

Belle data update

All experiments of Belle

03 Jan. 2023

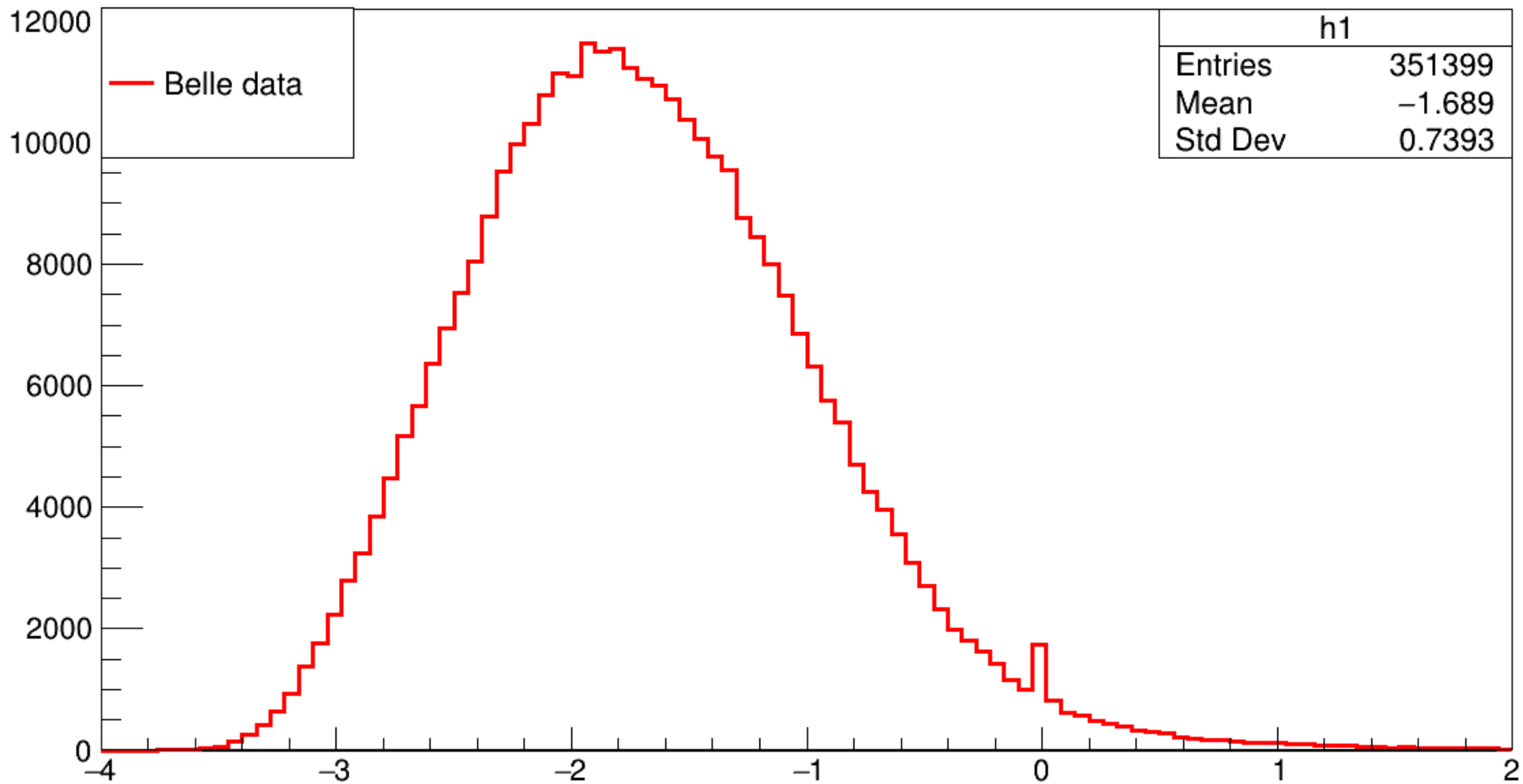
Cuts in the reconstruction program

- MVA photon cuts
