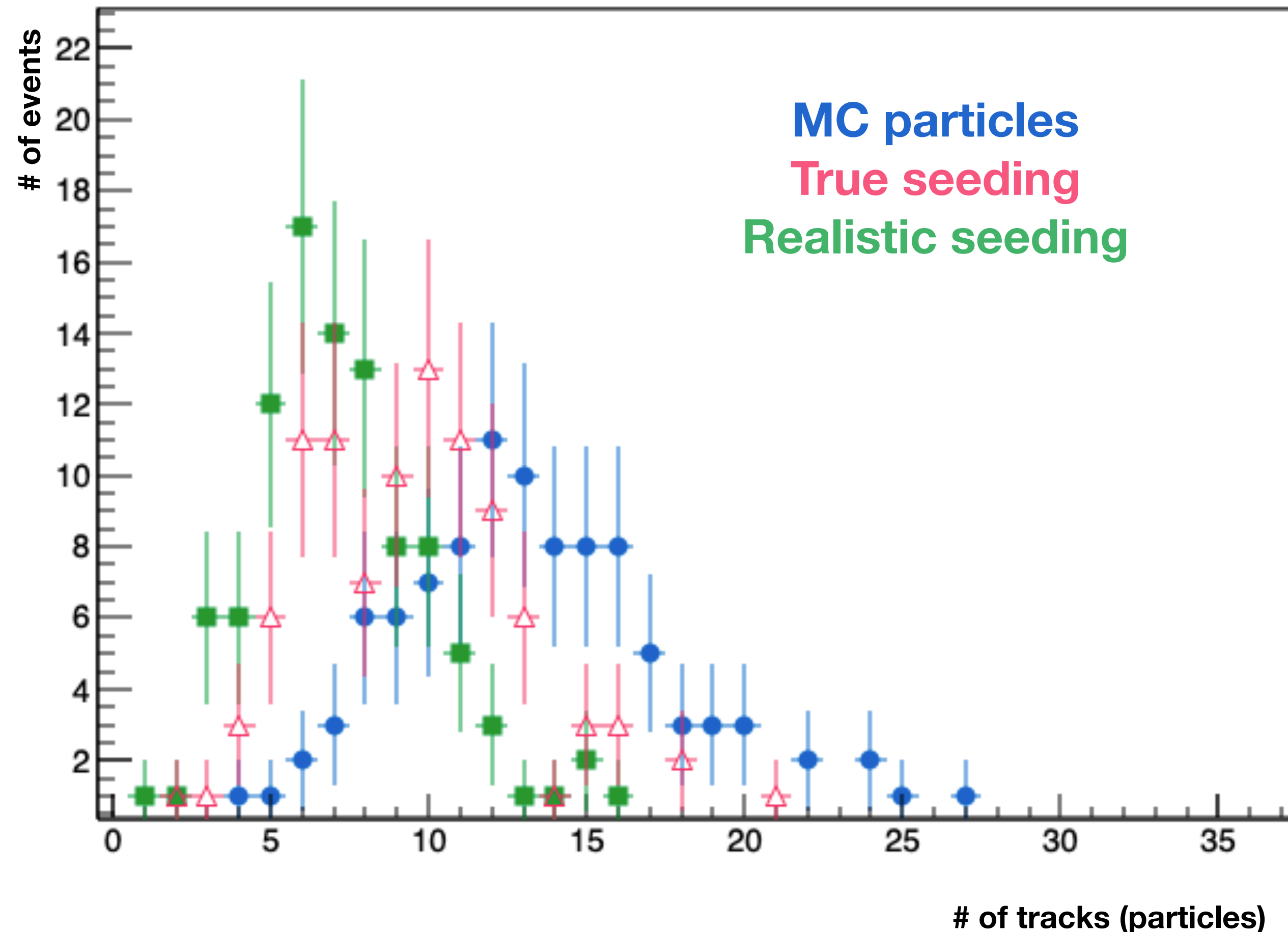


Updates on ePIC tracking and DPTS

Berkeley EIC meeting
19. Dec. 2023

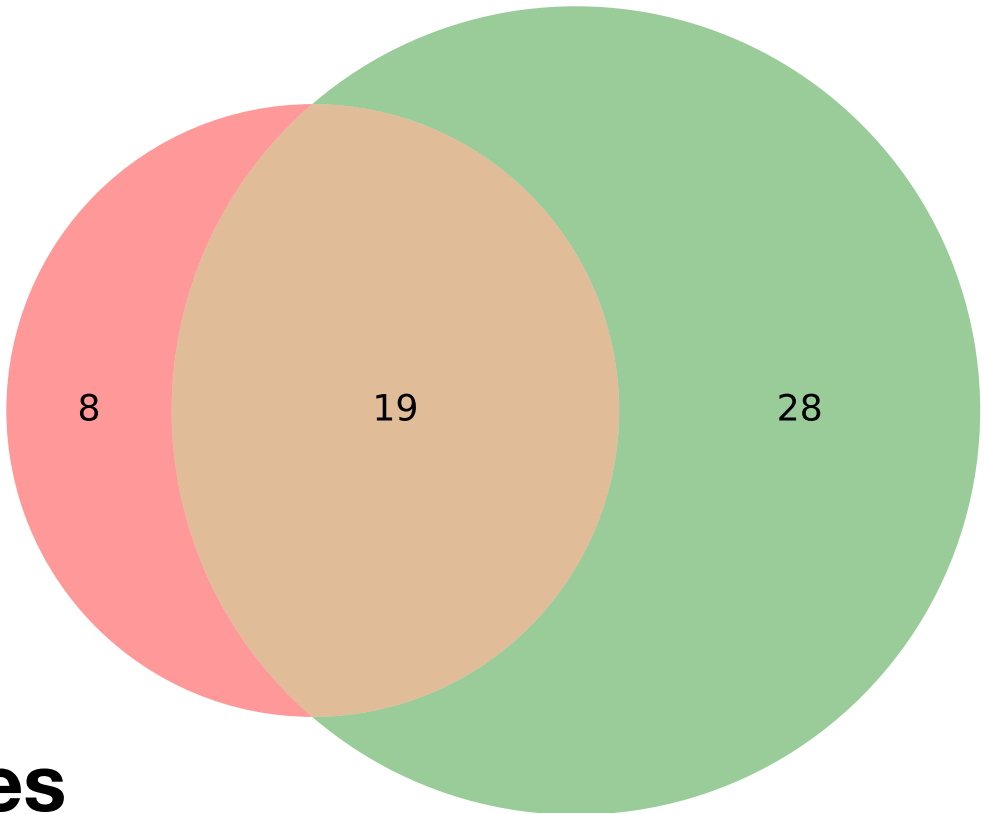
Minjung Kim

Reminder: tracking in DLS events



- Discrepancy of number of tracks (particles) between MC truth and reco.:
 - Neutral particles
 - Particles outside the acceptance
 -
- ➡ Number of “trackable” particles in MC should be defined!

Current status



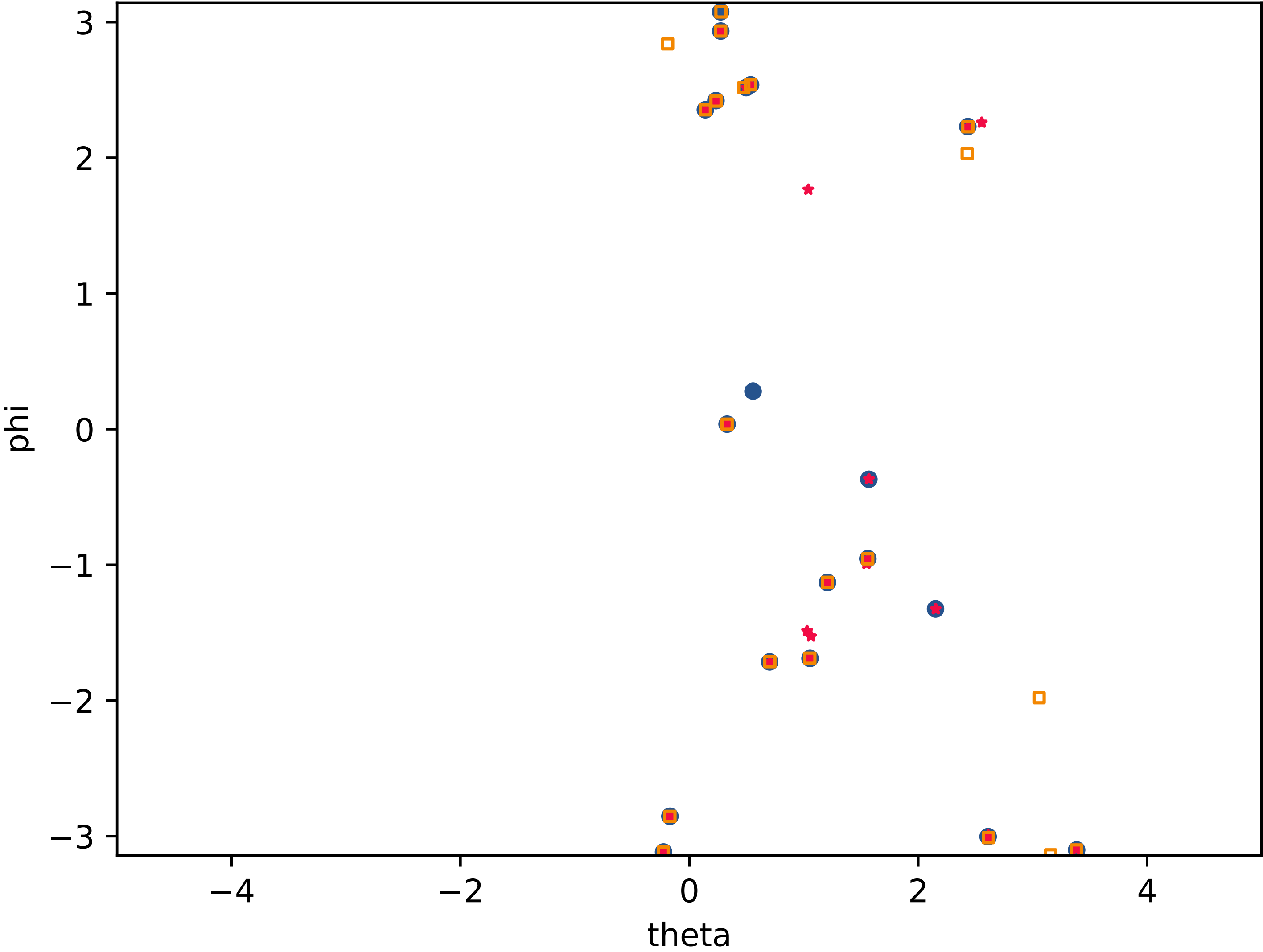
**MC particles
generating at least
3 hits on trackers**

