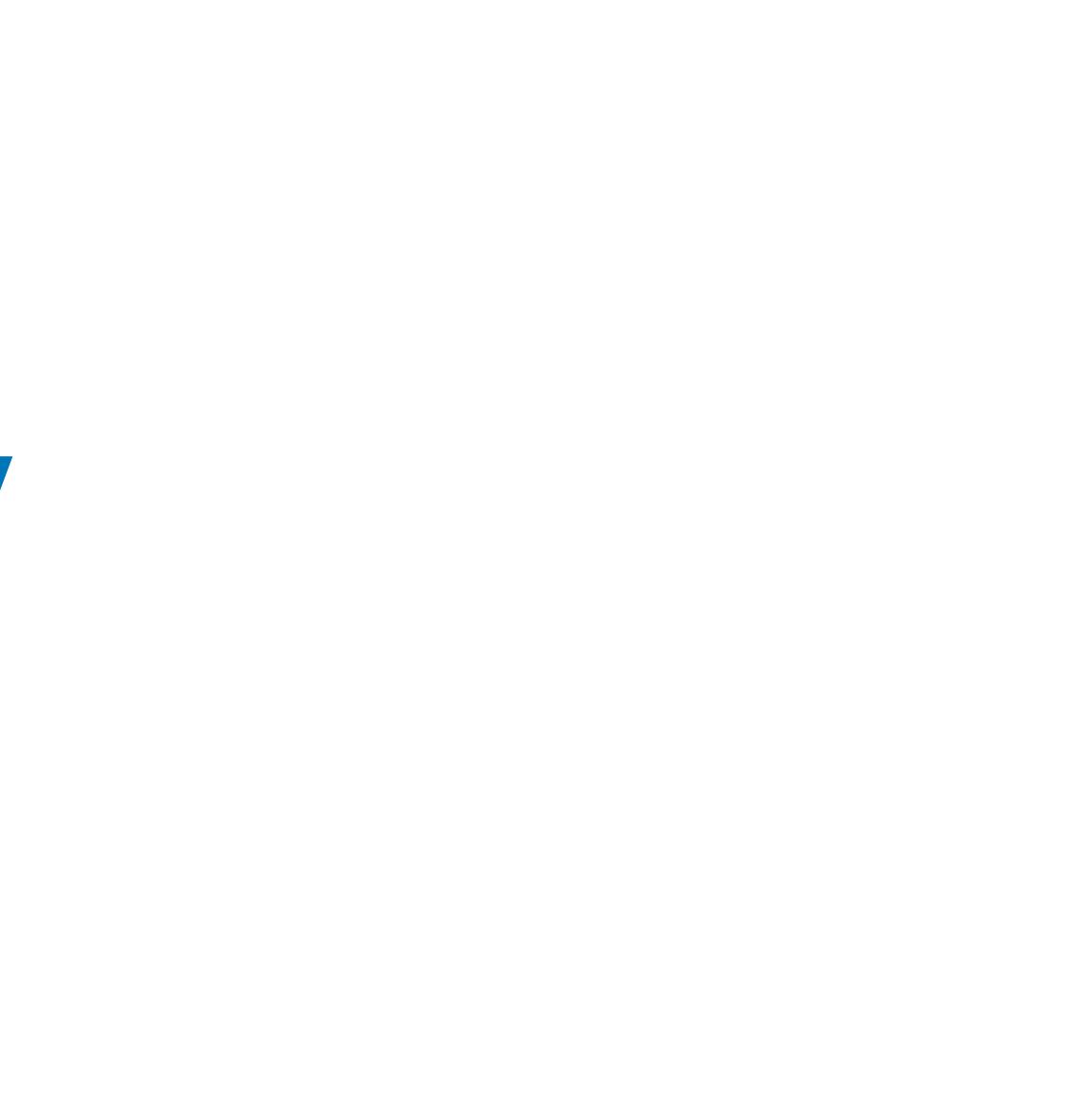
