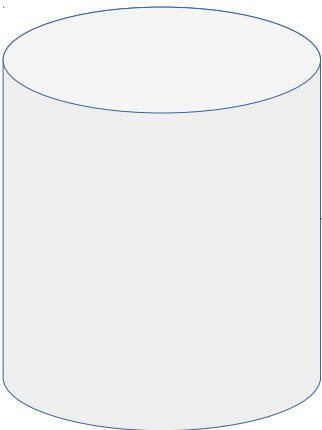


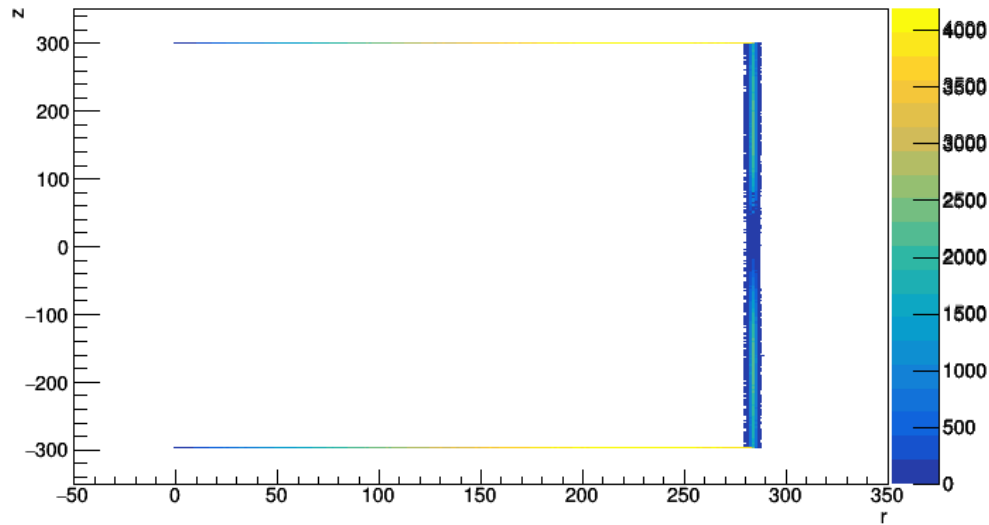
# Determination of annihilation position

- thermal motion of Hbar ion plasma
    - +laser momentum(x-axis)
    - +positron detachment momentum(random direction)
    - +parabolic motion under gravity
- If Hbar(pbar) hits the chamber wall,  
the position of hit becomes the annihilation position.

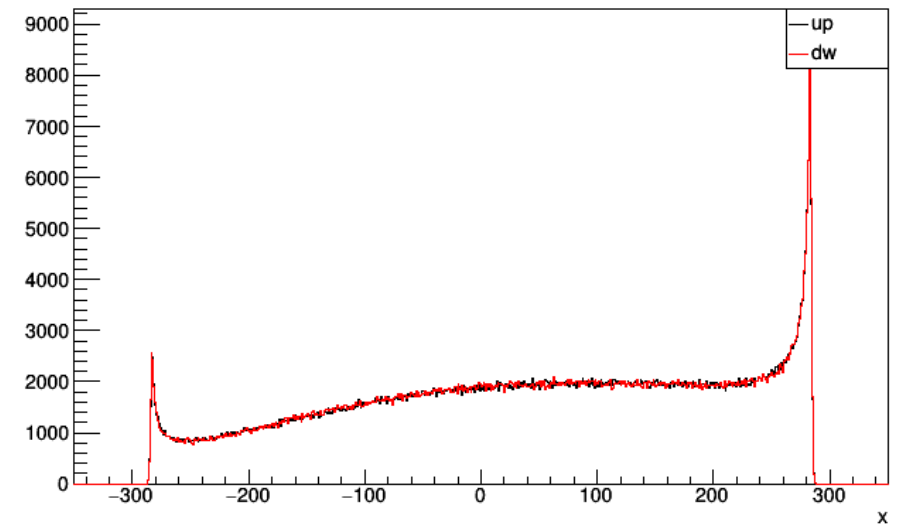


# Annihilation position

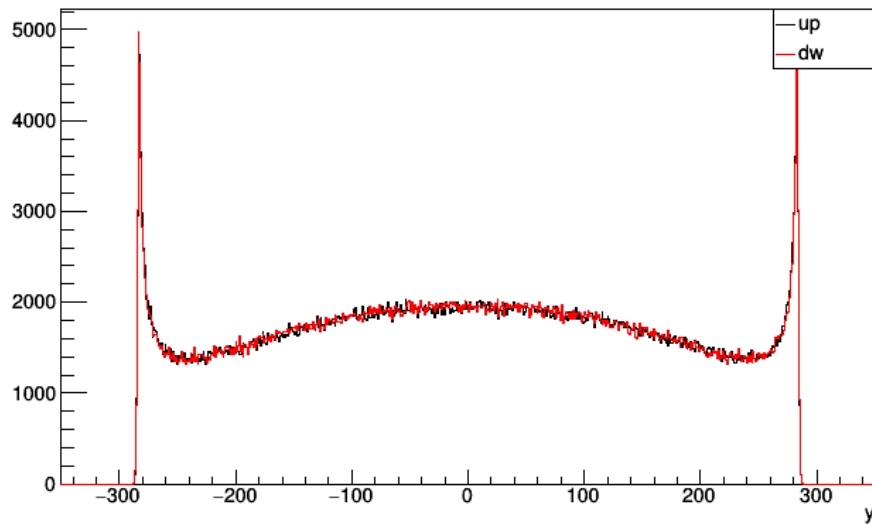
r versus z



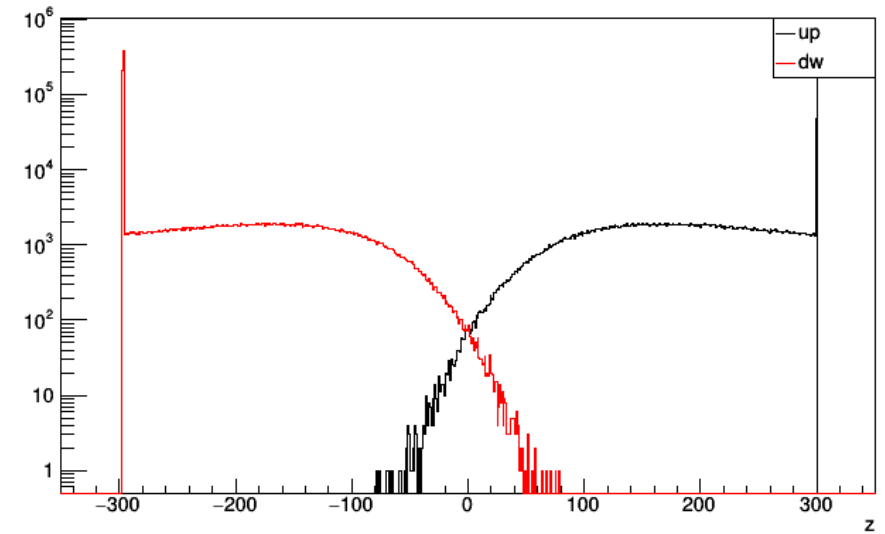
Annihilation Position:x axis



Annihilation Position:y axis

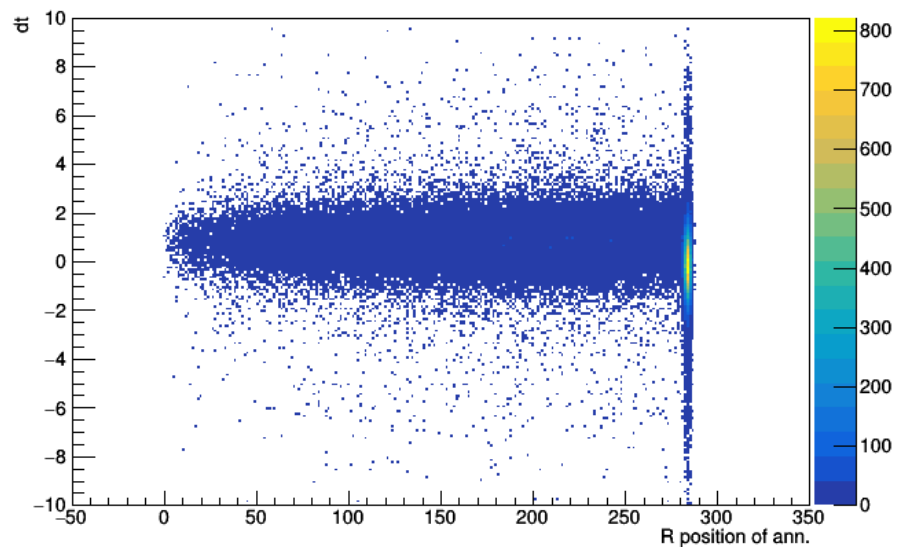


Annihilation Position:z axis

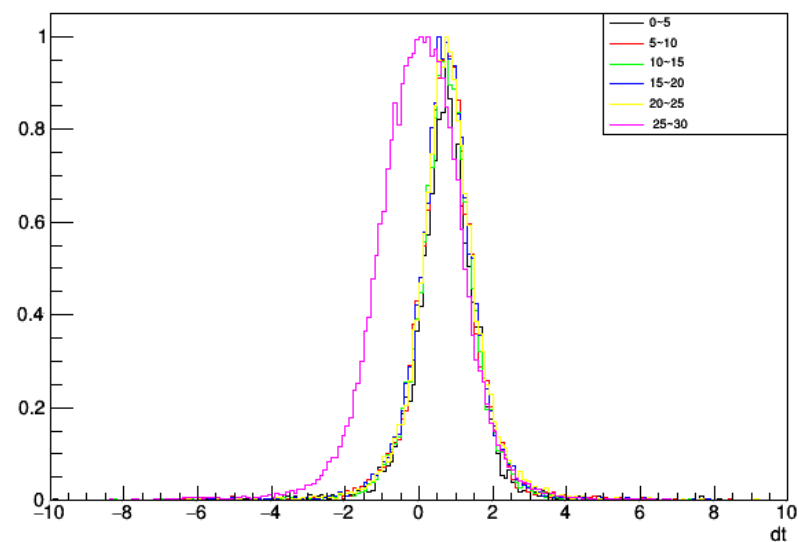


# dt

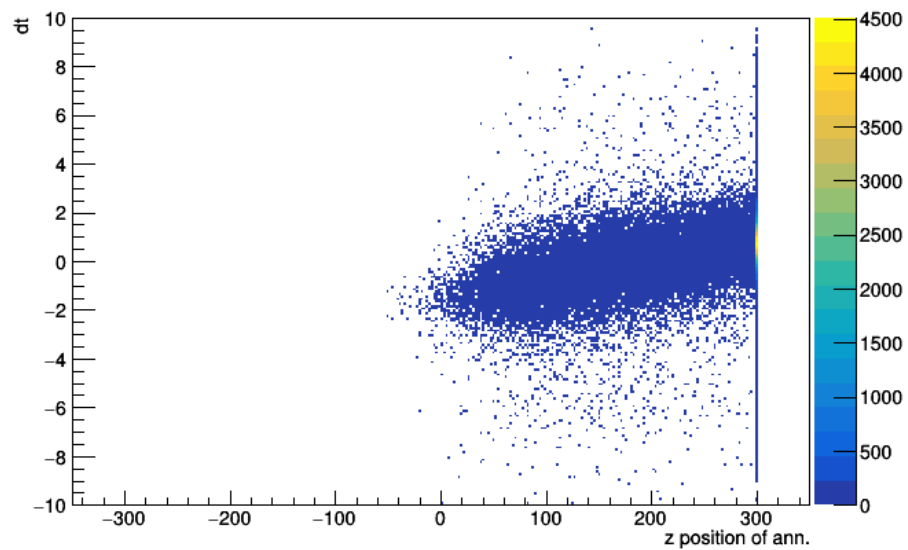
R vs dt



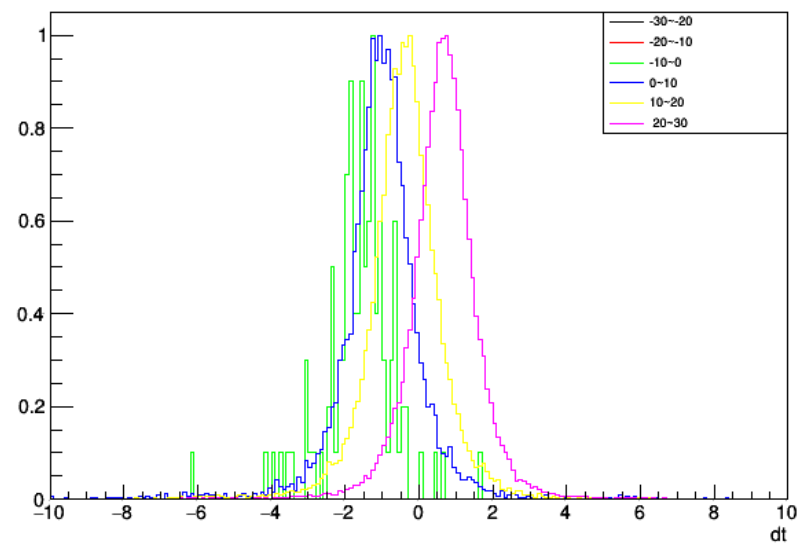
dt with different range of R position of ann.