- $1.6 < m_{\text{hadROE}} < 2.4 \text{ GeV}$

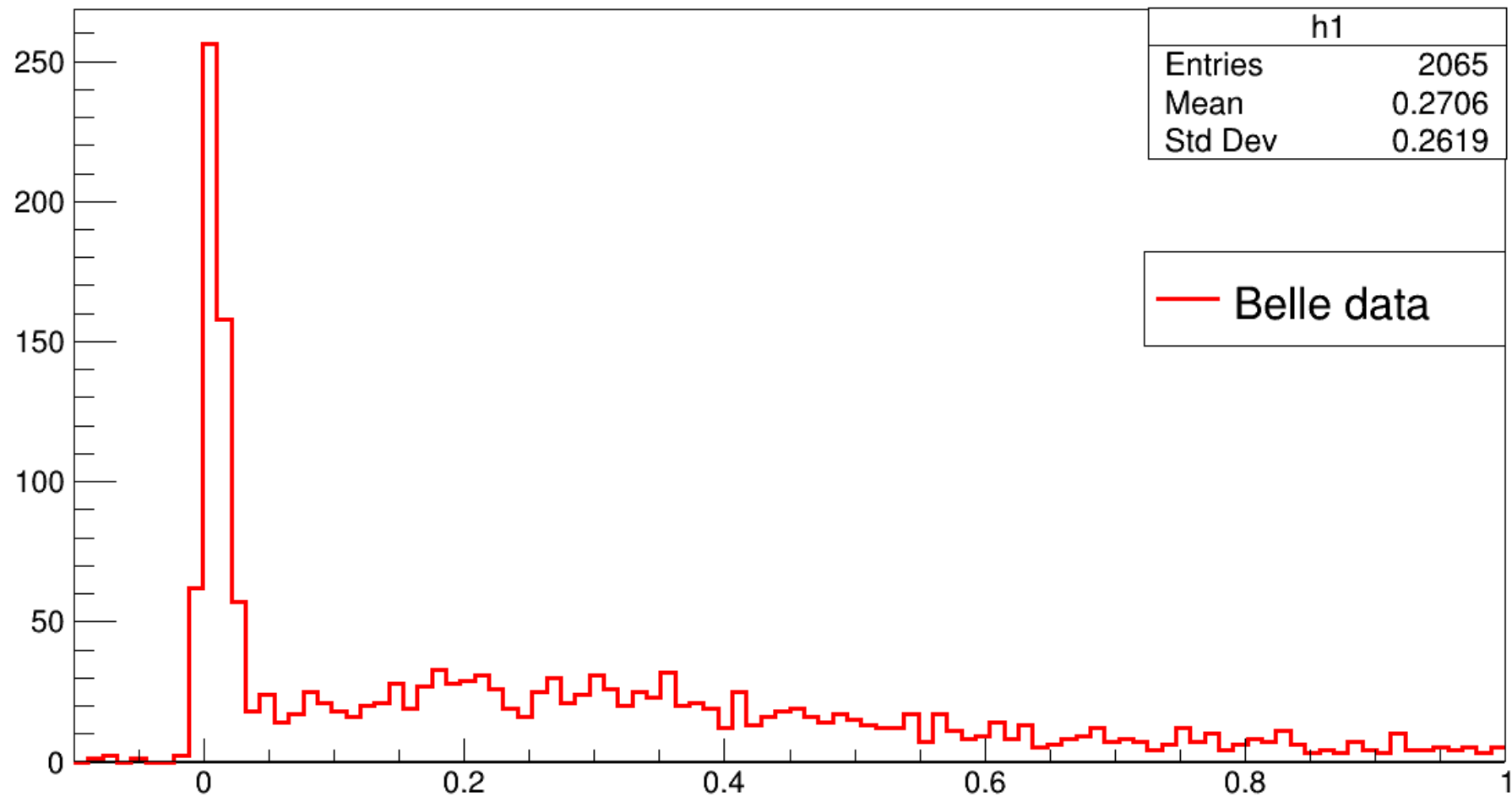
Signal side cuts (root level)

- All applied cuts are mentioned in the title of the plots.

