Generic MC

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

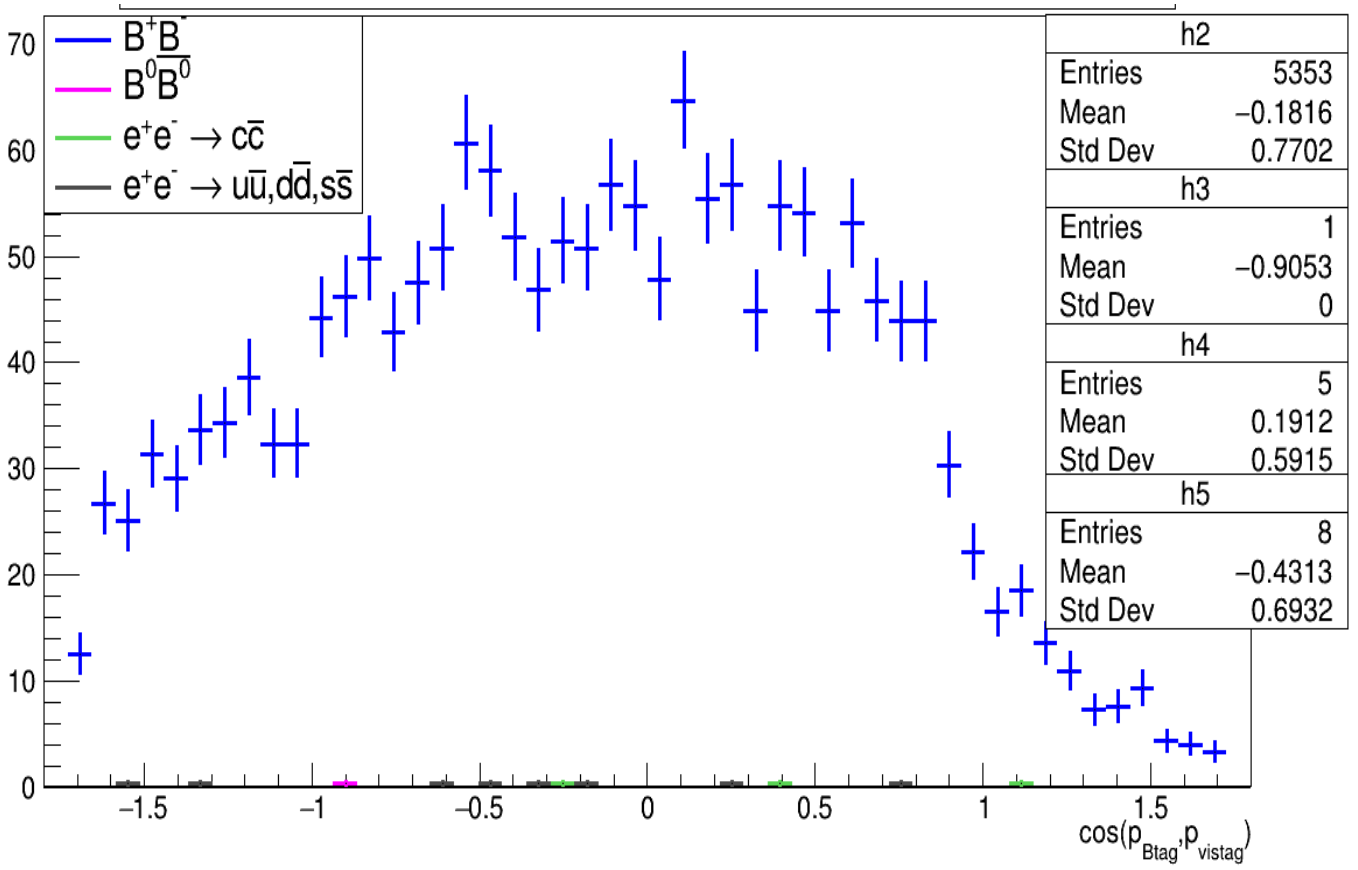
3.0 streams of generic MC

27 May 2024

$\cos(p_{Btag}, p_{vistag})$

Cuts applied

- Rank 1
- $M_{bc} > 5.27$ GeV
- $-0.050 < \Delta E < 0.050$ GeV
- abs(sin_phi) < 1.25
- $\text{abs}(\cos(p_{Btag}, p_{vistag})) < 1.7$
- $1.83 < m_D < 1.89$ GeV
- $1.7 < m_{hadROE} < 2.2$ GeV



$\cos(p_{Btag}, p_{vistag})$

Cuts applied

- Rank 1
- **nLeptons ==1**
- $M_{bc} > 5.27$ GeV
- $-0.050 < \Delta E < 0.050$ GeV
- abs(sin_phi) < 1.25
- $abs(\cos(p_{Btag}, p_{vistag})) < 1.7$
- $1.83 < m_D < 1.89$ GeV
- $1.7 < m_{hadROE} < 2.2$ GeV