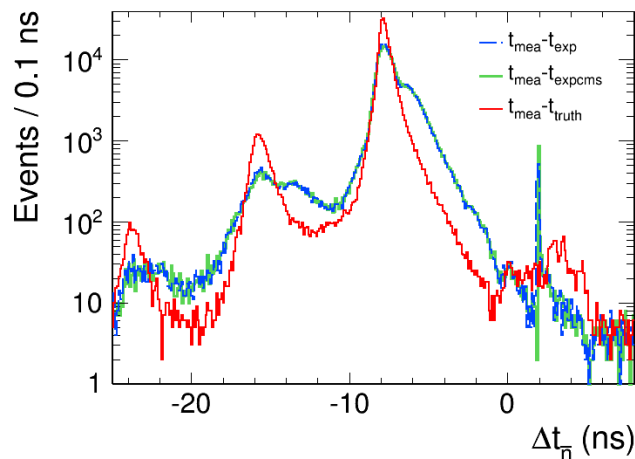
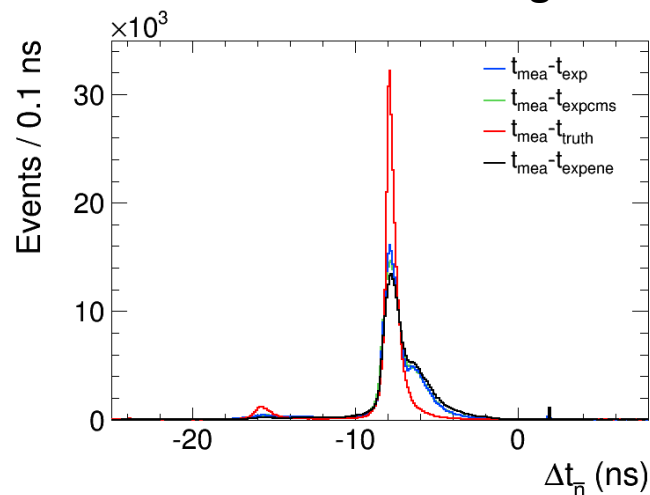
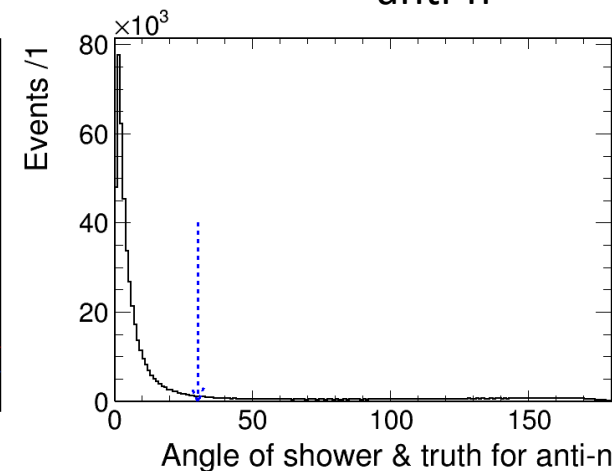


MC study at 2.0000 GeV

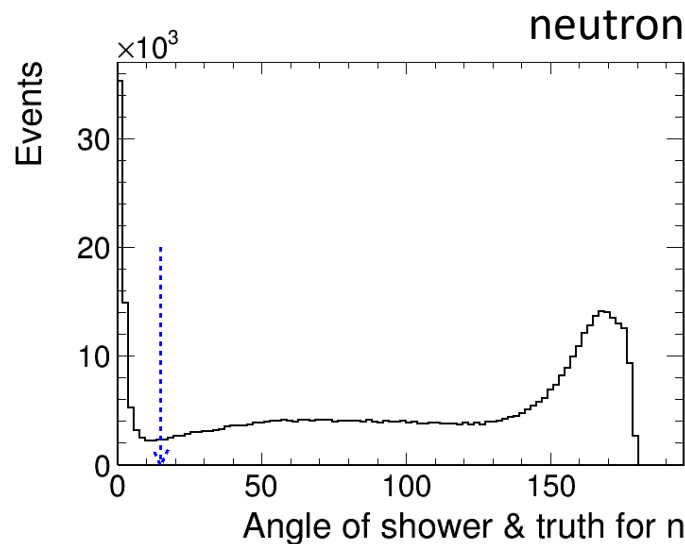
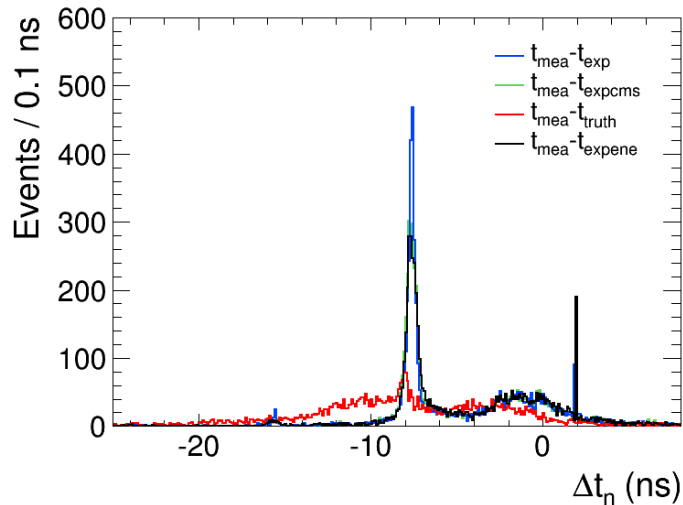
Match with truth: $\text{Ang} < 30^\circ$