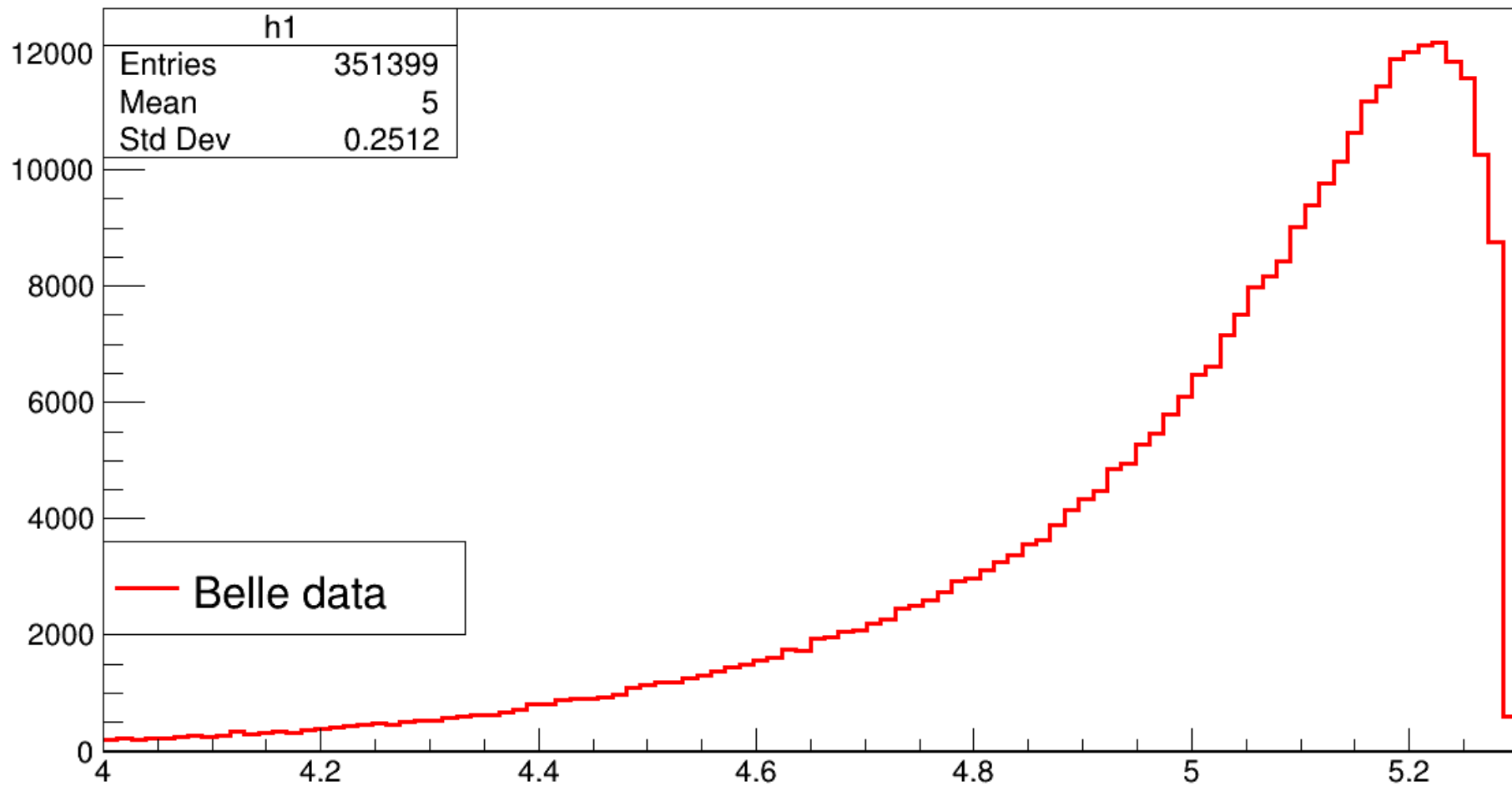
deltaE_Bsig with rank 1



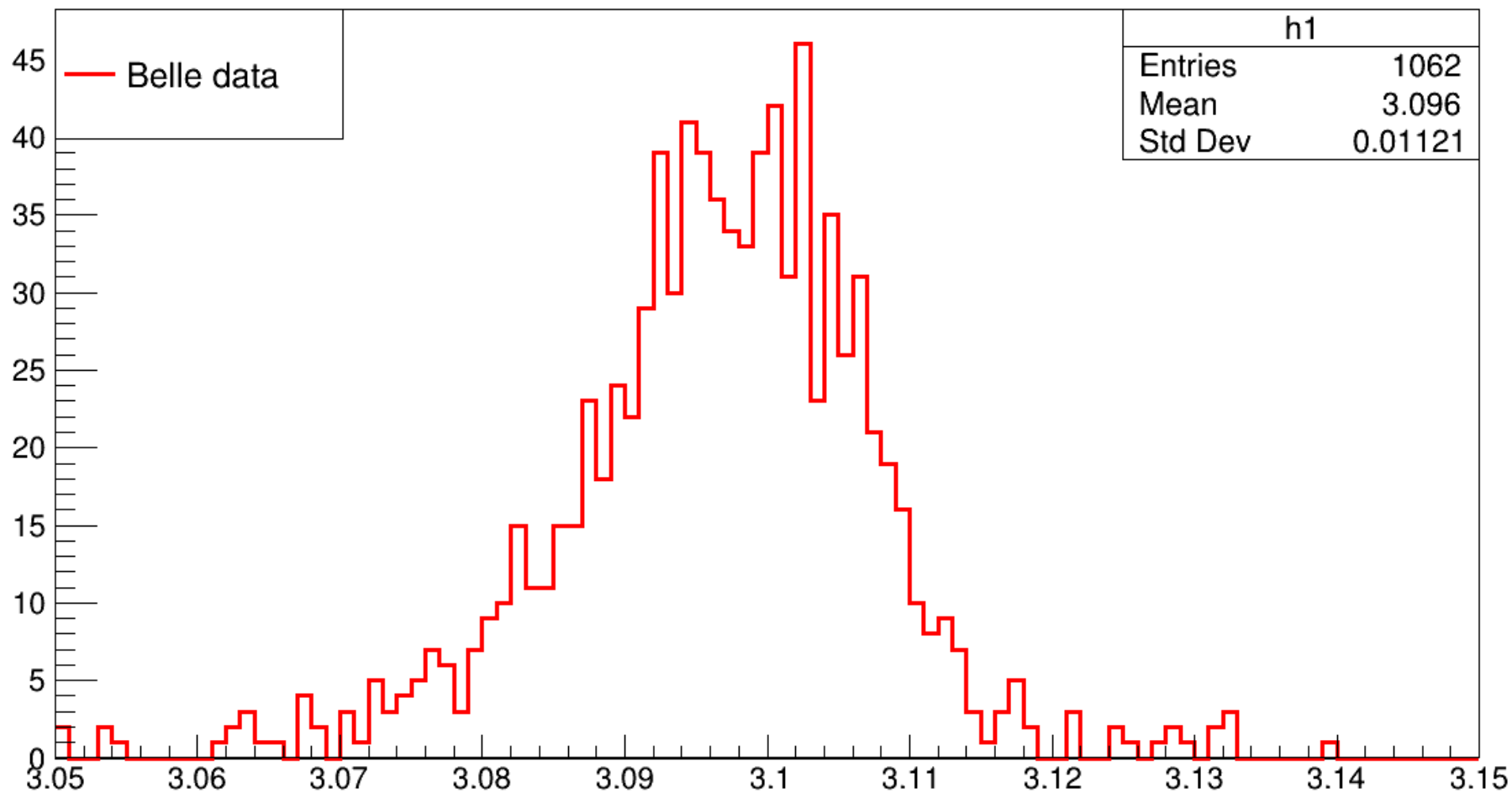
deltaE_Bsig with rank 1 and abs(sin_phi)<1



