Cos (p_{Btag}, p_{vistag}) update

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

20 May 2024

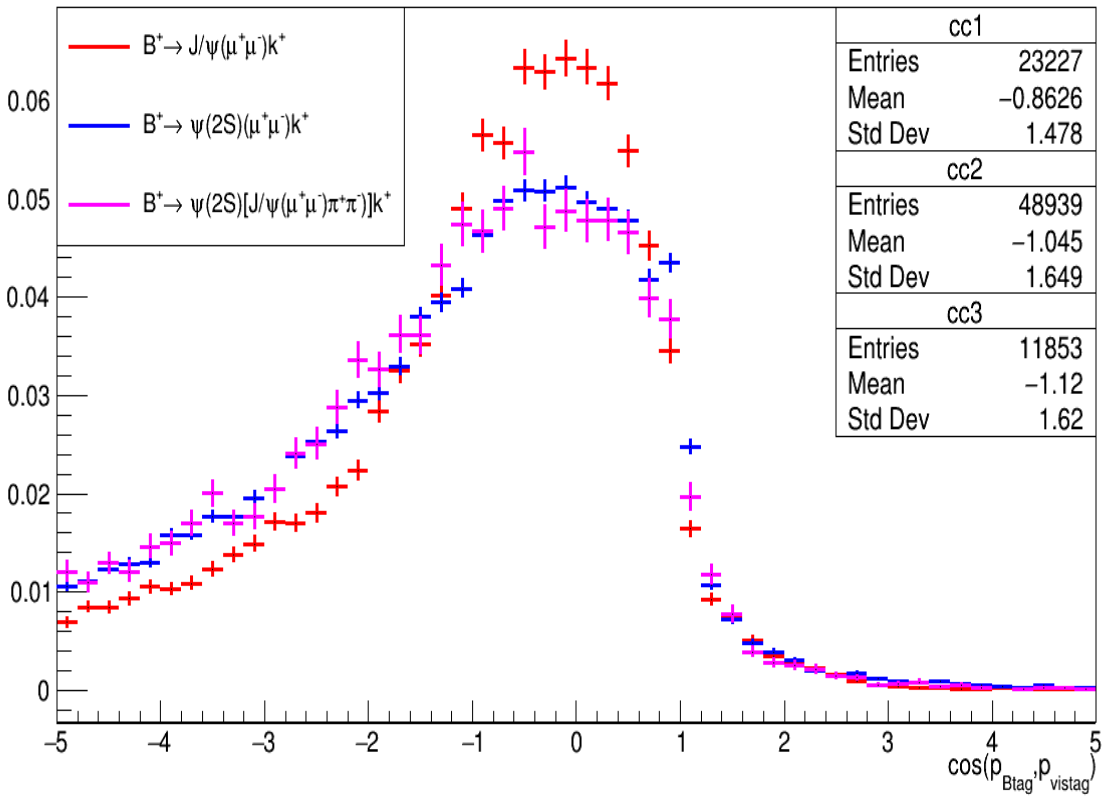
Modes

$B^+ \rightarrow J/Psi\ K^+$	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 %
$B^+ \rightarrow \overline{D}^0\ pi^+$	4.61×10^{-3}
$\overline{D}^0 \rightarrow K^+\ pi^-$	3.947 %

Cos (p_{Btag}, p_{vistag})

Cuts applied

- Rank 1
- -0.050 < ΔE < 0.050 GeV
- abs(sin_phi) < 1.25
- M_{bc} > 5.27 GeV
- 1.3 < m_{hadROE} < 5.3 GeV