anti-n

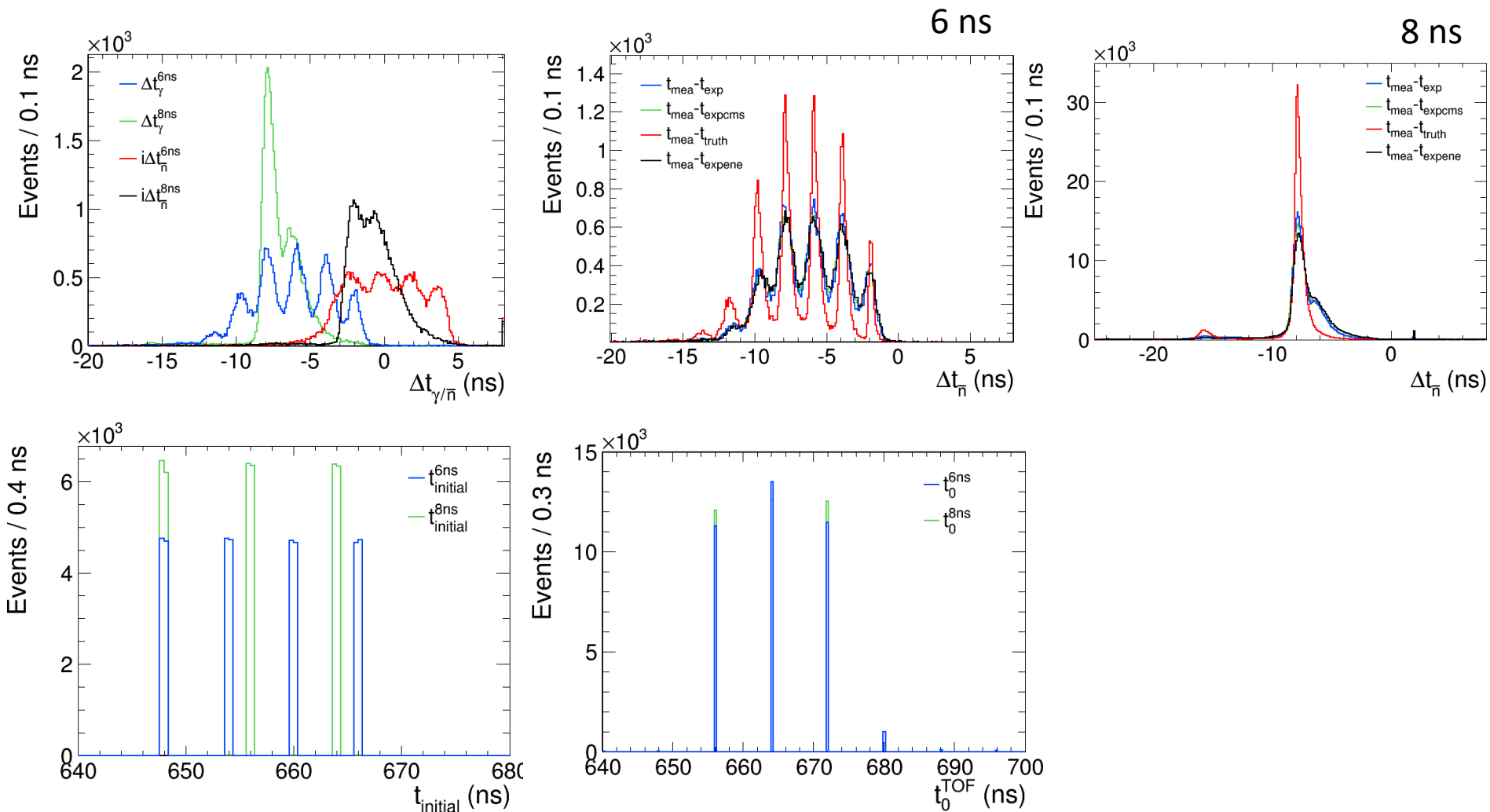


Match with truth: $\text{Ang} < 15^\circ$

