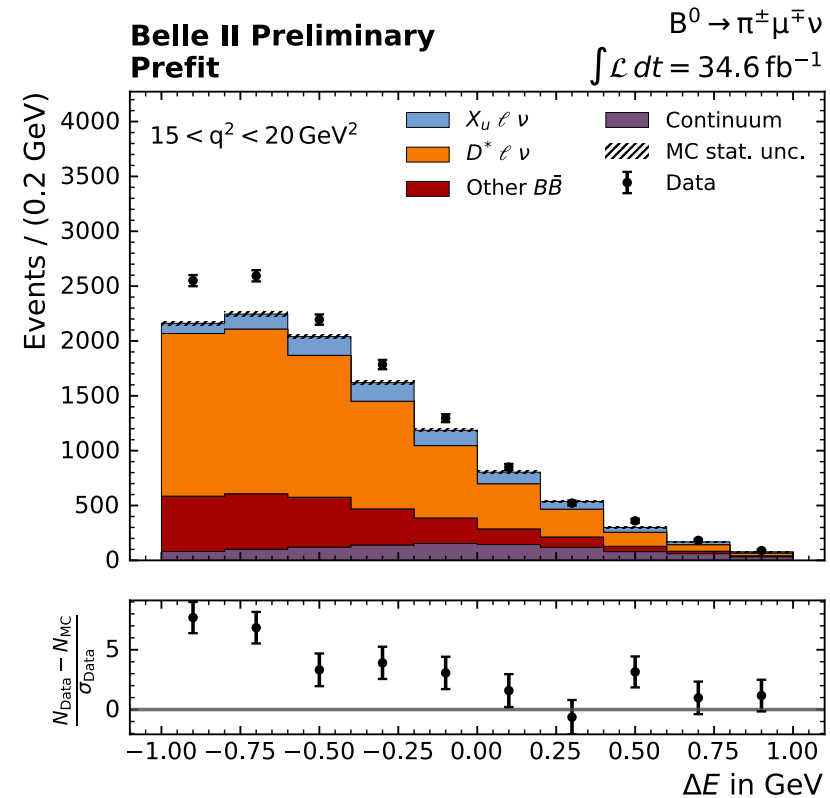
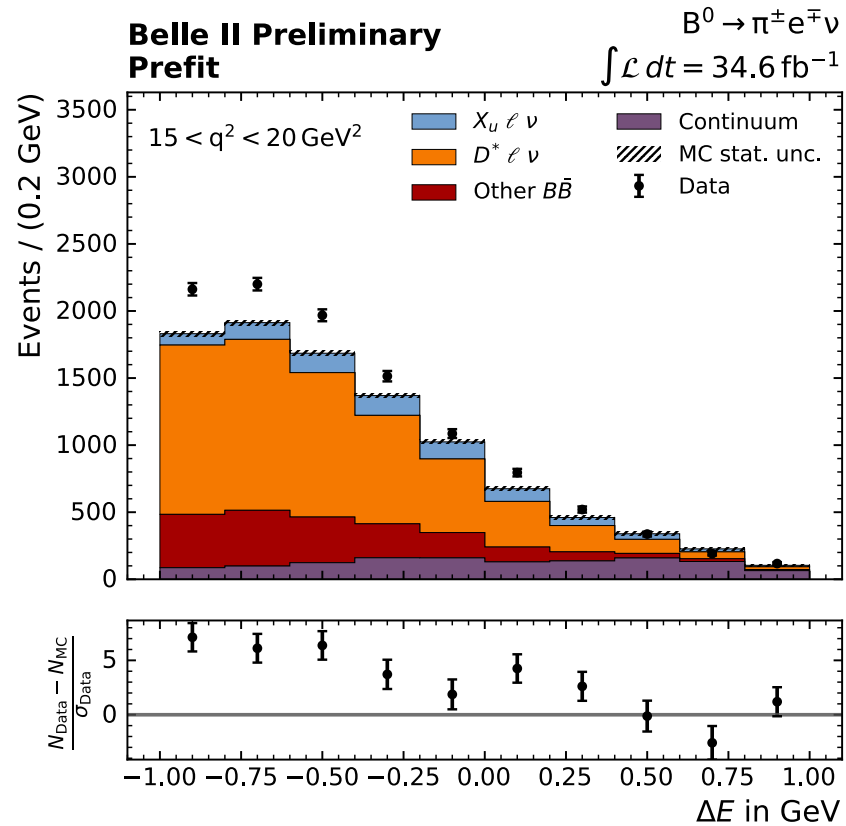