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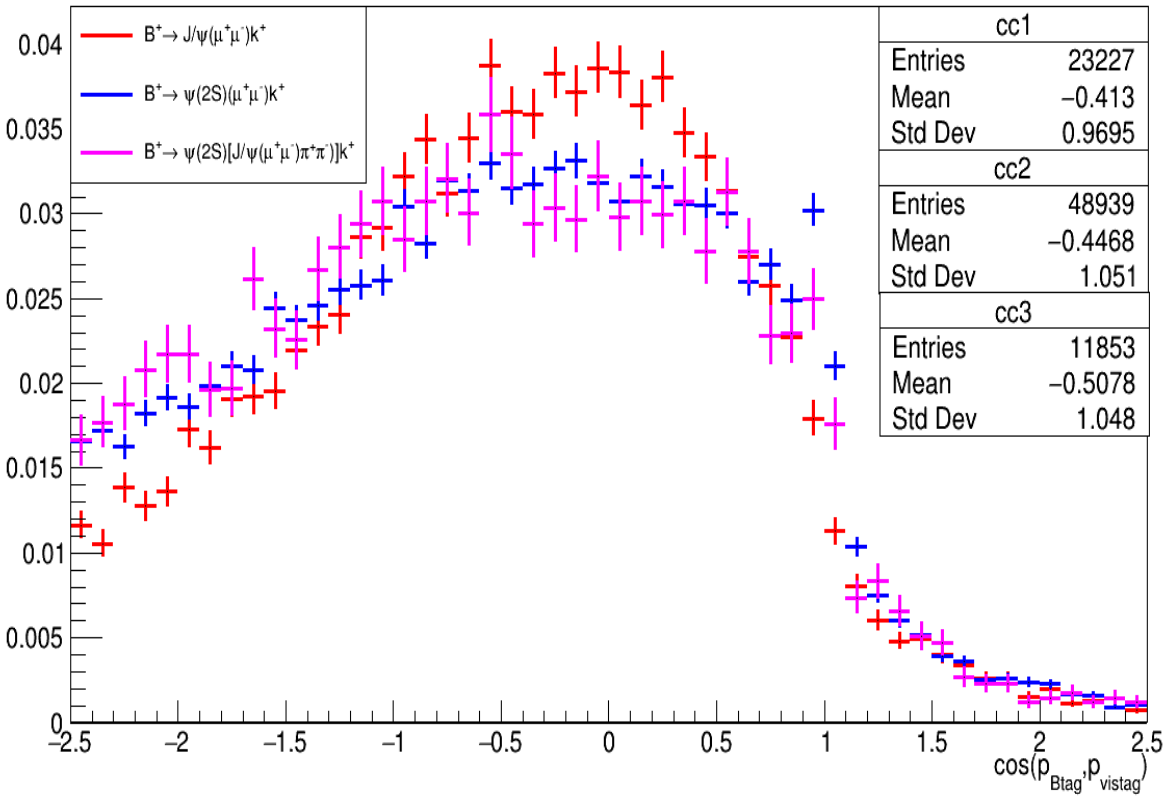

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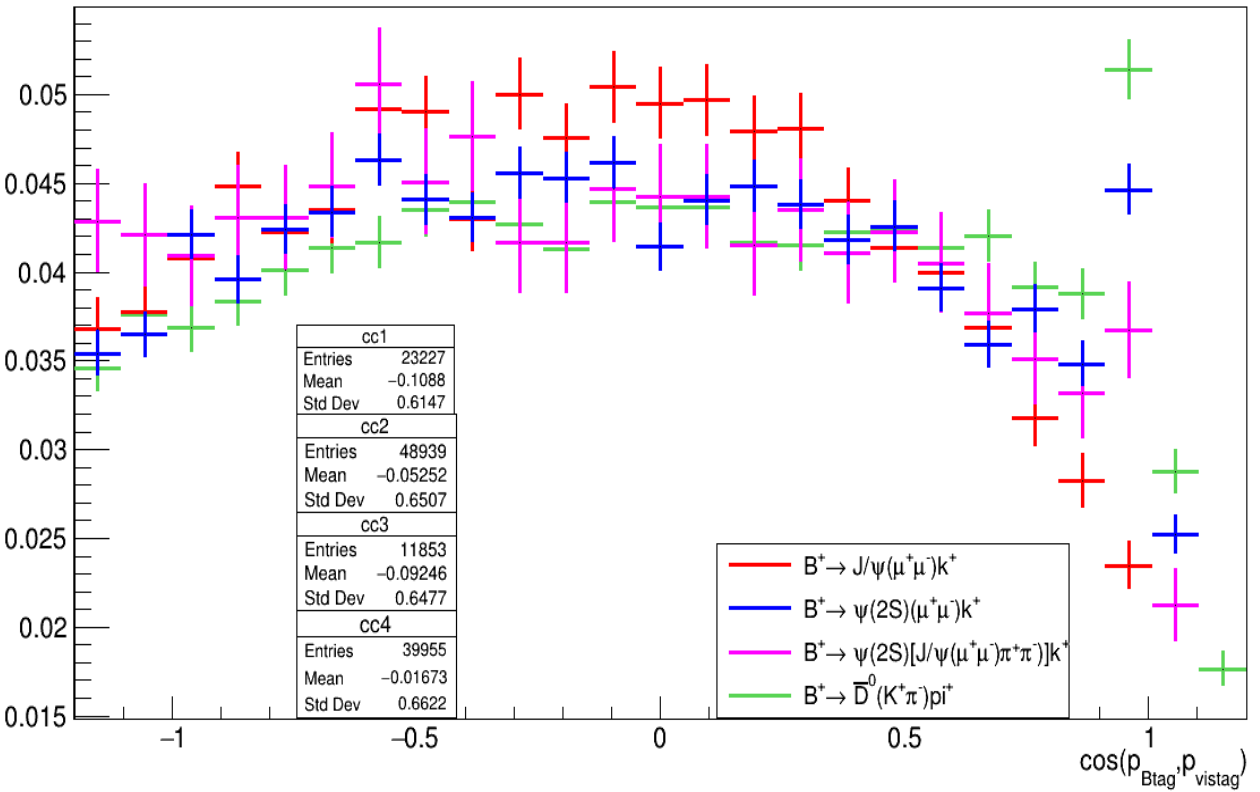