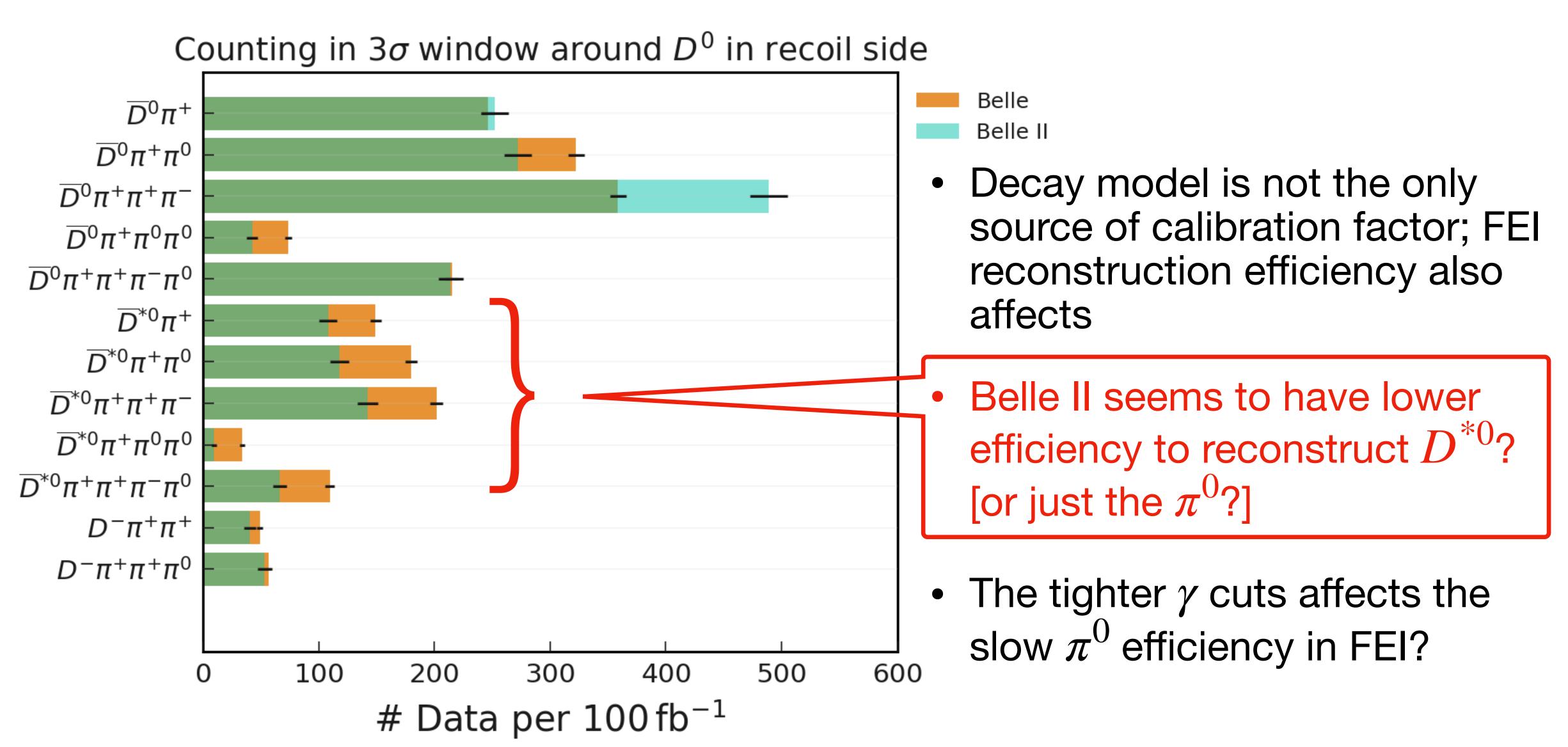
Belle II FEI study MC15ri: 400 fb-1