# Situation to investigate:

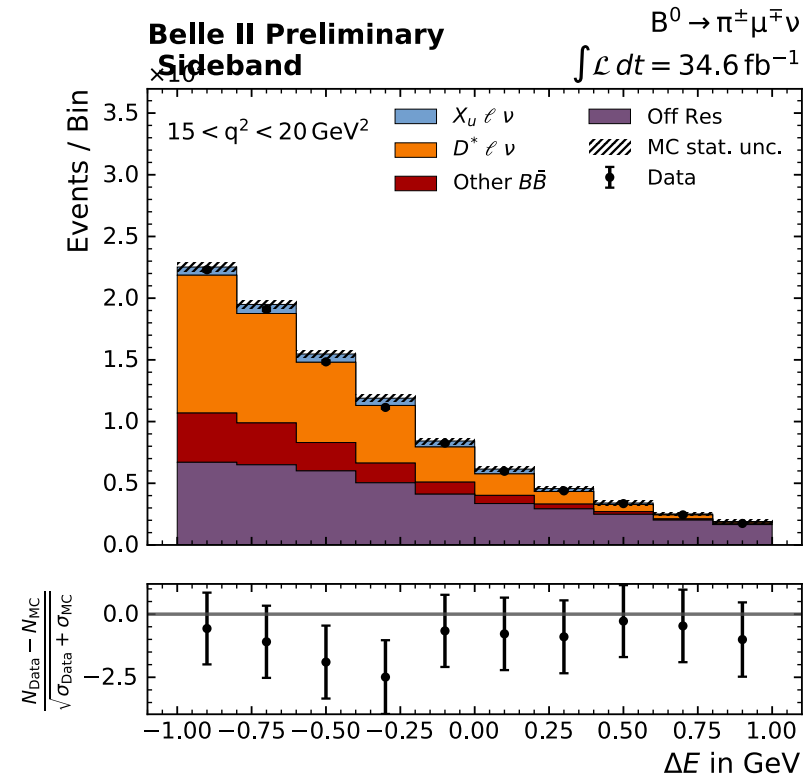
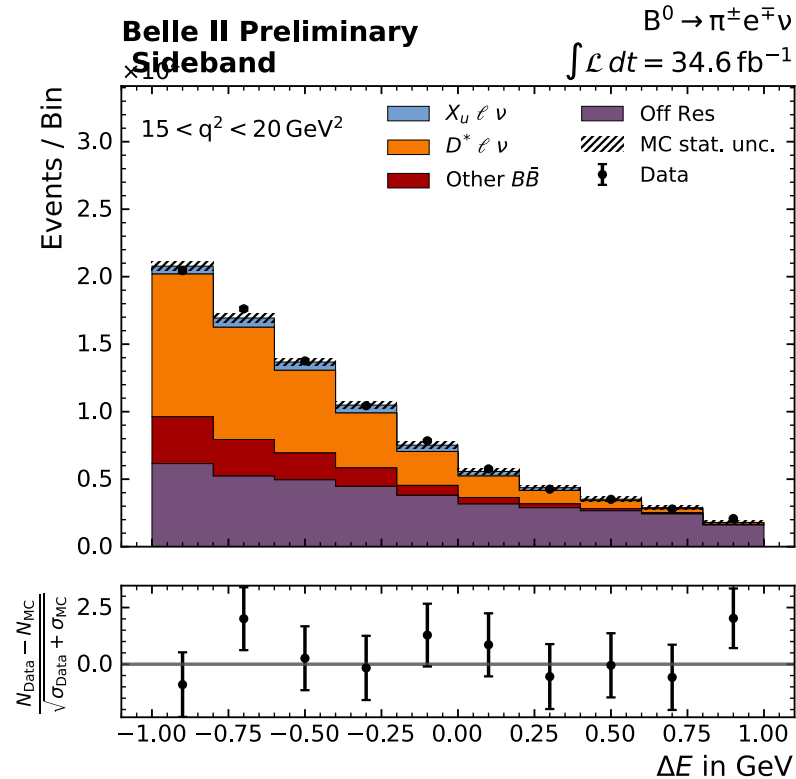