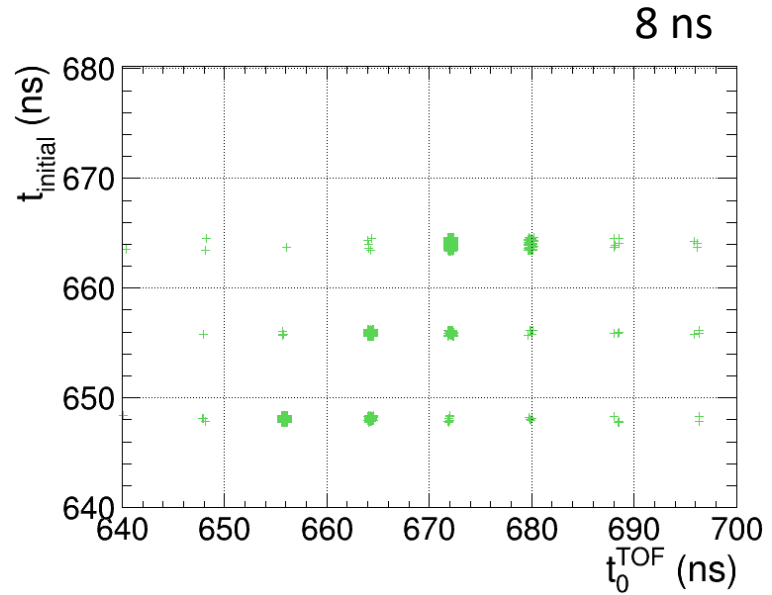
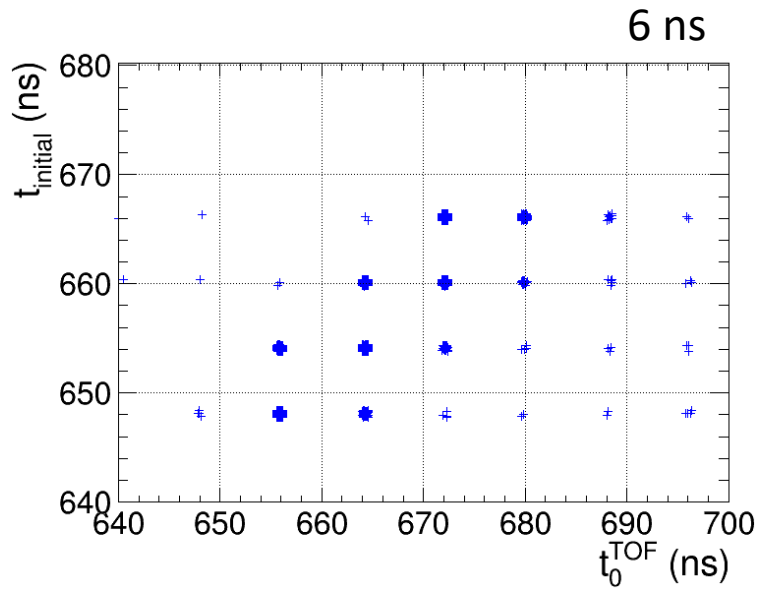