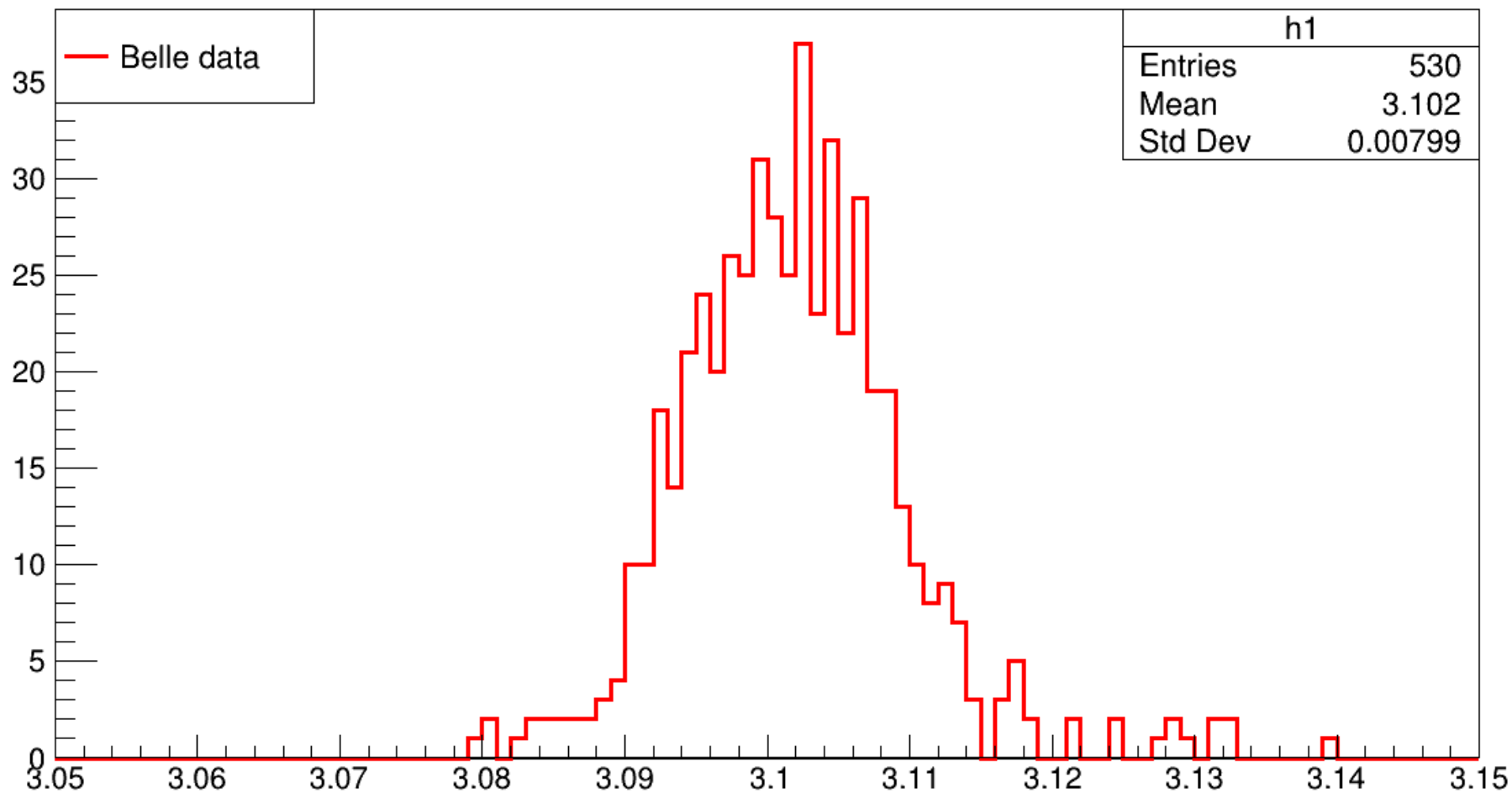
Mbc_Bsig with rank 1



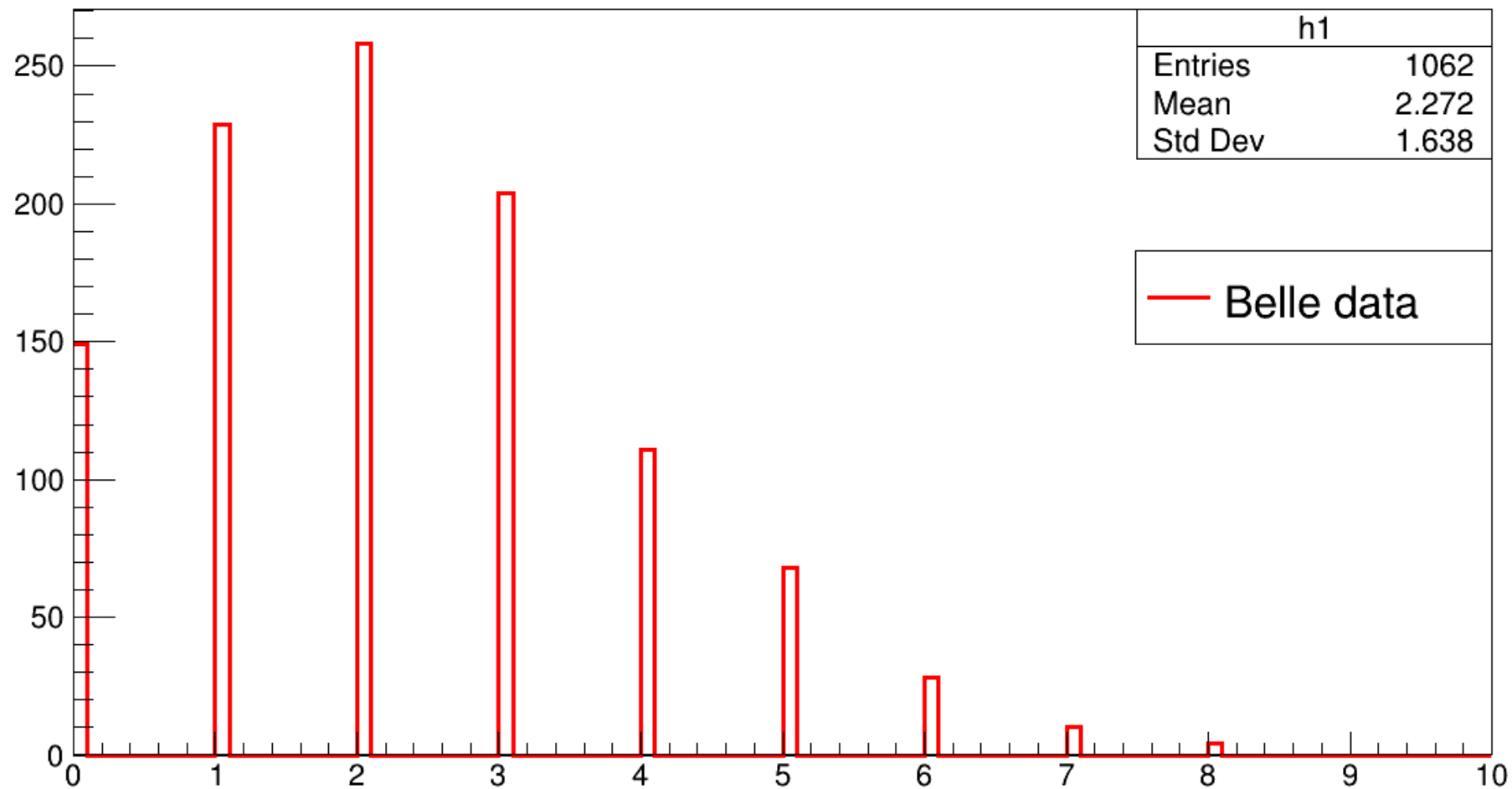
m_Jpsi with rank 1, $-0.15 < \Delta E_{Bsig} < 0.050$ and $M_{bc_Bsig} > 5.27$