# First step:

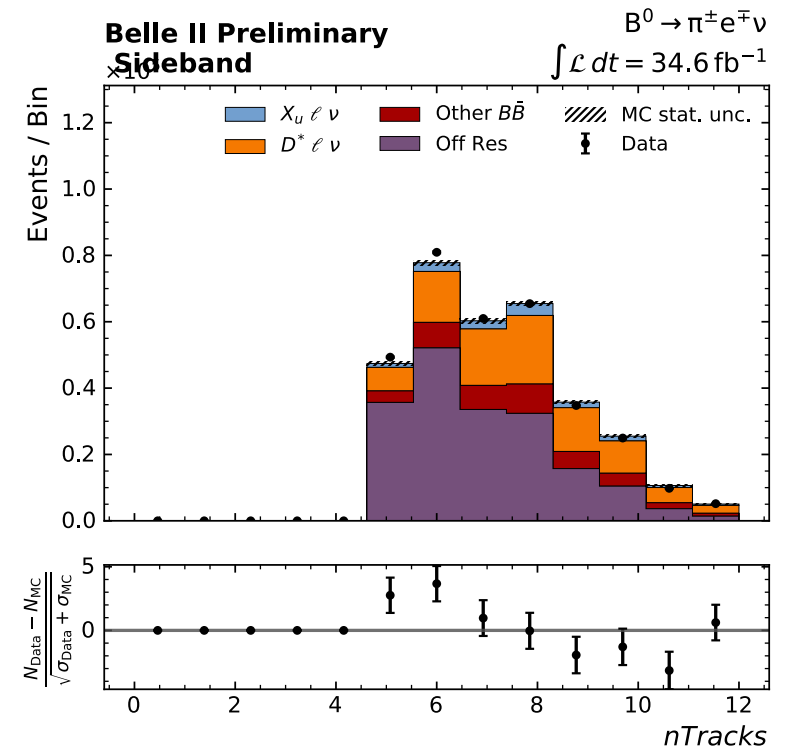
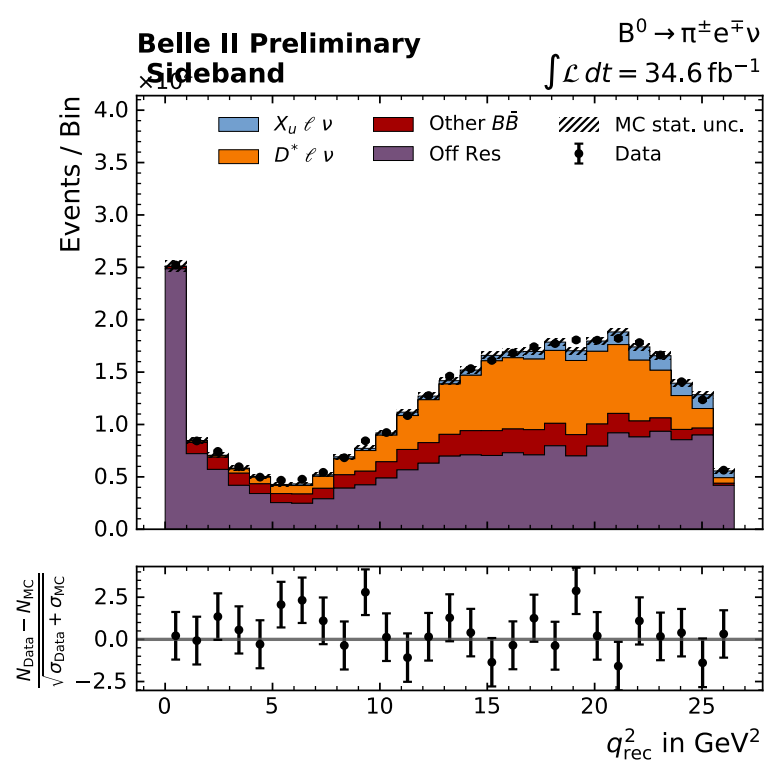
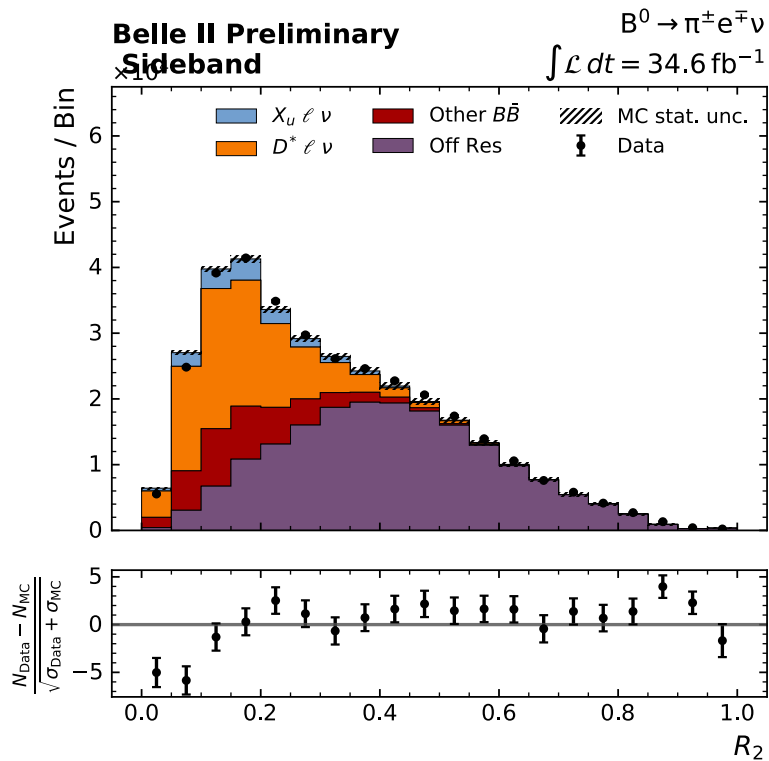
Look at situation with:

- $1.2 < |\cos\theta_{BY}| < 2.4$
- $n_{\text{CleanedTracks}} > 4$
- $-1.0 < \Delta E < 1.0$
- $5.0 < M_{bc} < 5.3$

Also continuum MC replaced with scaled Off-resonance data



# R2, q2 and nCleanedTracks:



# Next?

- Look sequentially at other cuts
- And the selection on the BDT classifier
- Need to add leptonID correction at each step?

# Muon mode:

