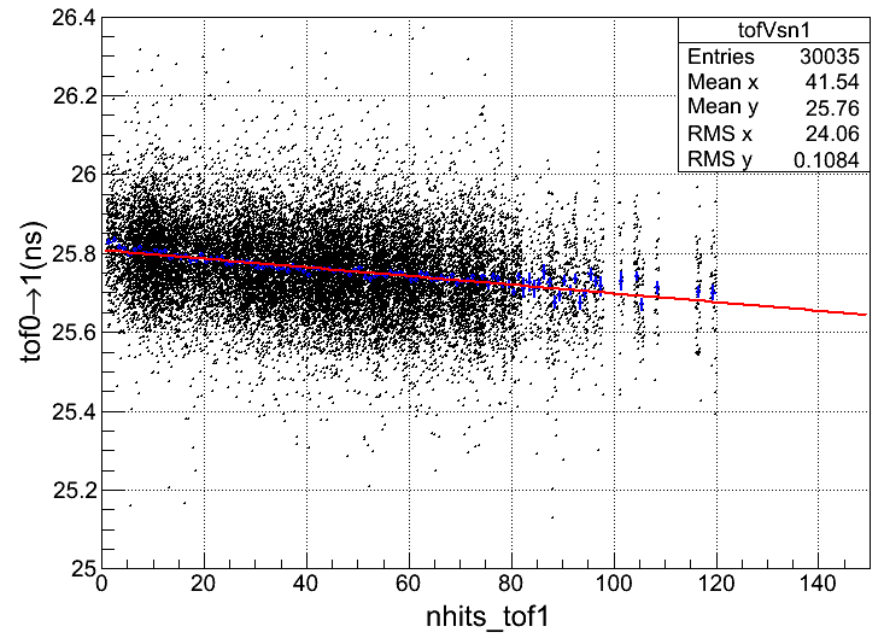
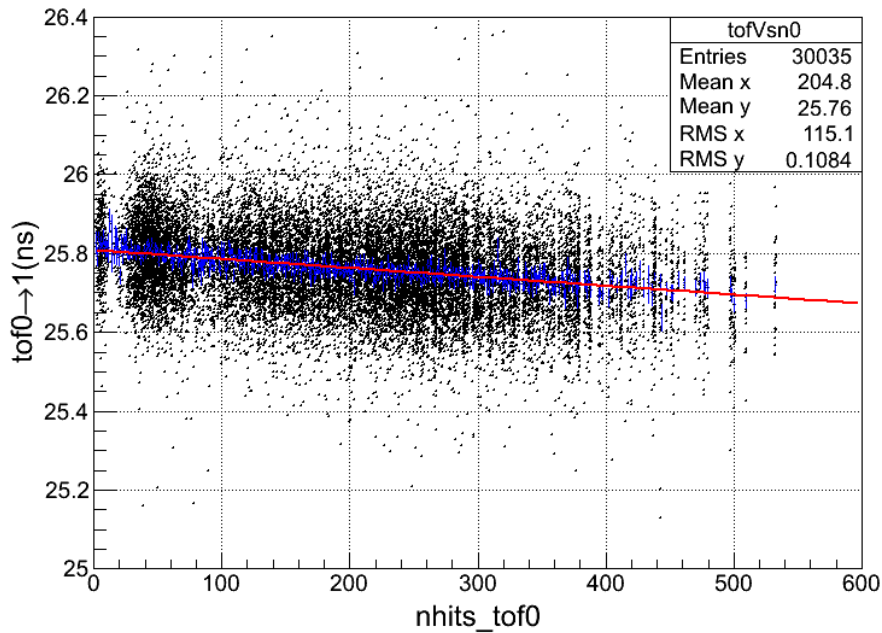
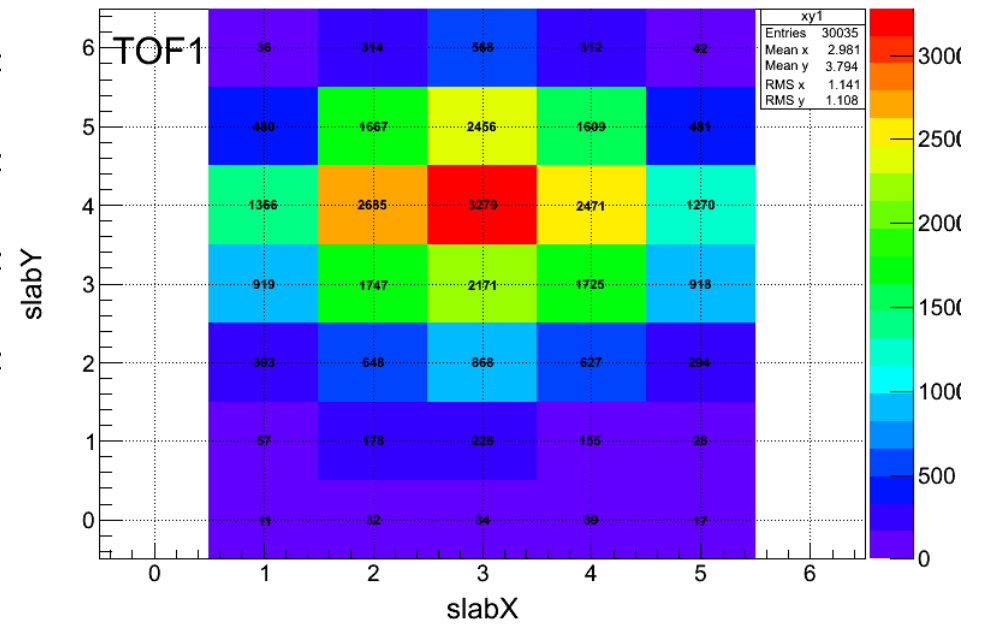
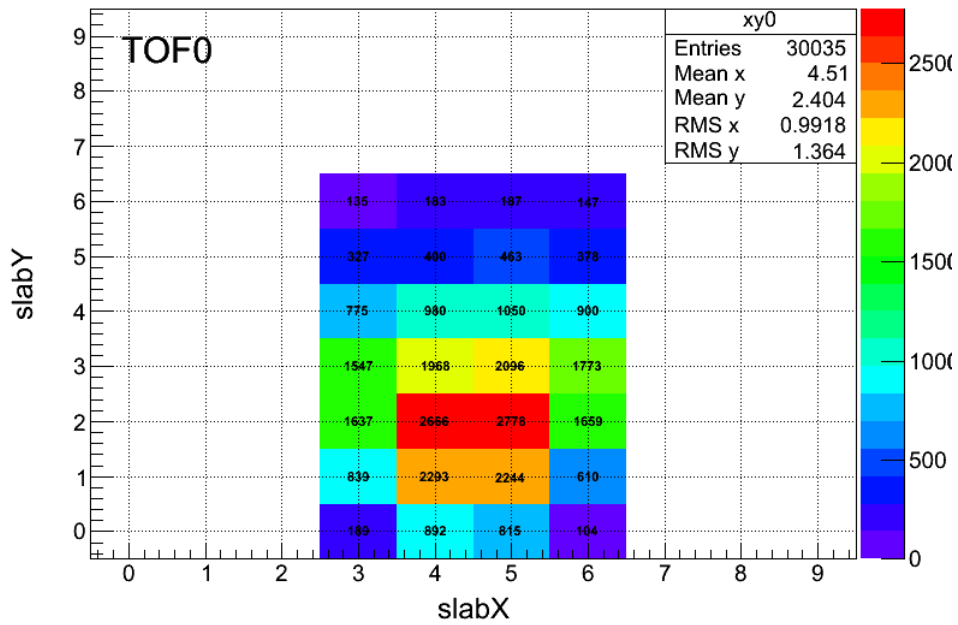