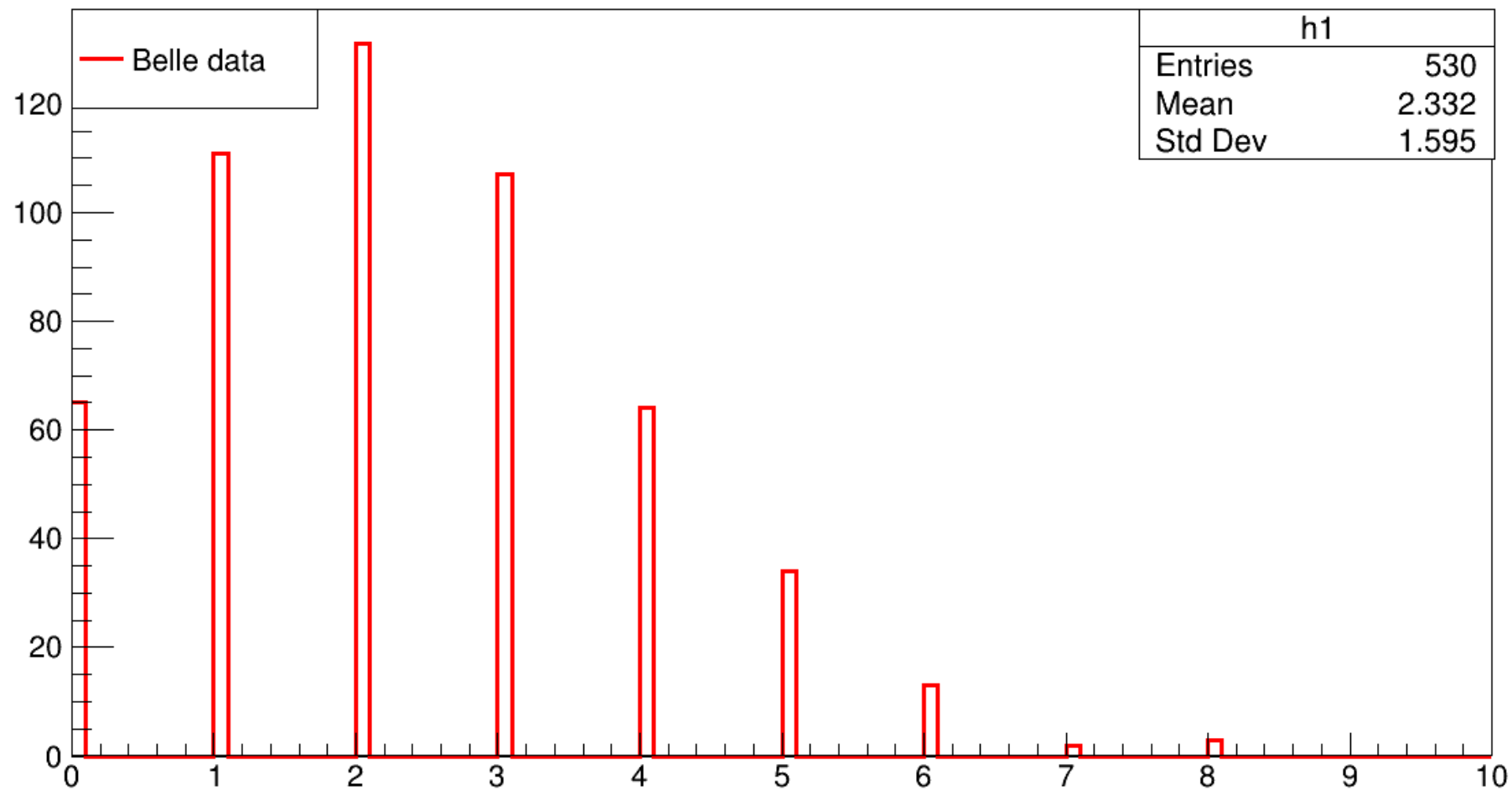
m_Jpsi with rank 1, $|\sin\phi| < 1$, $-0.15 < \Delta E_{Bsig} < 0.050$ and $M_{bc_Bsig} > 5.27$