Number of candidates

Cuts applied

- **abs(cos(p_{Btag},p_{vistag})) < 1.2**
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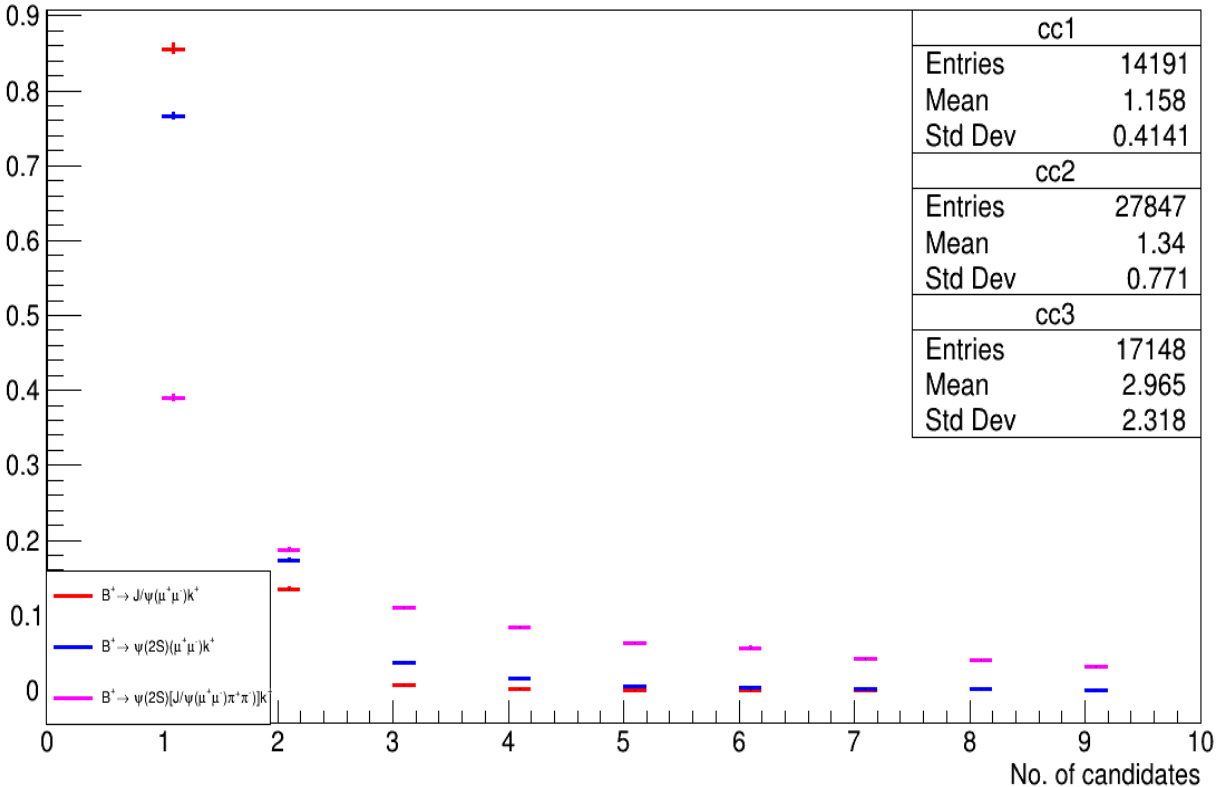