Two MC samples

- BeamDeltaTime = 8ns/6ns
- Nbunch = 3/4



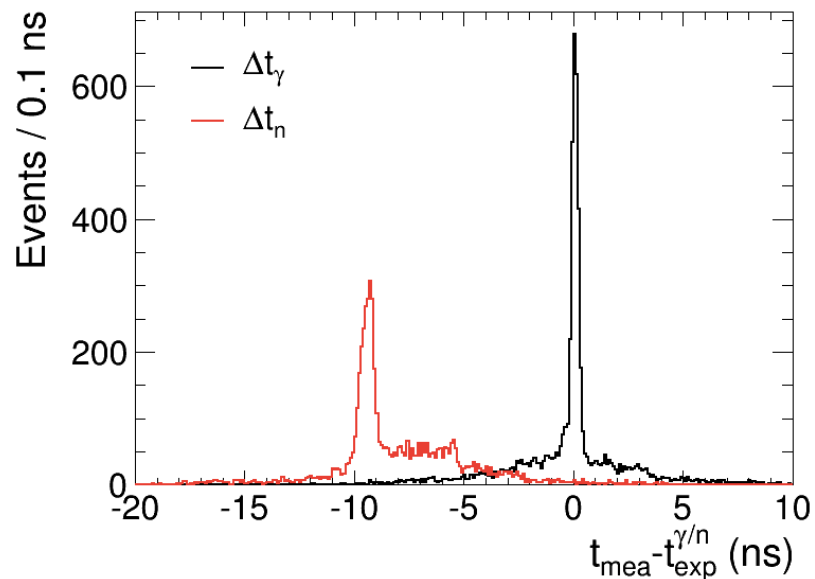
Two MC samples



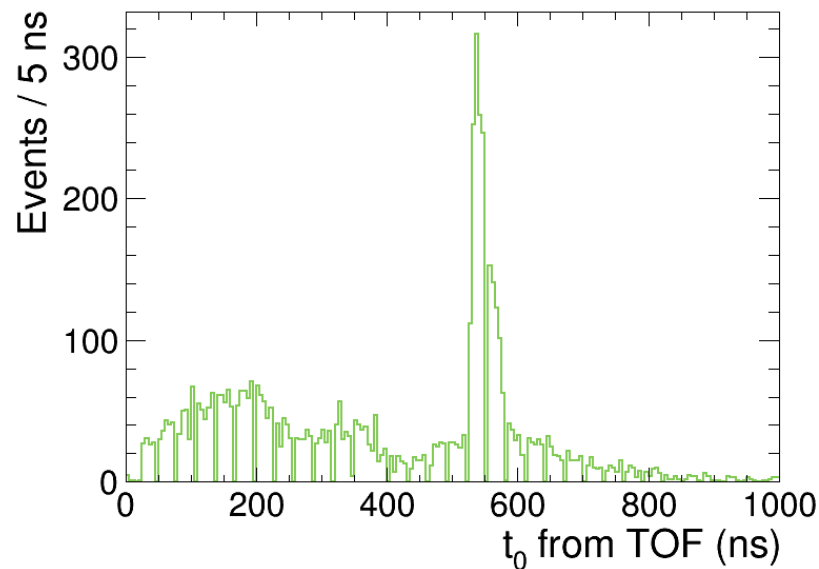
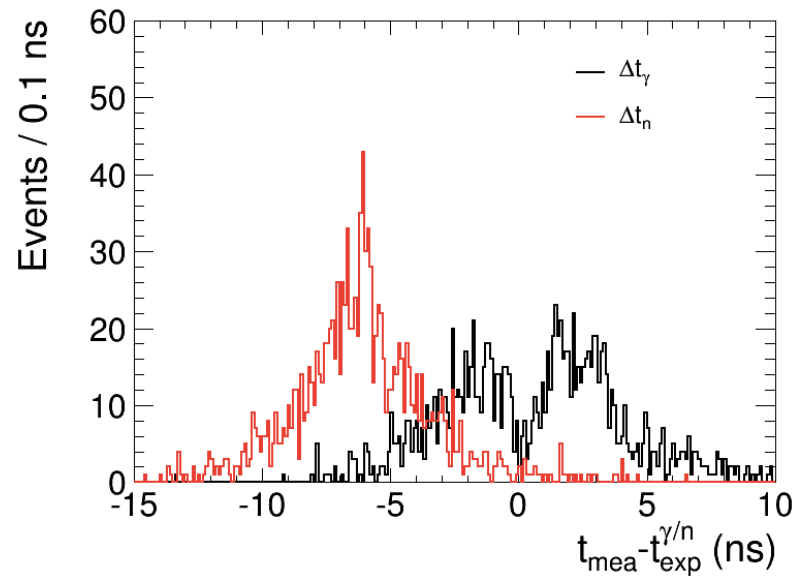
Δt distribution

data at 2.0000

$|\text{cost}_{\text{nbar}}| < 0.93$



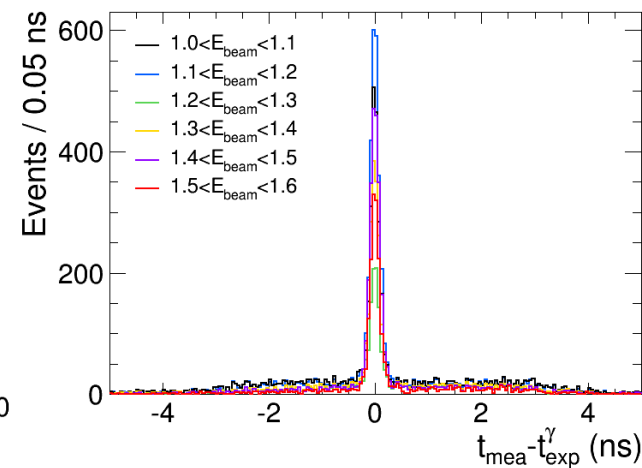
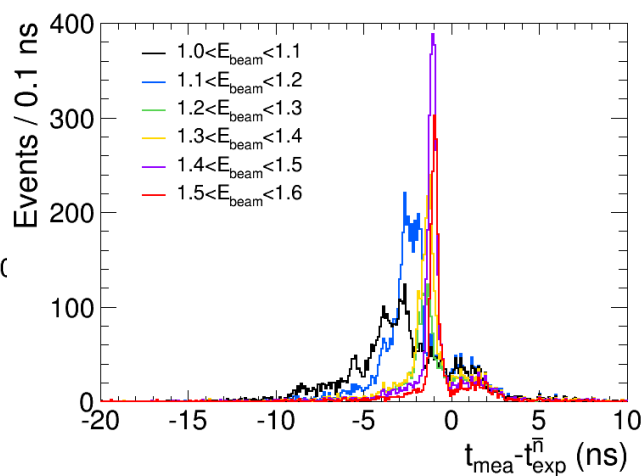
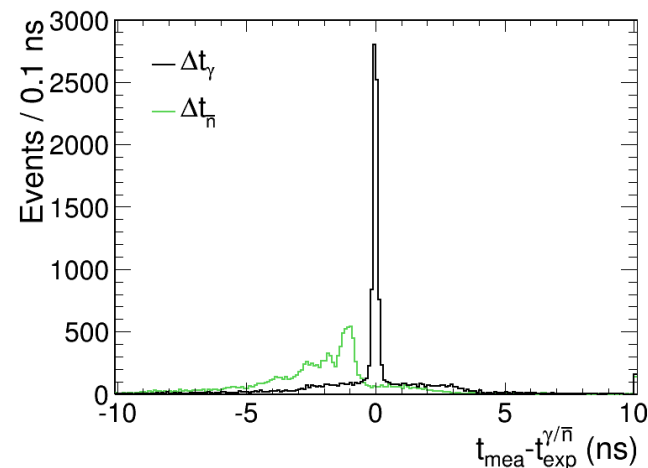
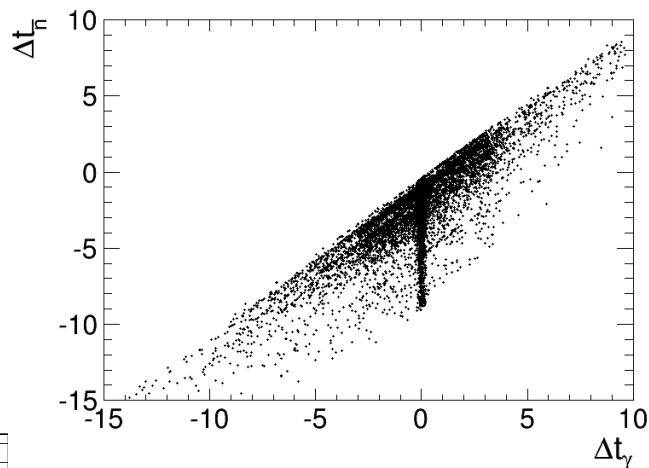
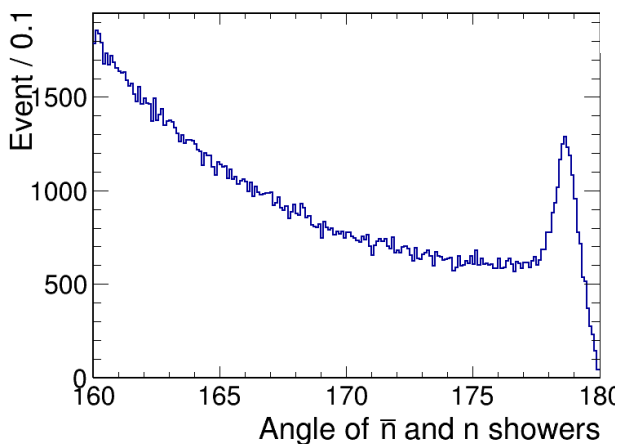
$|\text{cost}_{\text{nbar}}| < 0.8$



Time difference at all energy point

data

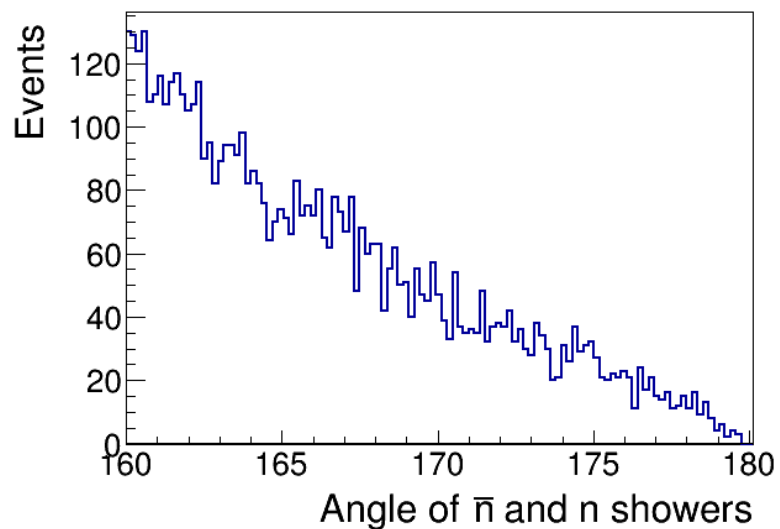
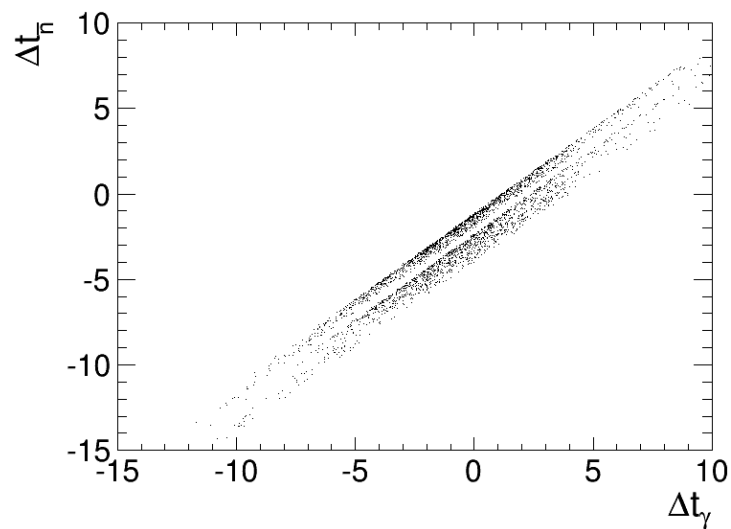
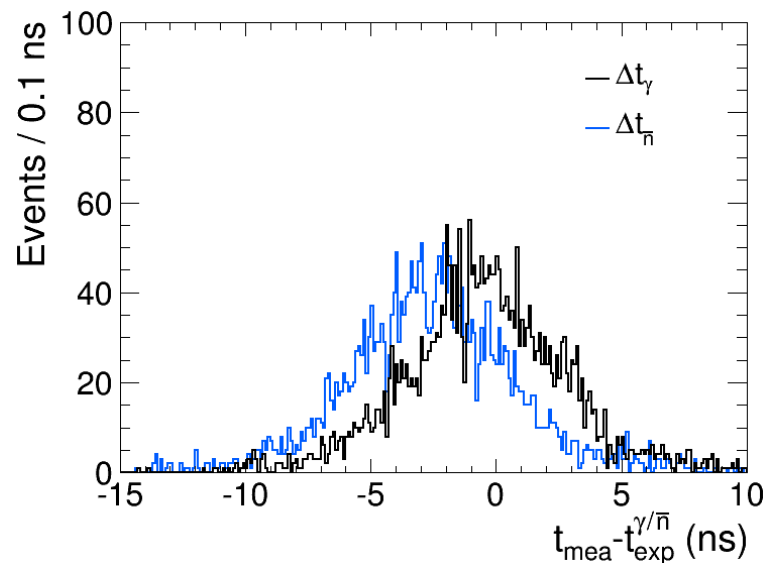
- $|\cos\theta_{n\bar{n}}| < 0.8$
- $E_{\text{emc}}(n\bar{n}) > 0.6 \text{ GeV}$
- $N_{\text{hit}}_{n\bar{n}} > 20$
- $\text{Ang}_{n\bar{n}} > 175$



Time difference

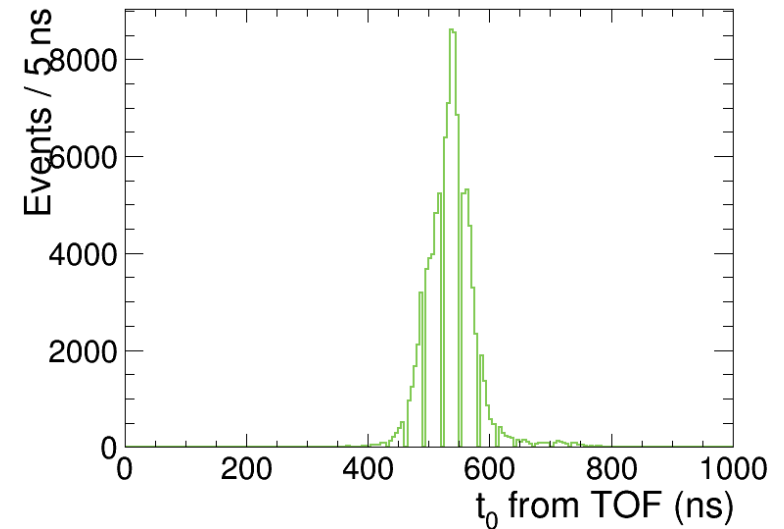
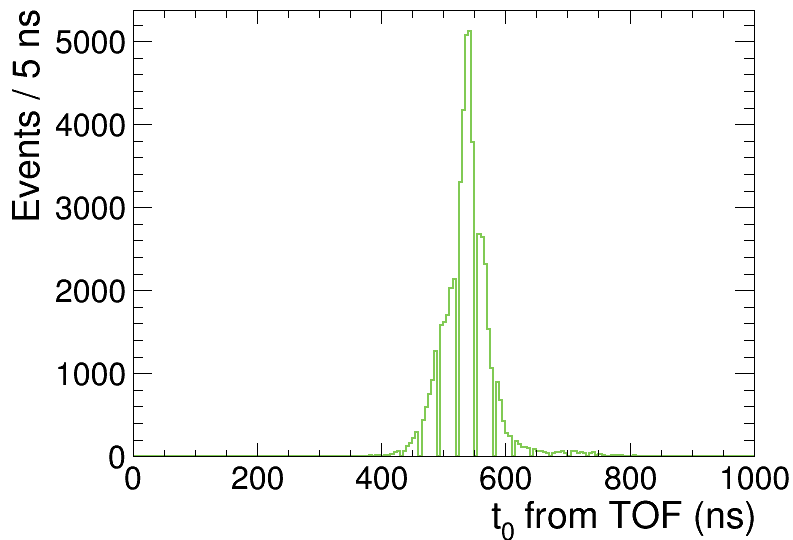
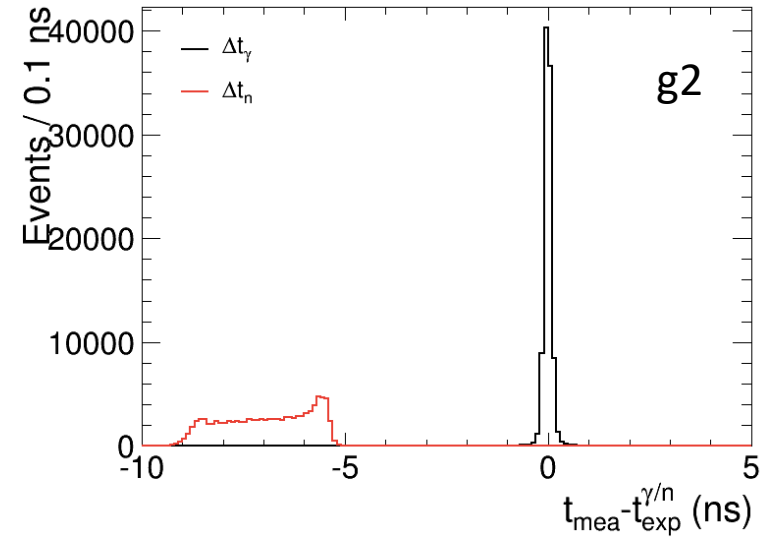
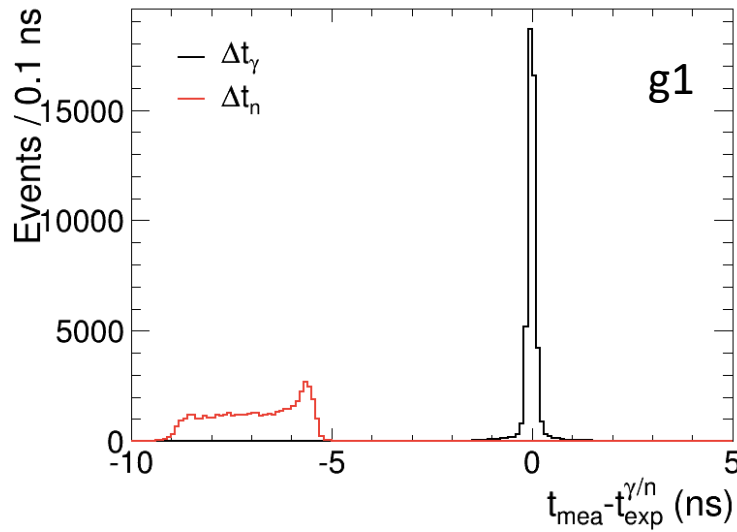
Beam
background