Z vs dt

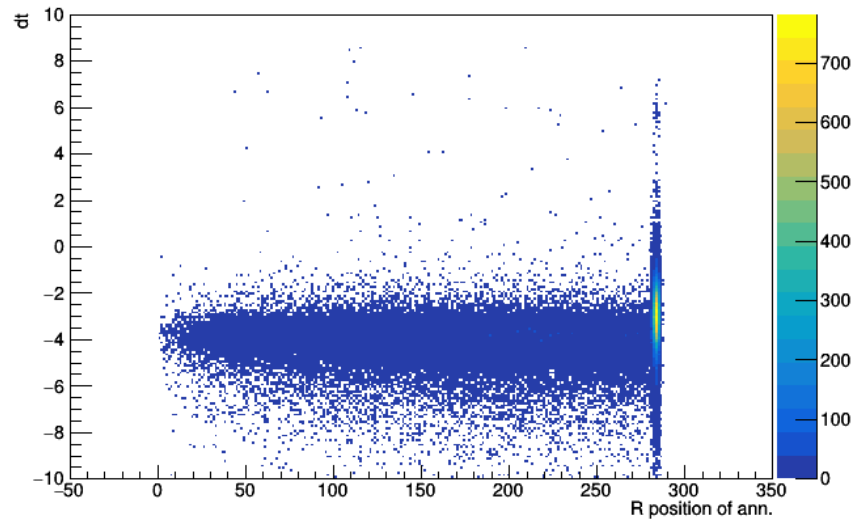


dt with different range of z position of ann.

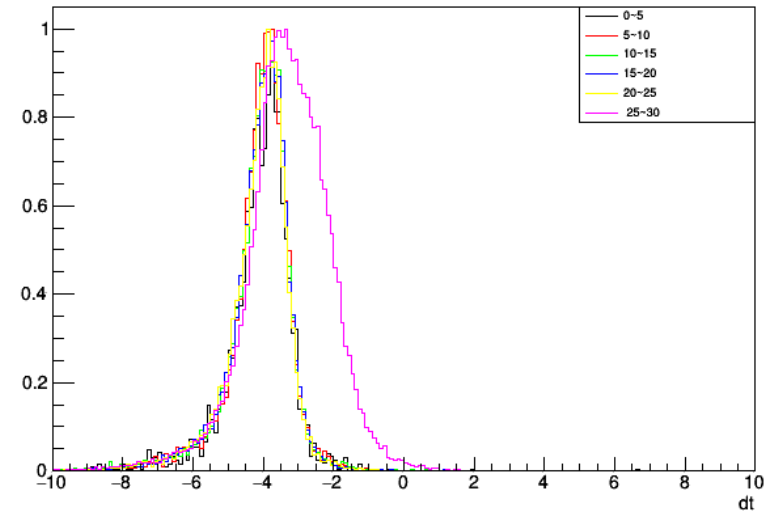


# dt

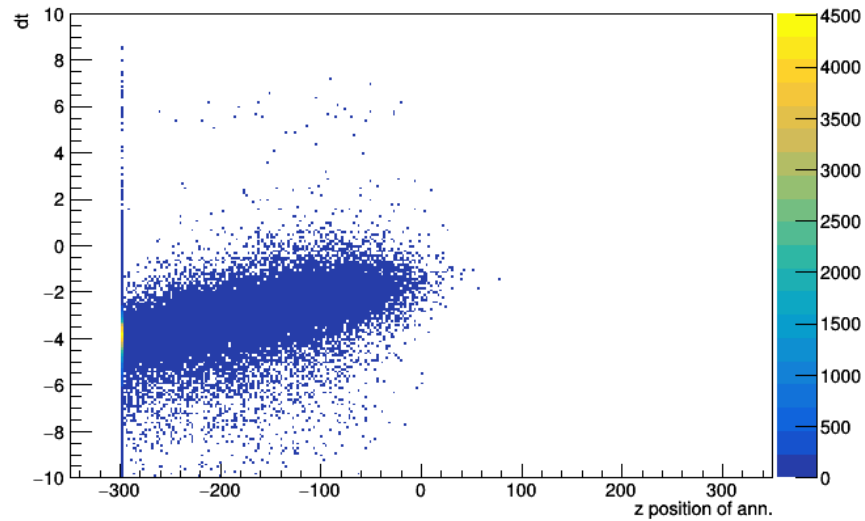
R vs dt



dt with different range of R position of ann.



Z vs dt



dt with different range of z position of ann.