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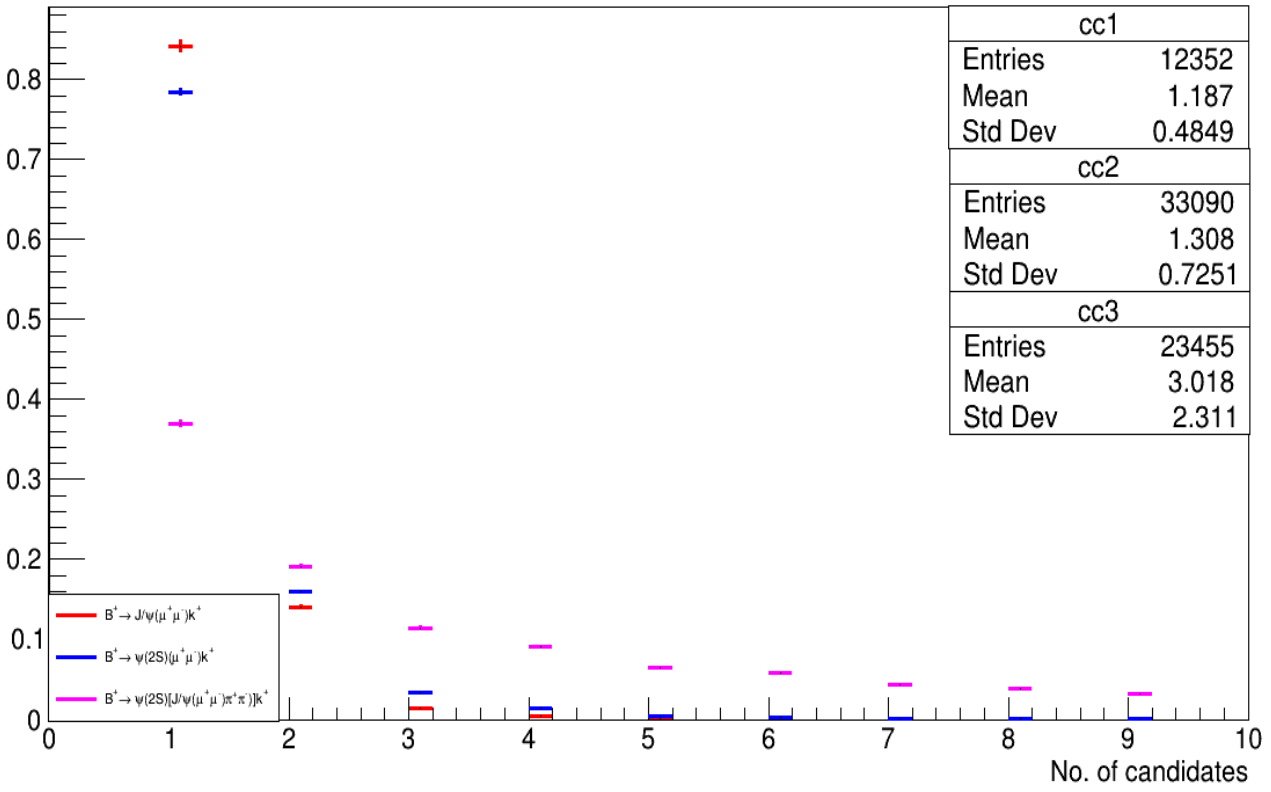

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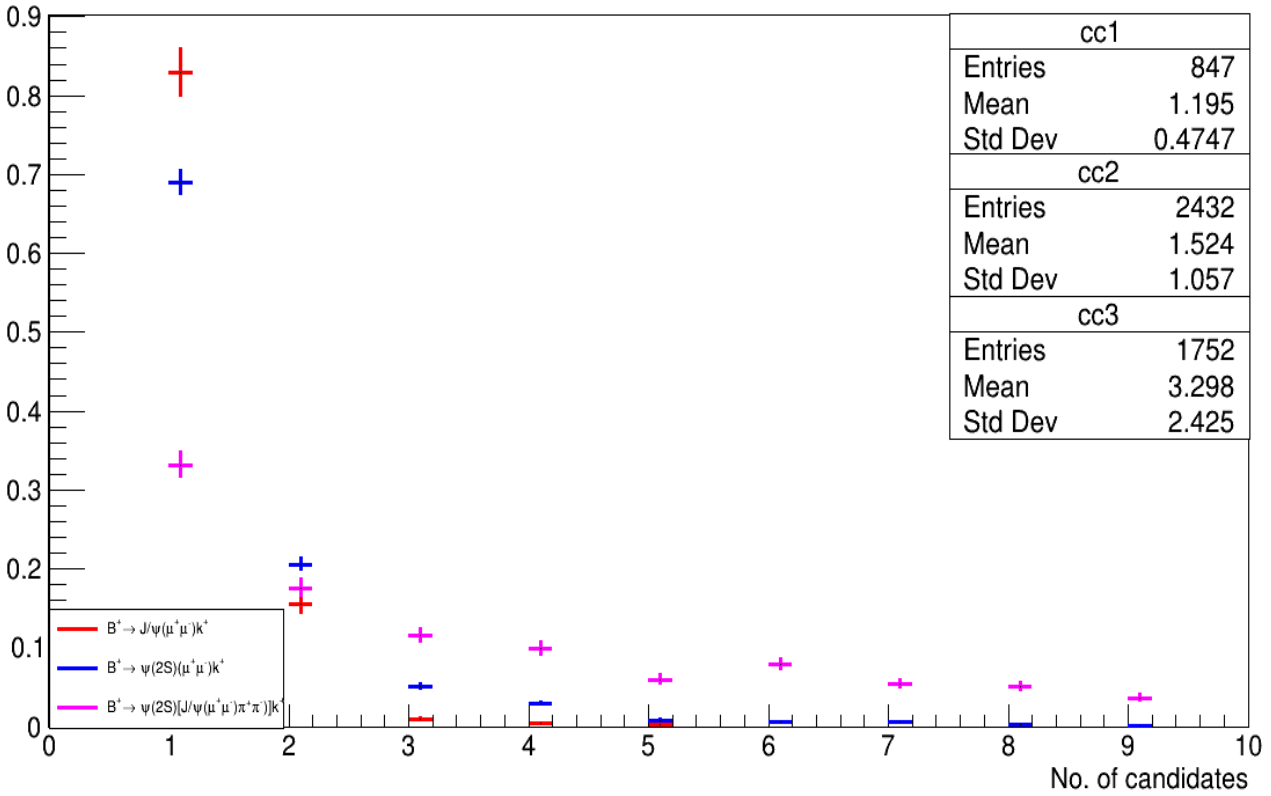