Niharika Rout 16 sep 2022



Comparison with Belle



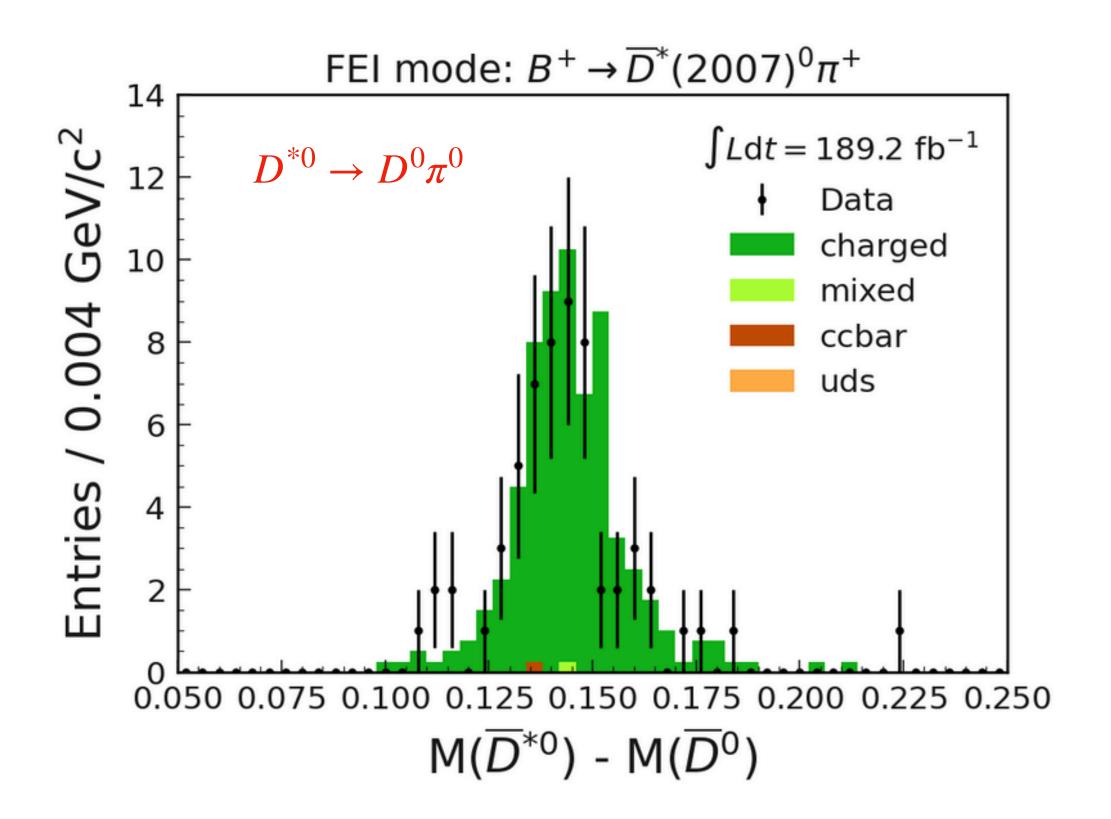




Comparison with Belle

```
if convertedFromBelle:
    gamma_cut = 'goodBelleGamma == 1 and clusterBelleQuality == 0'
else:
if specific:
```

```
gamma_cut += ' and isInRestOfEvent > 0.5'
```

