

Scatter plots

Belle Data
All experiments of Belle

17 Jan. 2024

Cuts in the reconstruction program

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

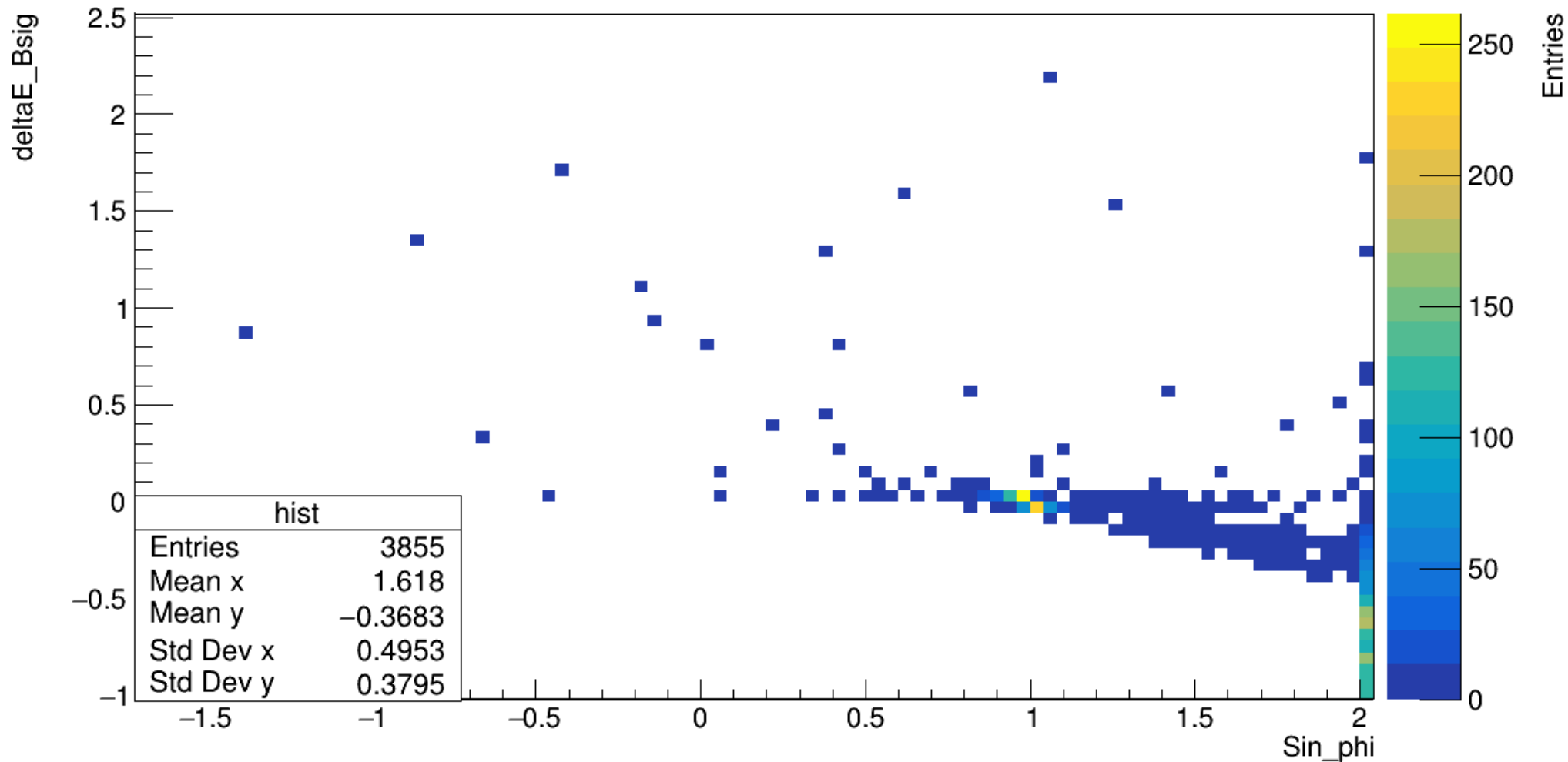
Signal side cuts (root level)