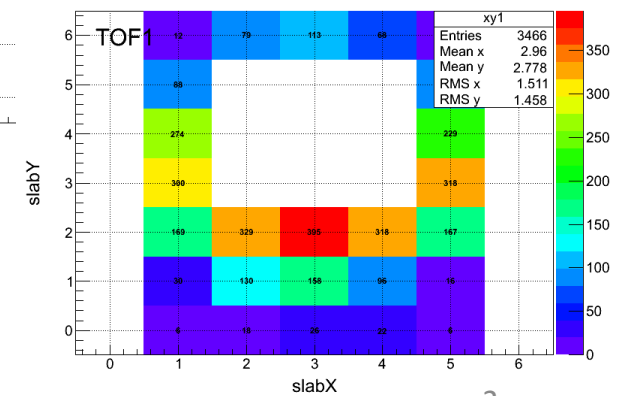
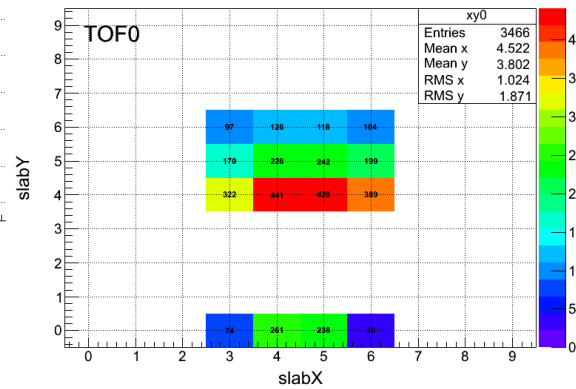
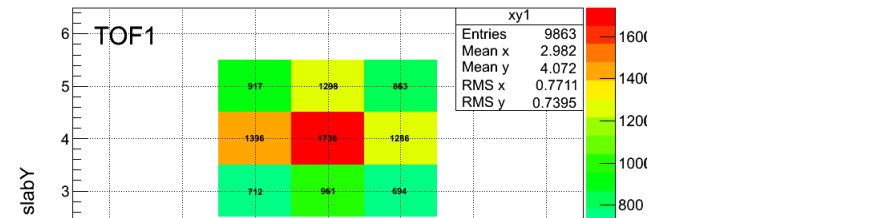
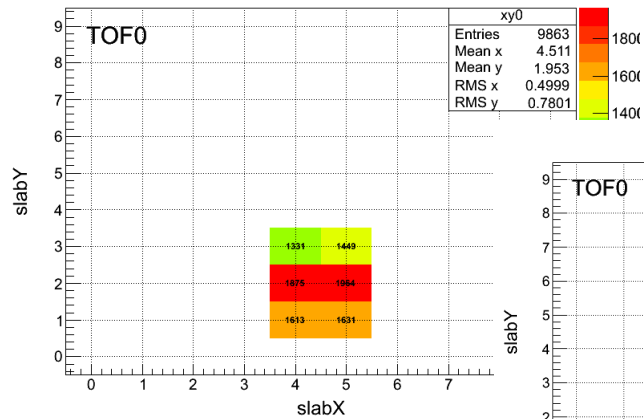
TOF rate-effect