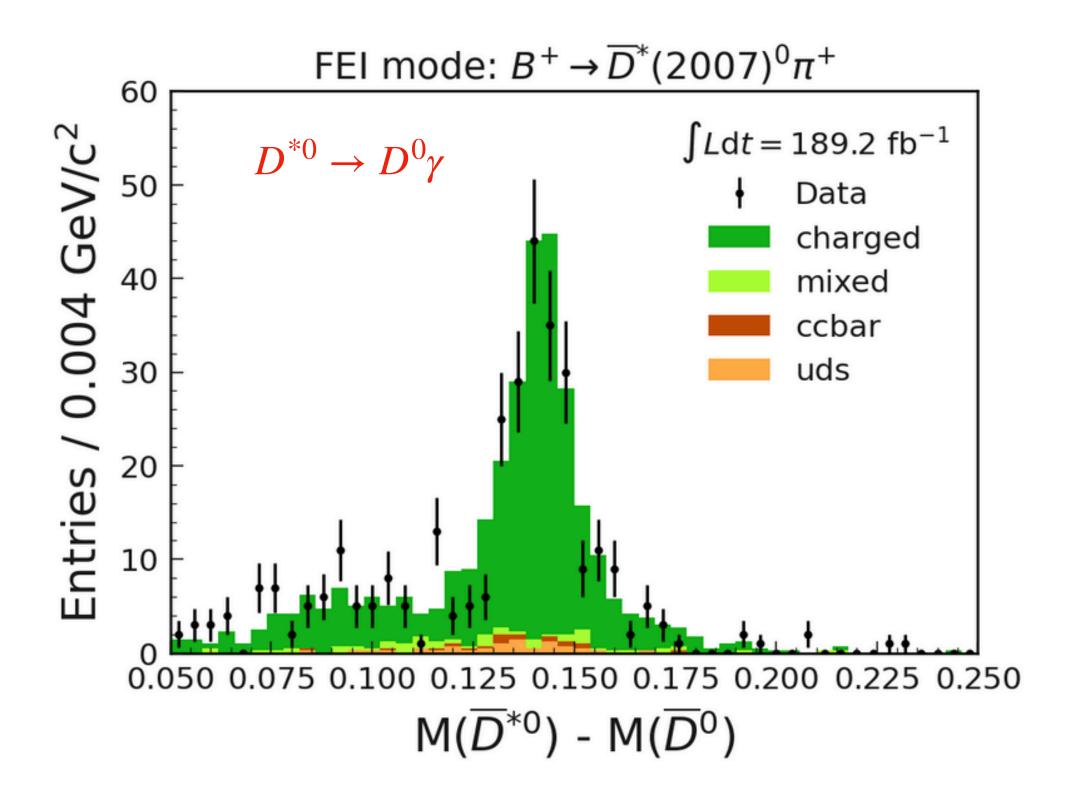




FEI pre-selection



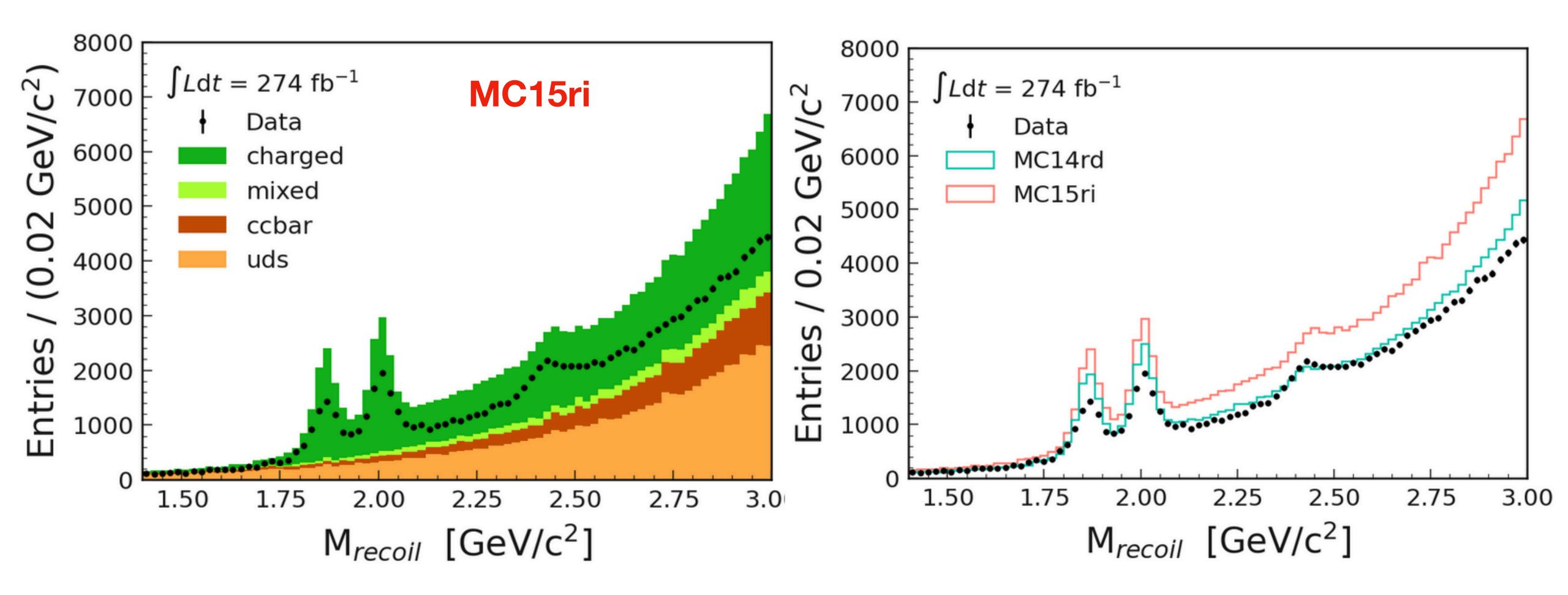
gamma_cut = '[[clusterReg == 1 and E > 0.10] or [clusterReg == 2 and E > 0.09] or [clusterReg == 3 and E > 0.16]]'