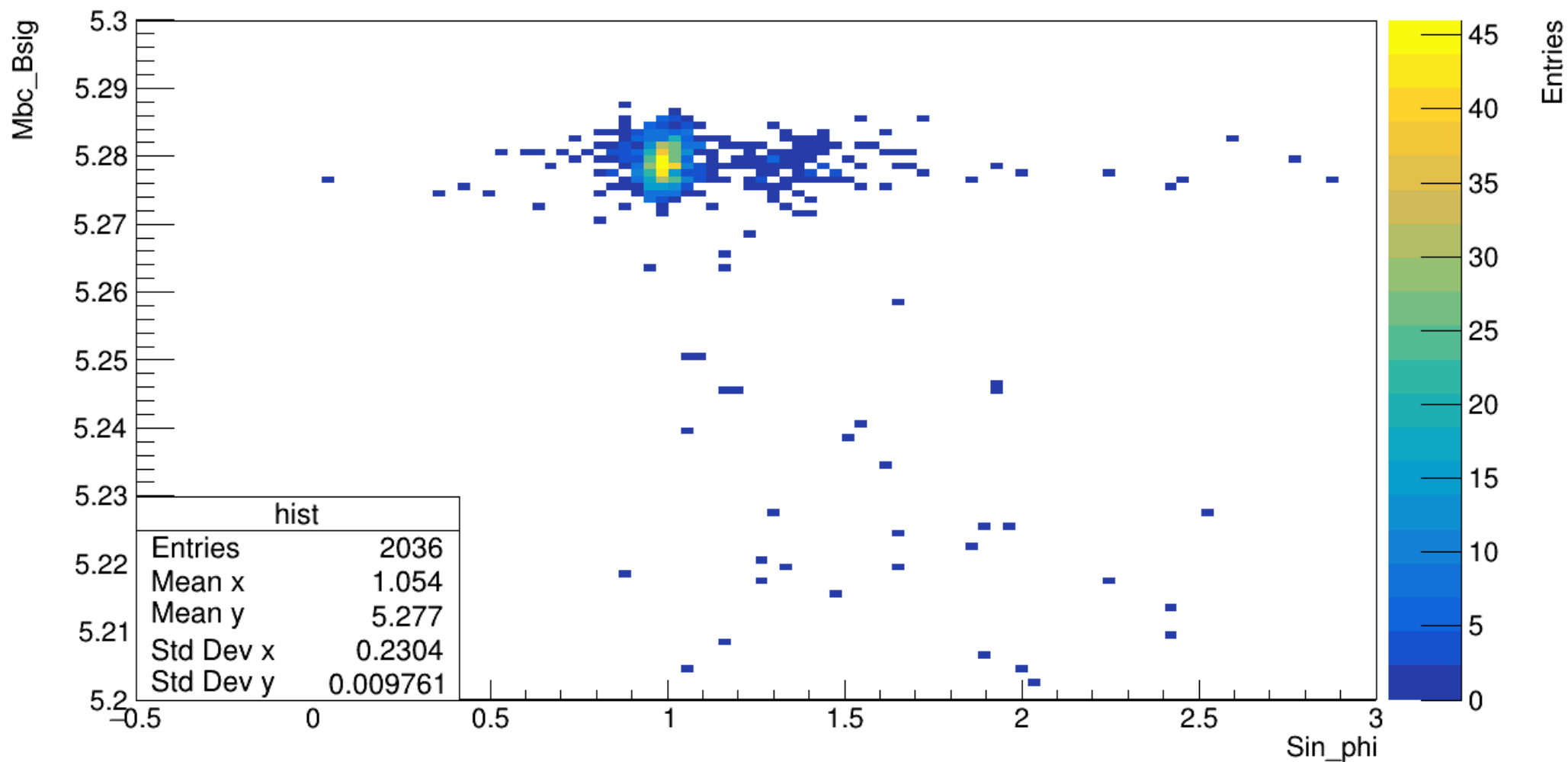
- All applied cuts are mentioned in the title of the plots.

Last meeting comments

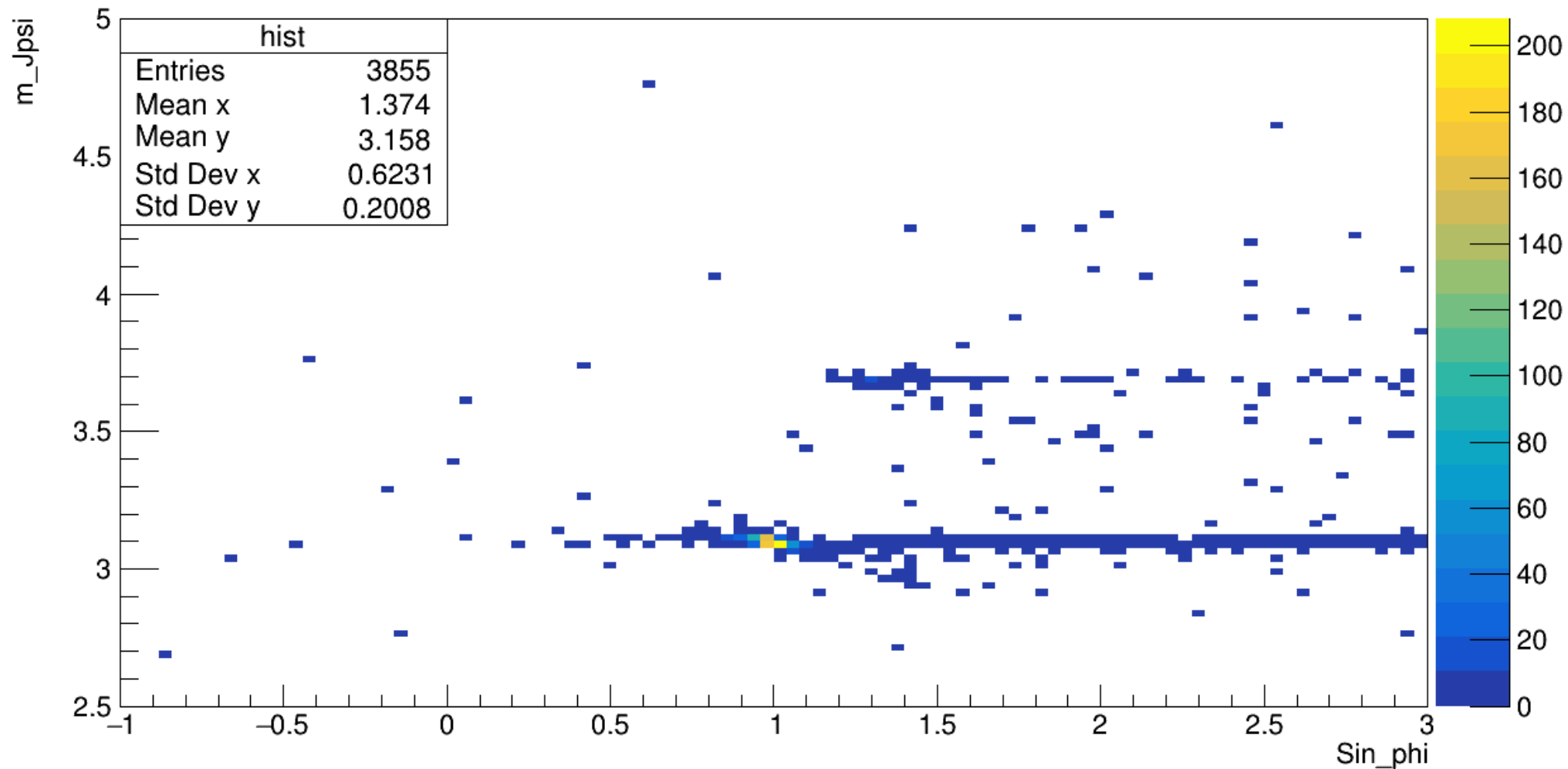
- Scatter plots for
 - 1- $\text{Sin}\phi$ Vs M_{bc}
 - 2- $\text{Sin}\phi$ Vs $\Delta E_{B_{sig}}$
 - 3- $\text{Sin}\phi$ Vs $m(J/\Psi)$
- Rescaling of the MC. (Not done yet)

DeltaE_Bsig:Sin_phi with Rank 1 and Mbc_Bsig>5.27



Mbc_Bsig:Sin_phi with Rank 1 and $-0.15 < \Delta E_{\text{Bsig}} < 0.050$ 

m_Jpsi:Sin_phi with Rank 1, and Mbc_Bsig>5.27



m_Jpsi:Sin_phi with Rank 1, Mbc_Bsig>5.27 and -0.15<deltaE_Bsig<0.050