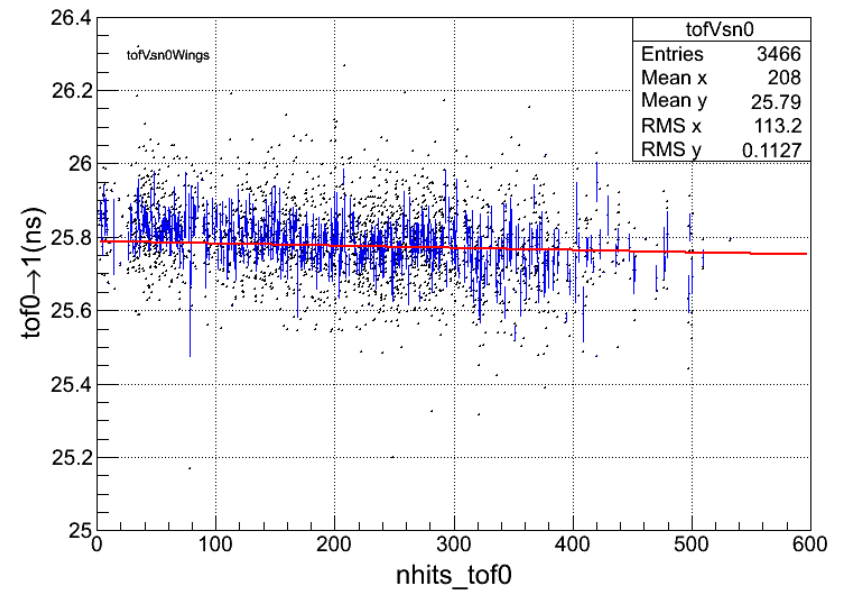
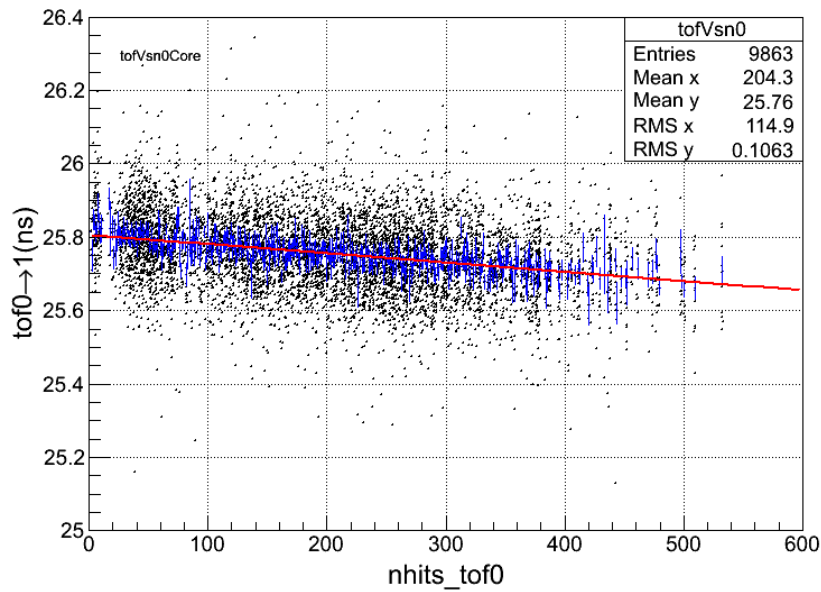


- Run# 3492
 - pi+, 148 MeV/c at D2, trigger rate between 1 and 70; Rate effect study; Decay Solenoid is ON. ~4100 target pulses
- Maurizio suspects the effect has to do with beam backgrounds rather than hardware. He suggested studying the effect in the central vs. outer region of the detector.

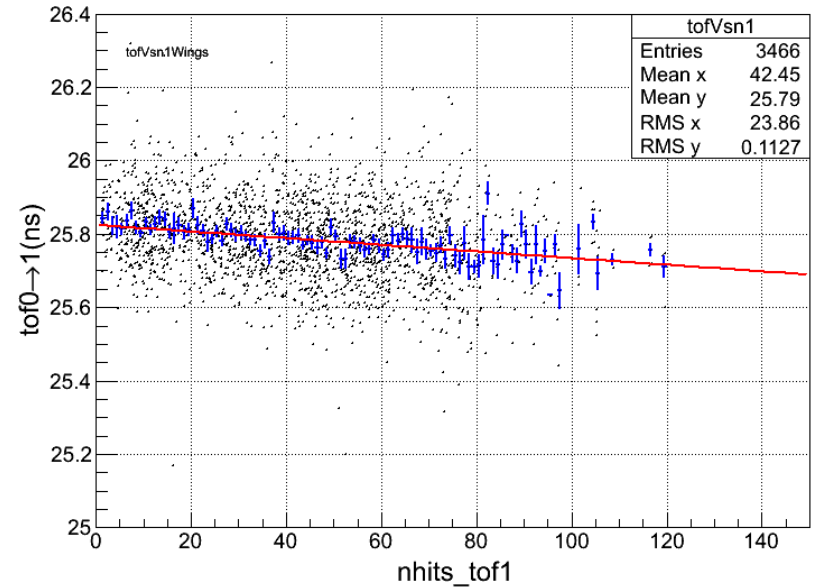
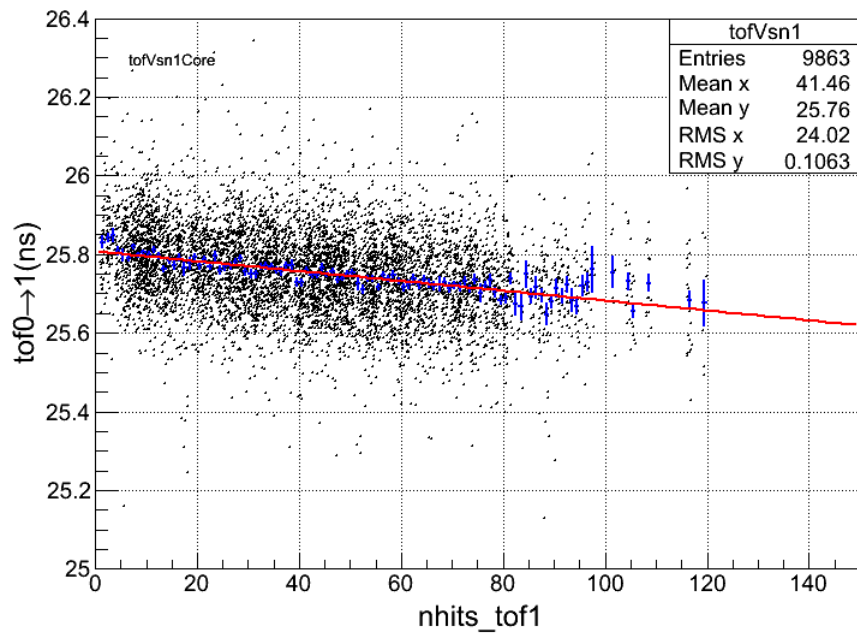


- Selected 2 different regions: "core" & "wings"

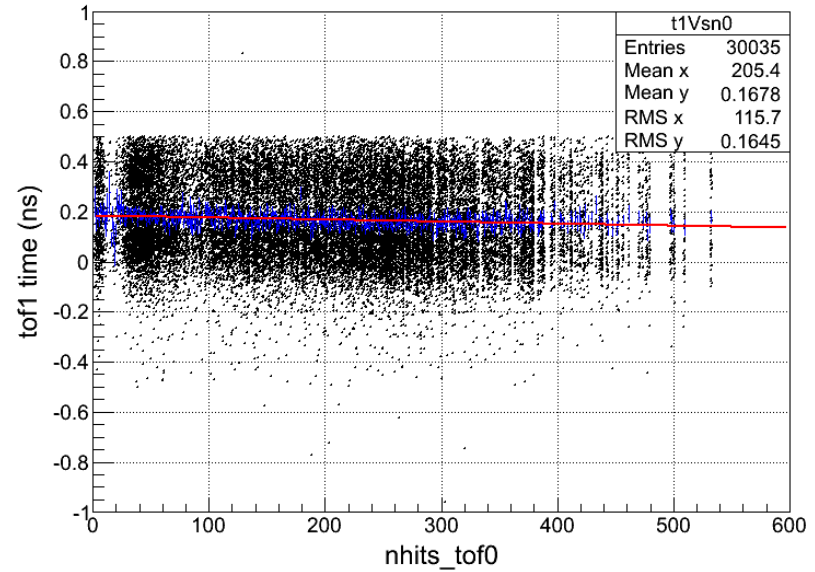
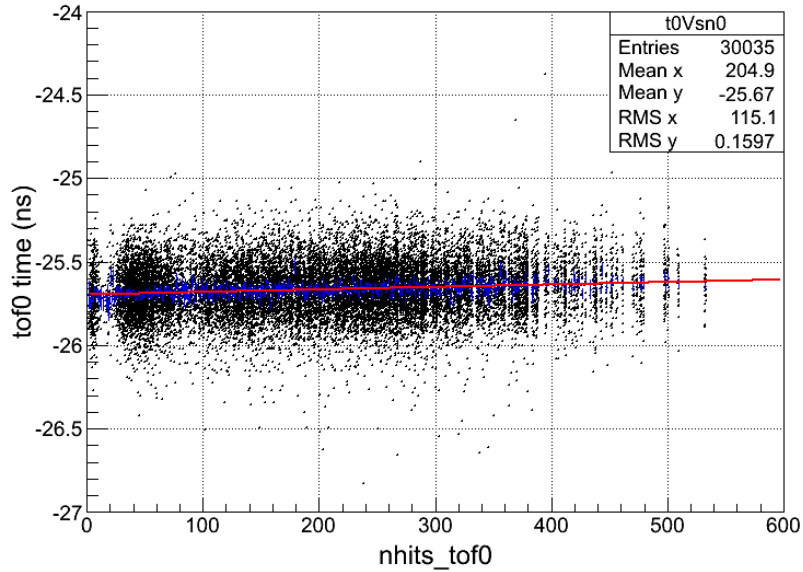




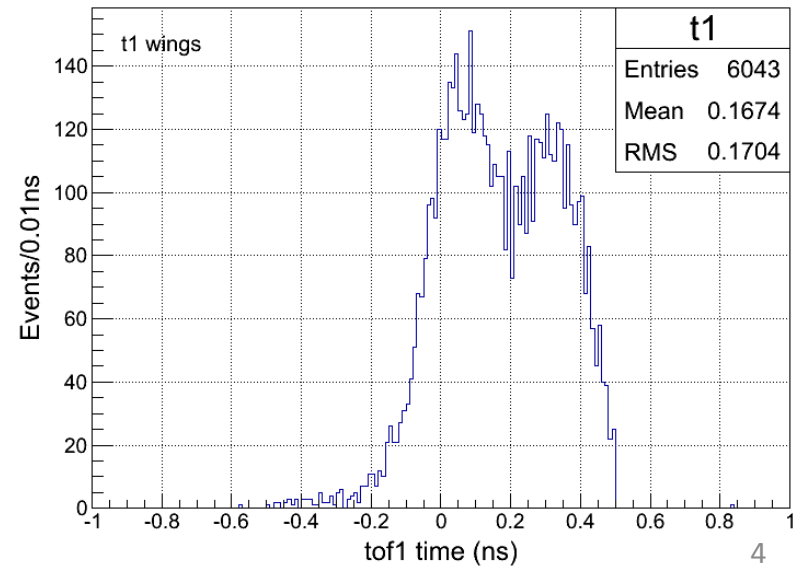
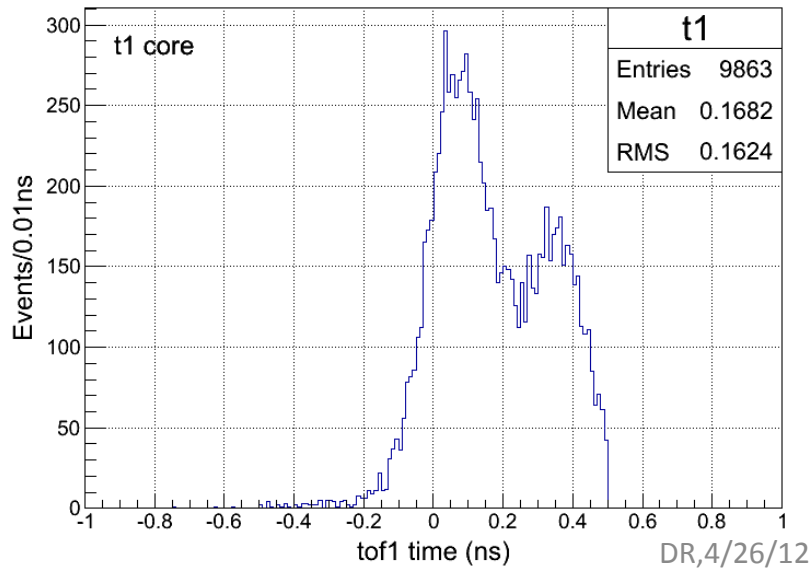
- the dependence on rate seems to be there in both the core (left) & wings (right)



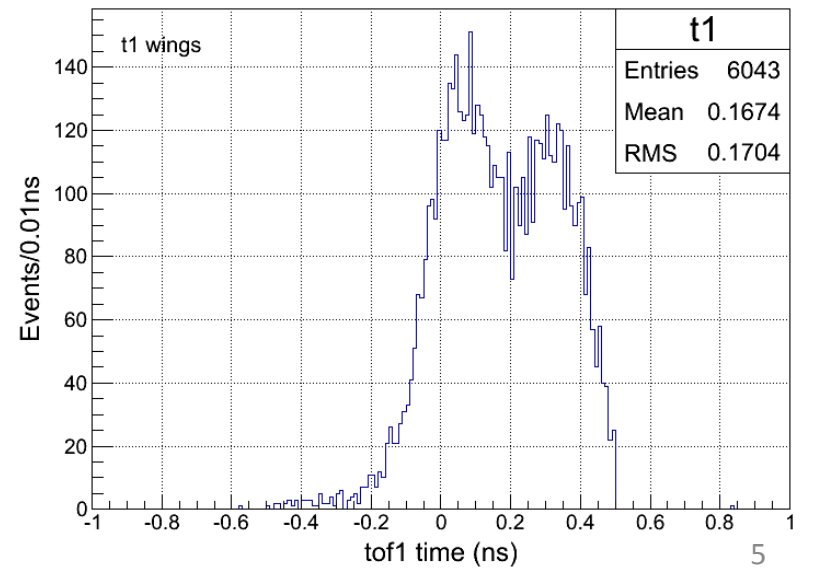