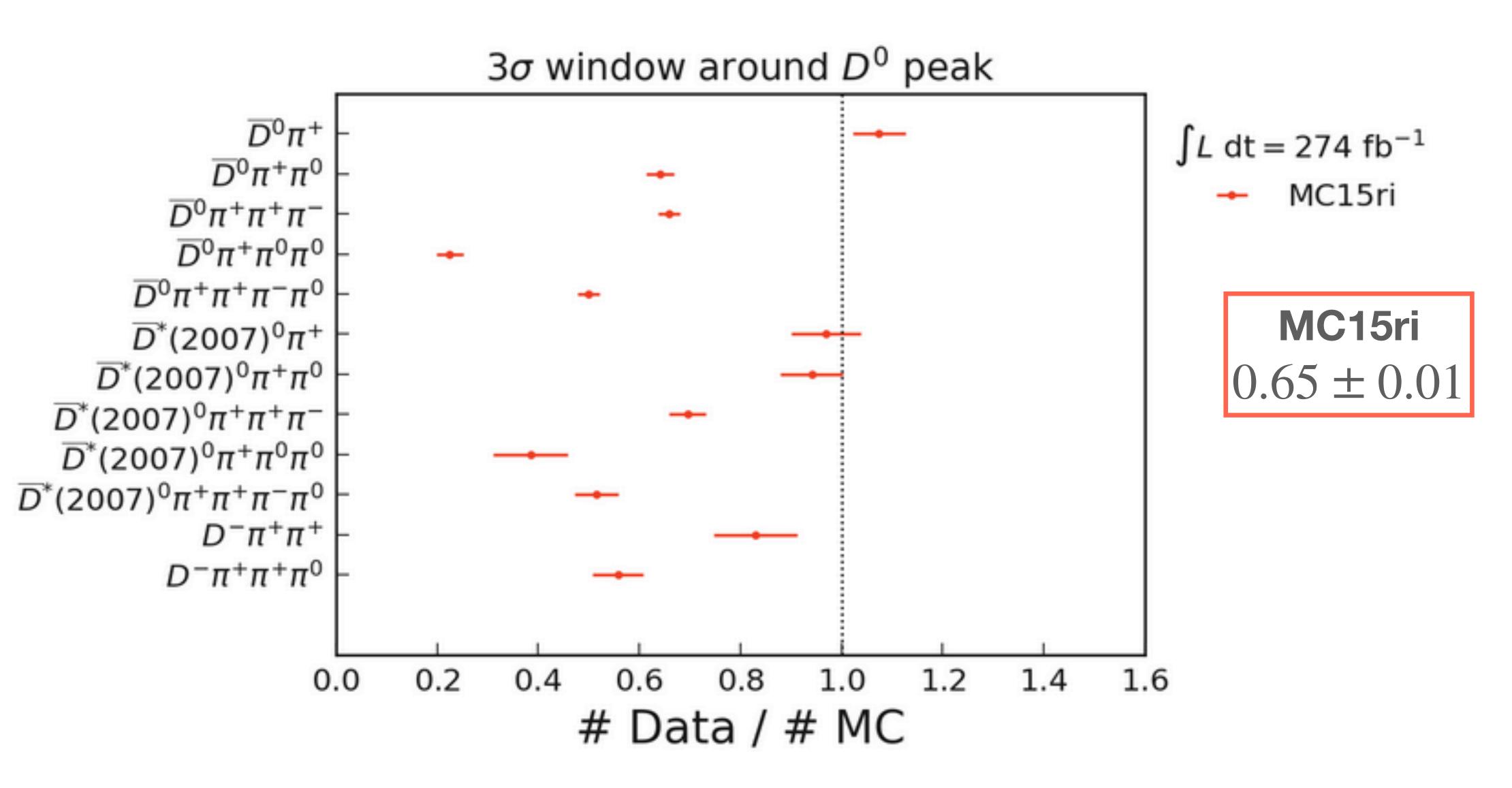






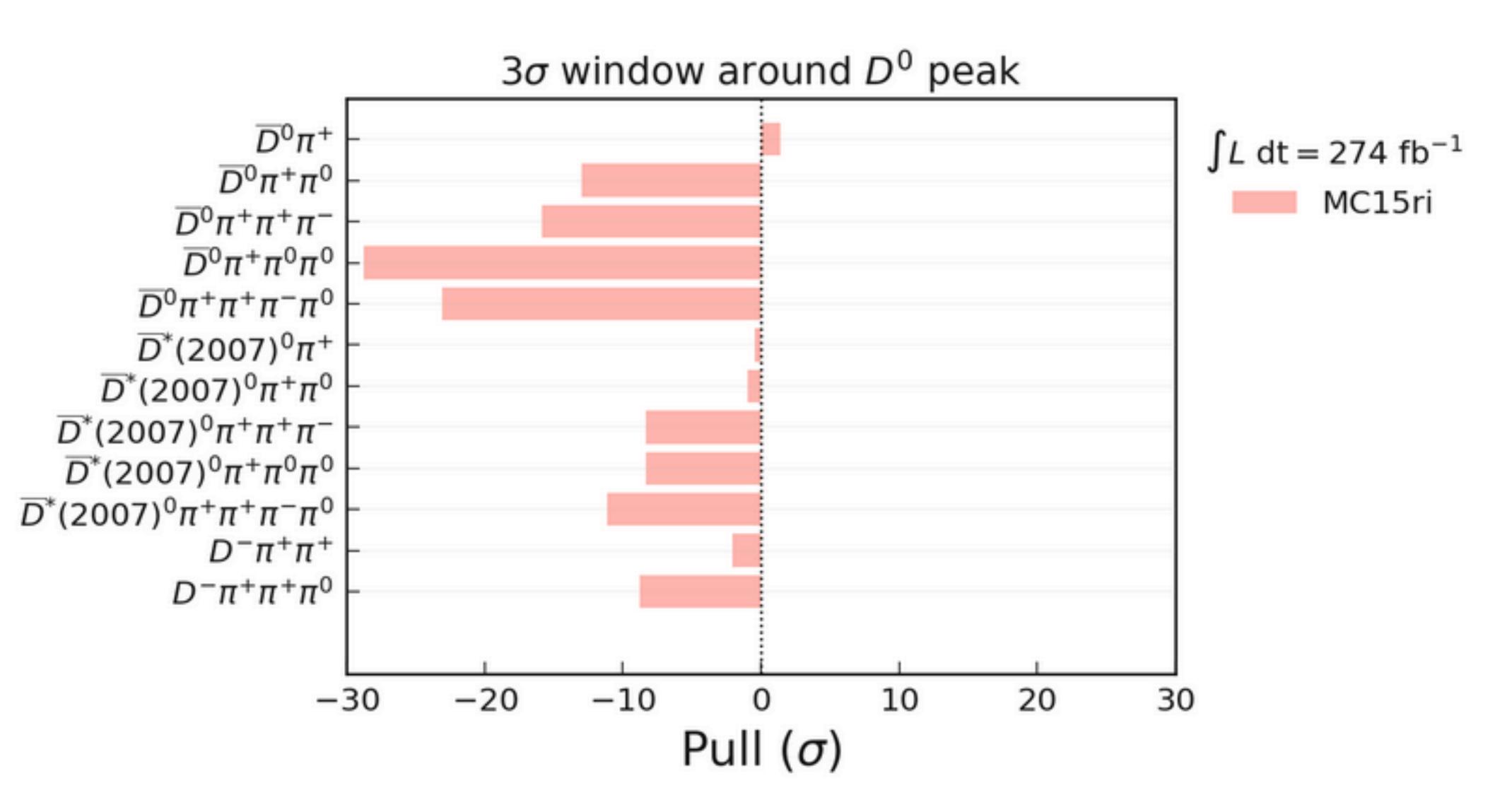


Calibration factors



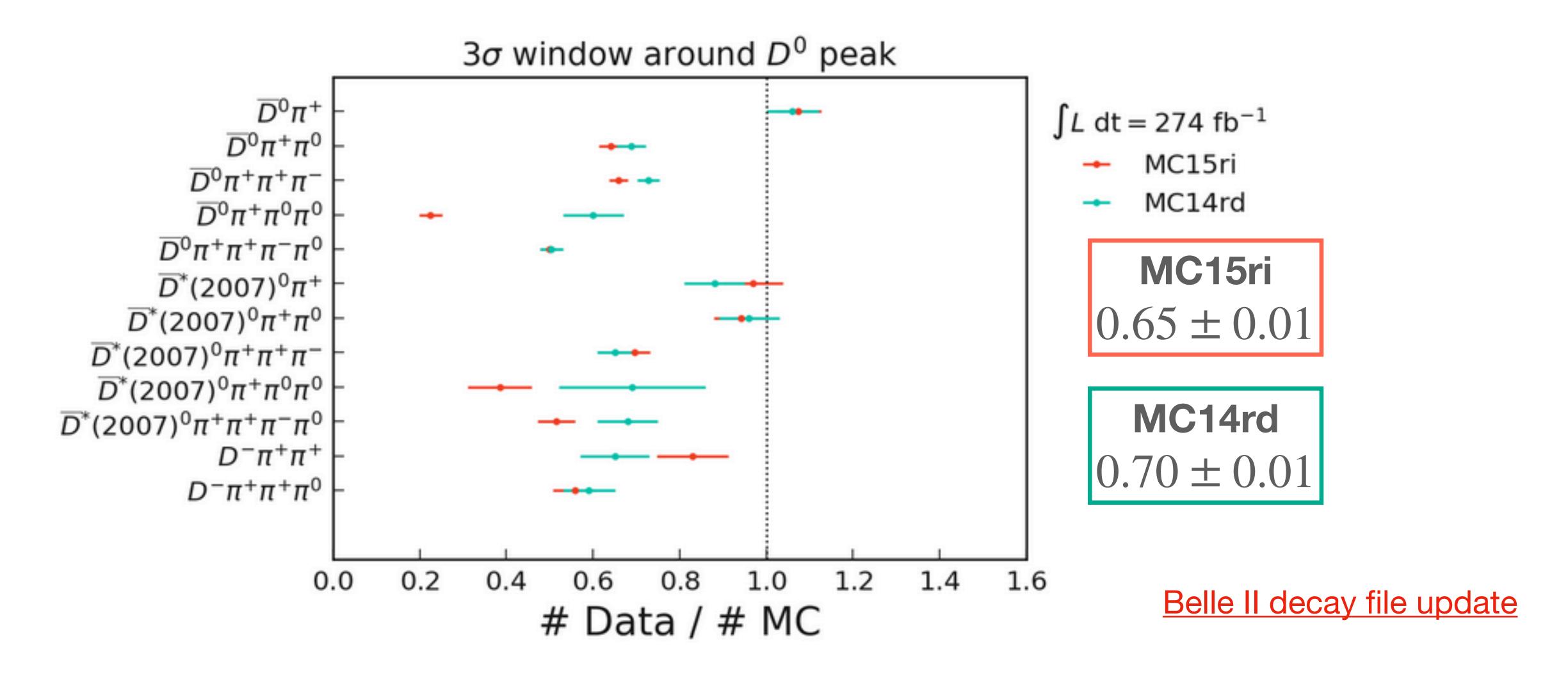


Calibration factors





Calibration factors



Next step: compare PYTHIA contributions and apply the BR corrections to MC15 sample