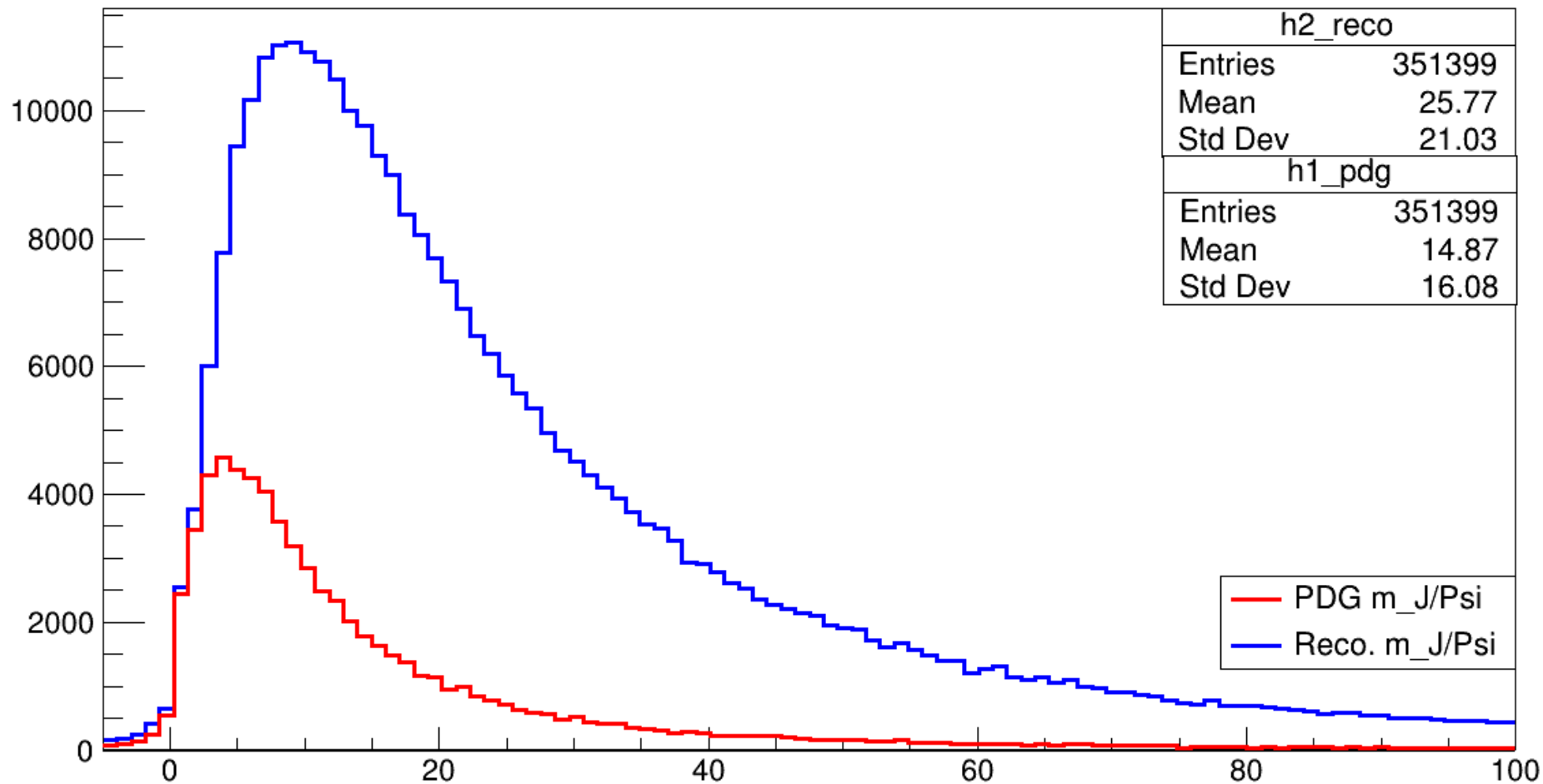
Number of photons with rank 1, $-0.15 < \Delta E_{Bsig} < 0.050$ and $M_{bc_Bsig} > 5.27$