Number of photons

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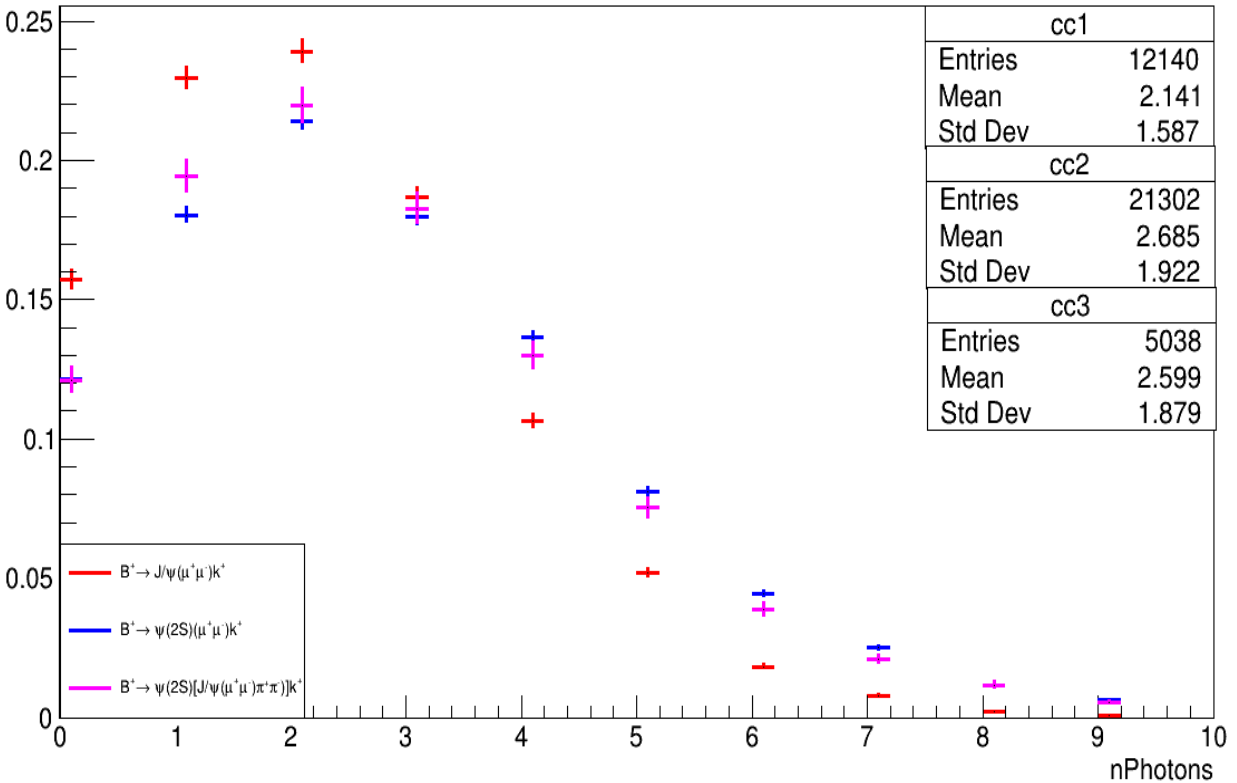

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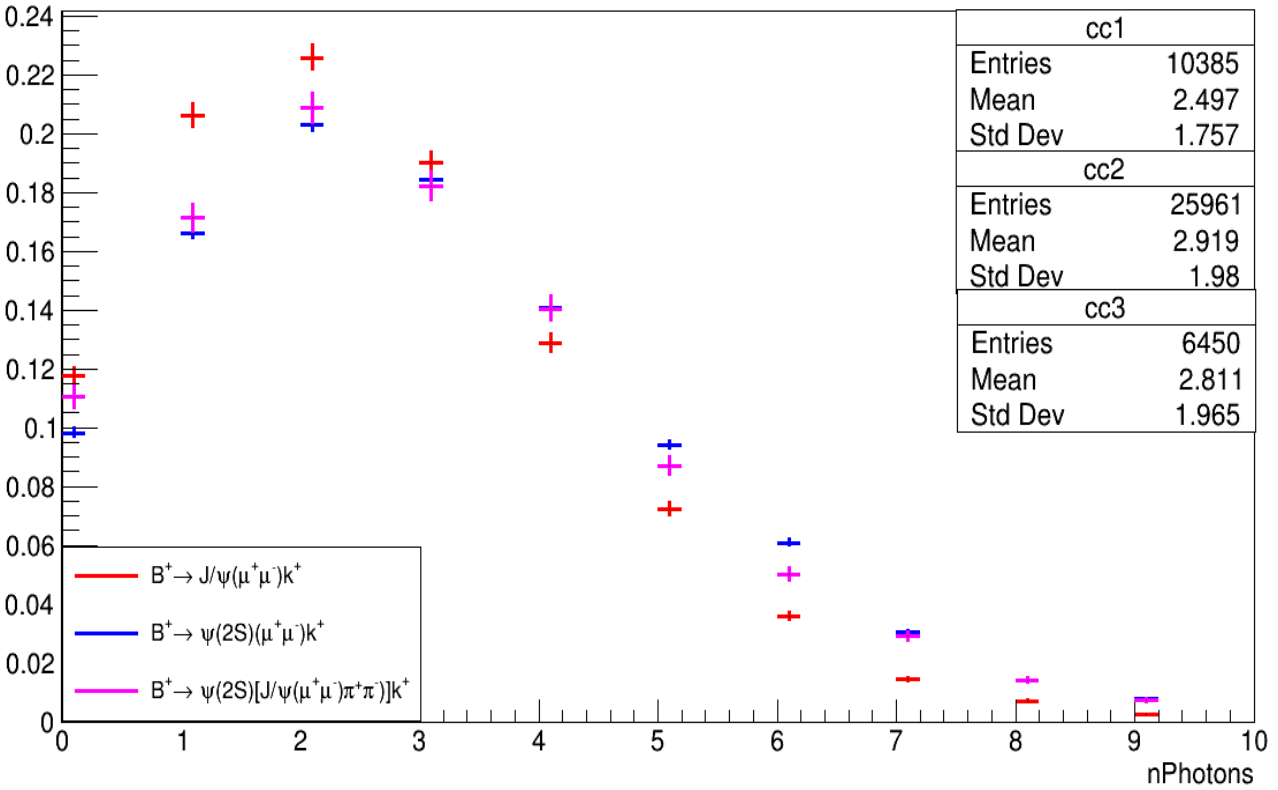