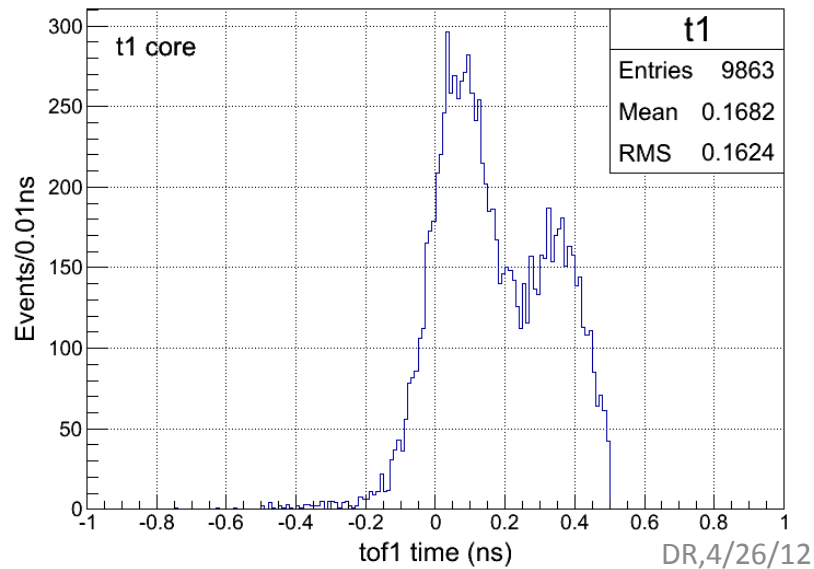
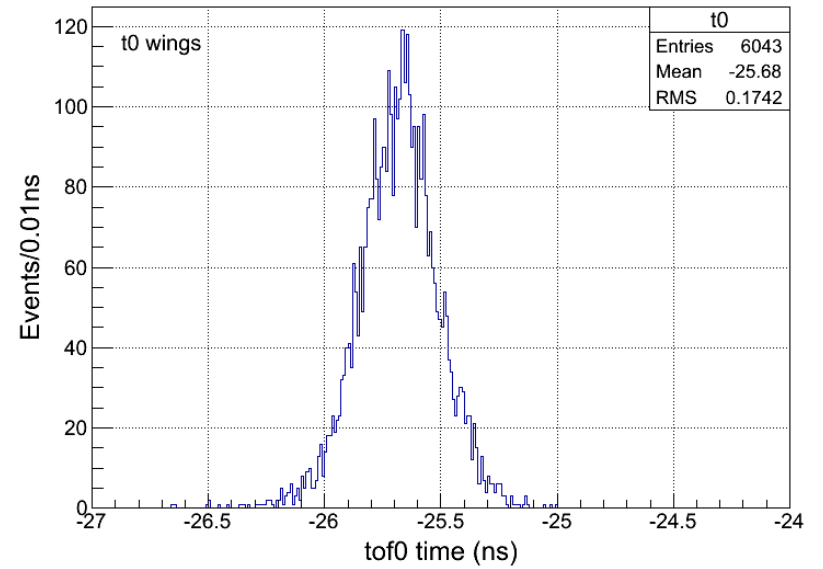
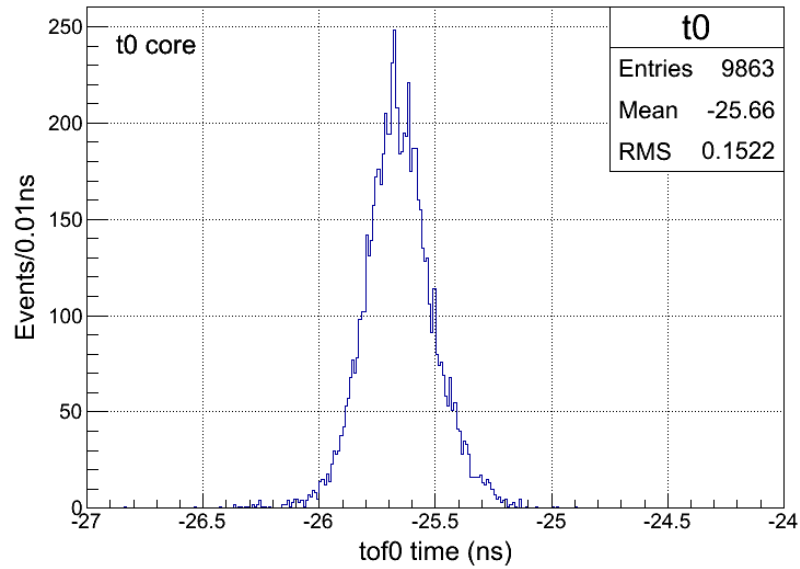
- Can we learn anything by looking at the times @ TOF0 & TOF1 as a function of rate?



- There appear to be 2 bands in the TOF1 time distribution?



- TOF0 & TOF1 times in the core & wings



- Just started looking into John Cobb's suggestion: look at the first event in the spill...