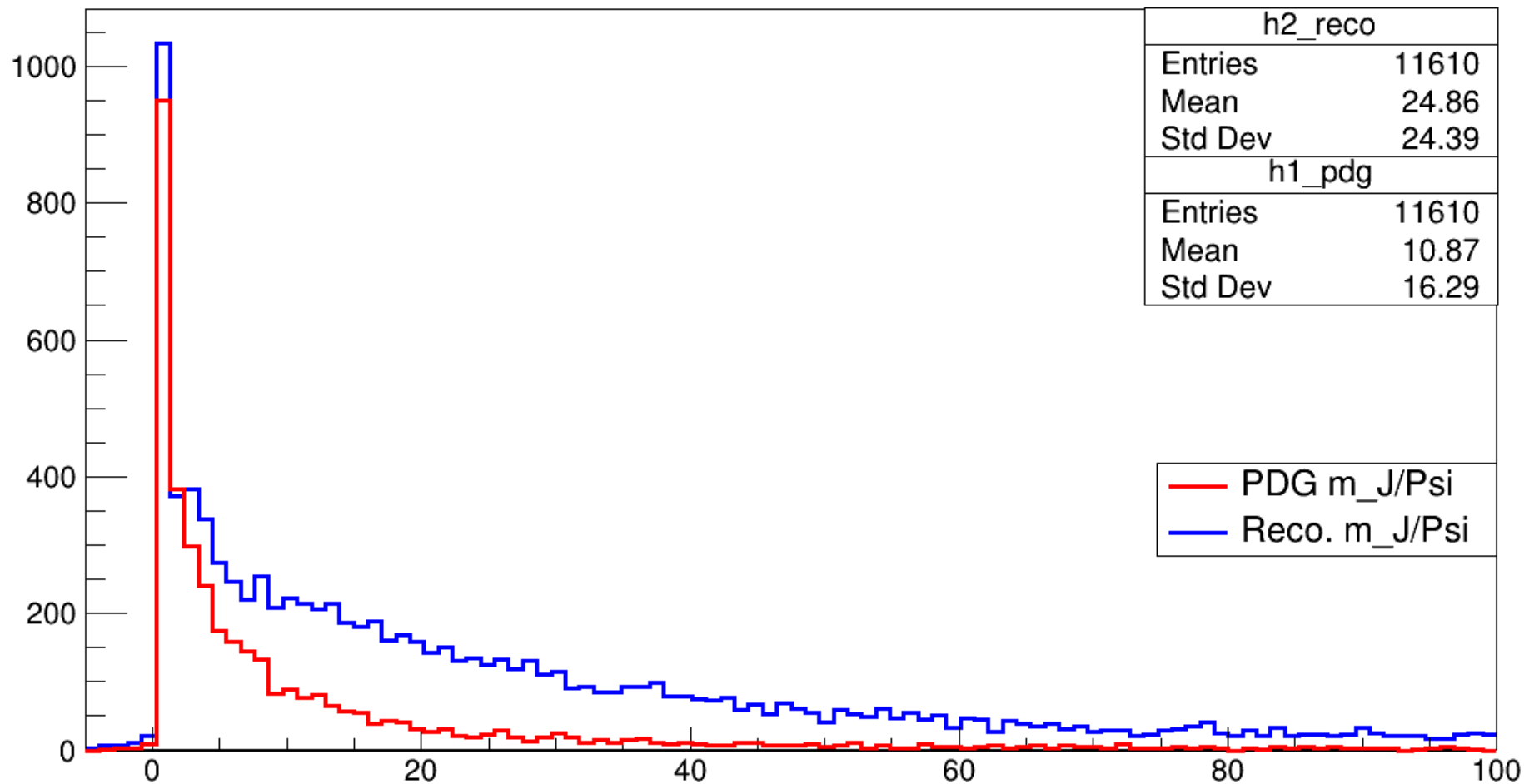
Number of photons with rank 1, $|\sin(\phi)| < 1$, $-0.15 < \Delta E_{\text{Bsig}} < 0.050$ and $M_{\text{bc_Bsig}} > 5.27$



Sin_phi with rank 1



Sin_phi with rank 1 and Mbc_Bsig>5.27



Sin_phi with rank 1, $-0.15 < \Delta E_{Bsig} < 0.050$ and $M_{bc_Bsig} > 5.27$

