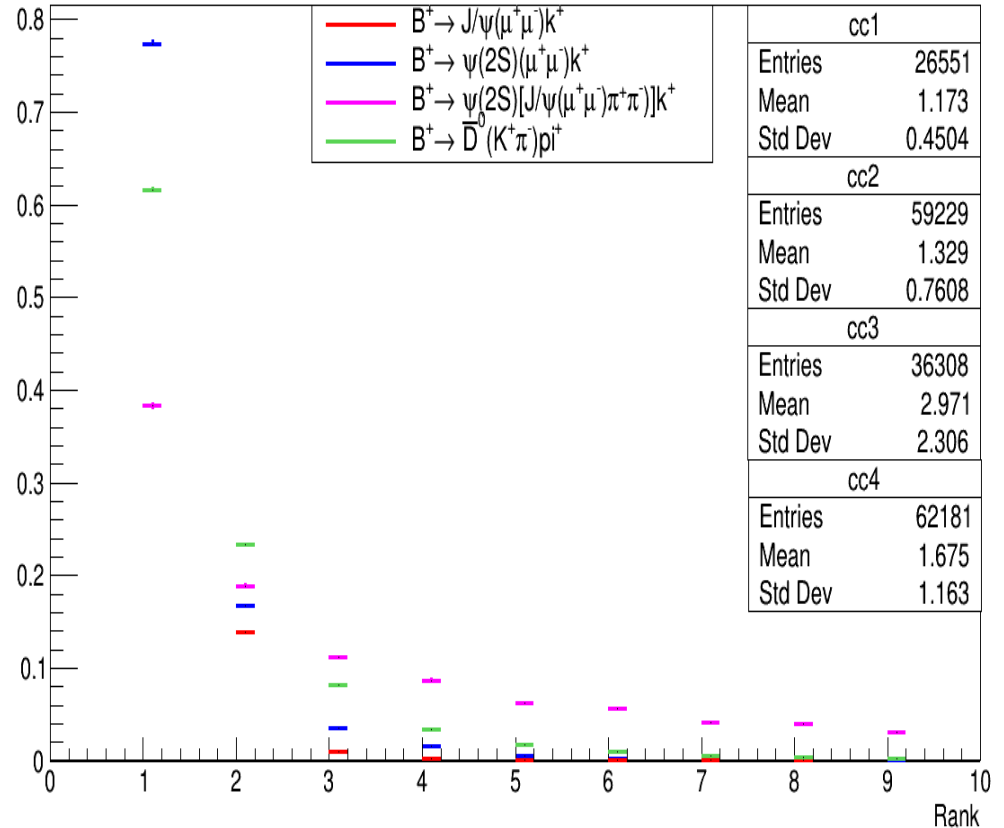
- Rank 1
- $M_{bc} > 5.27$
- $-0.050 < \Delta E < 0.050$
- $1.3 < m_{\text{hadROE}} < 5.3 \text{ GeV (reco. level)}$



Number of candidates

Cuts applied

- $M_{bc} > 5.27$
- $-0.050 < \Delta E < 0.050$
- $\text{abs}(\sin_phi) < 1.1$
- $1.3 < m_{\text{hadROE}} < 5.3 \text{ GeV (reco. level)}$



Number of candidates

Cuts applied

- $M_{bc} > 5.27$
- $-0.050 < \Delta E < 0.050$
- $\text{abs}(\sin_phi) < 1.1$
- $1.3 < m_{\text{hadROE}} < 5.3 \text{ GeV (reco. level)}$