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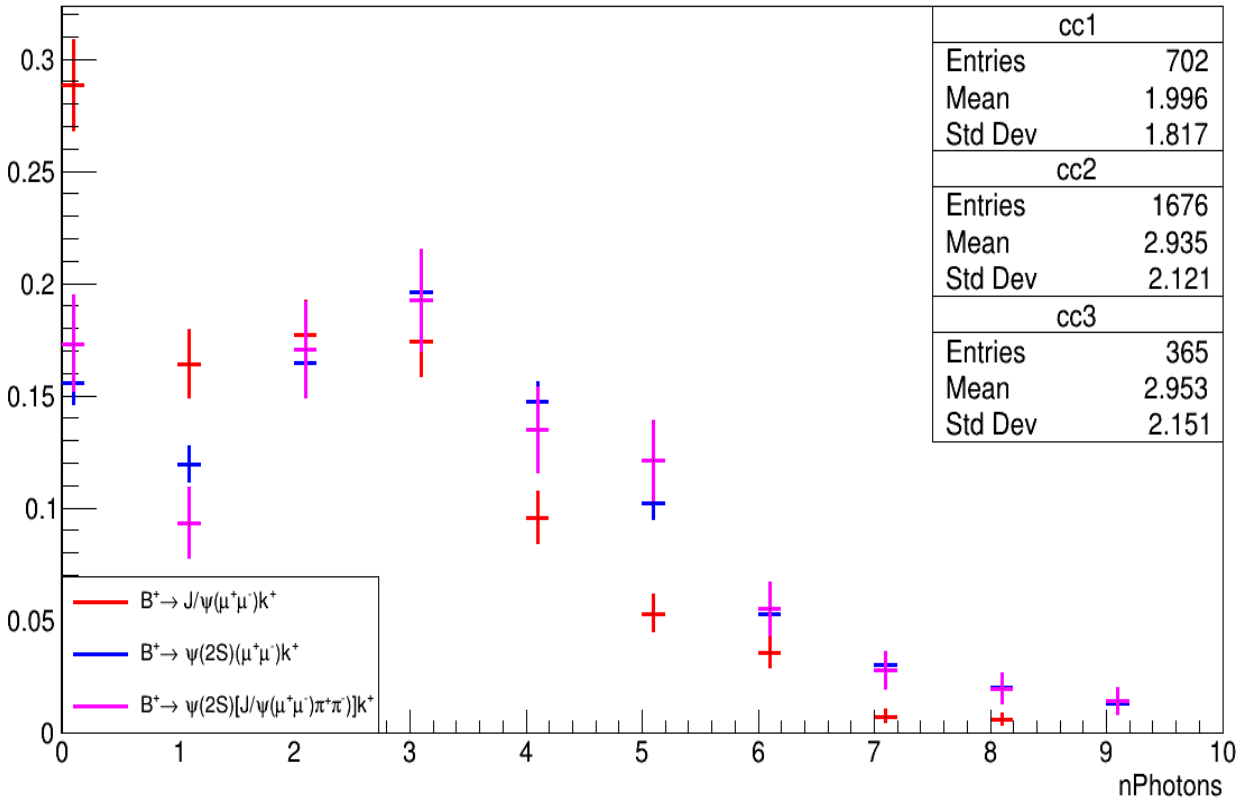

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