$\text{Angle}_{\text{nnb}} > 160$



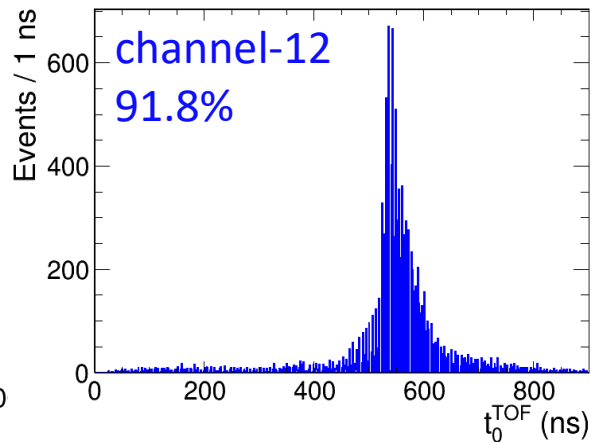
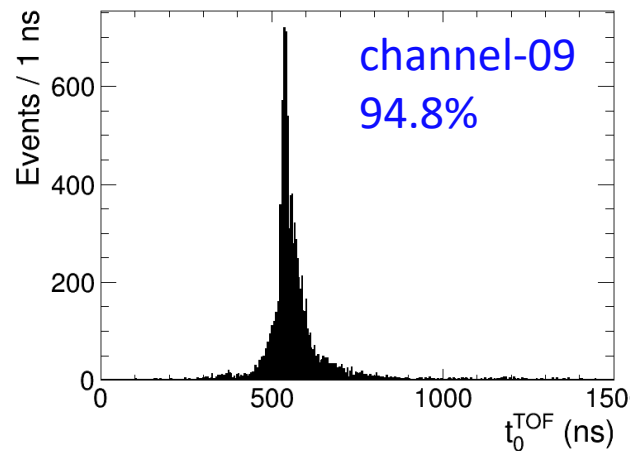
Δt distribution

- digam sample

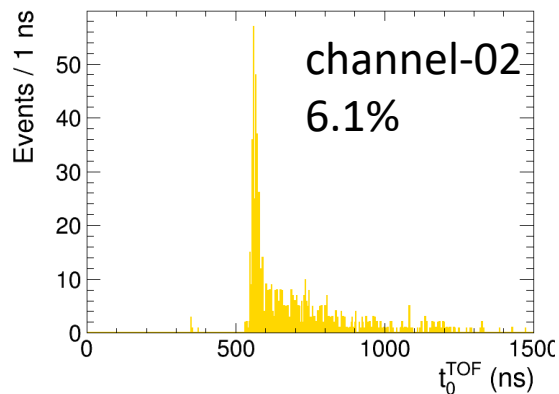
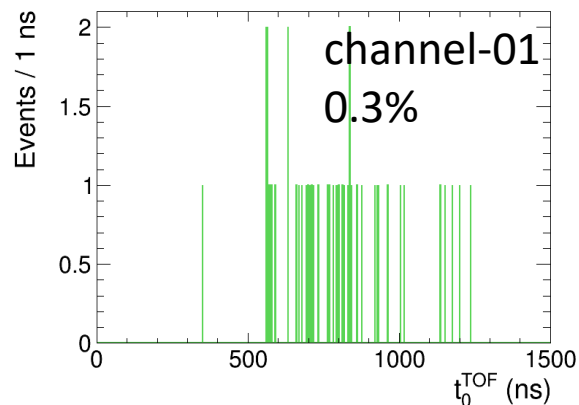


Trigger channel

data



neutral



charged