**Final stable particles
created by PYTHIA**

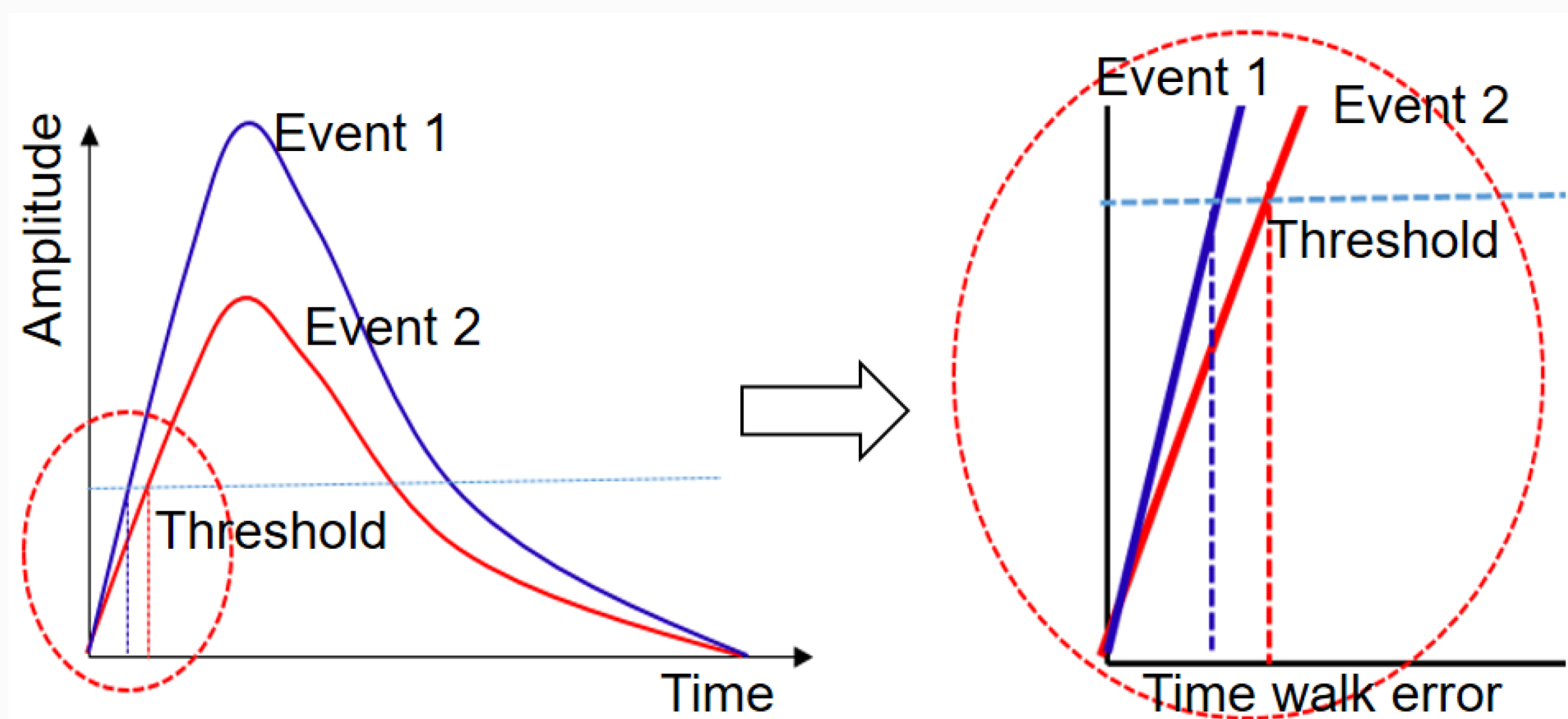
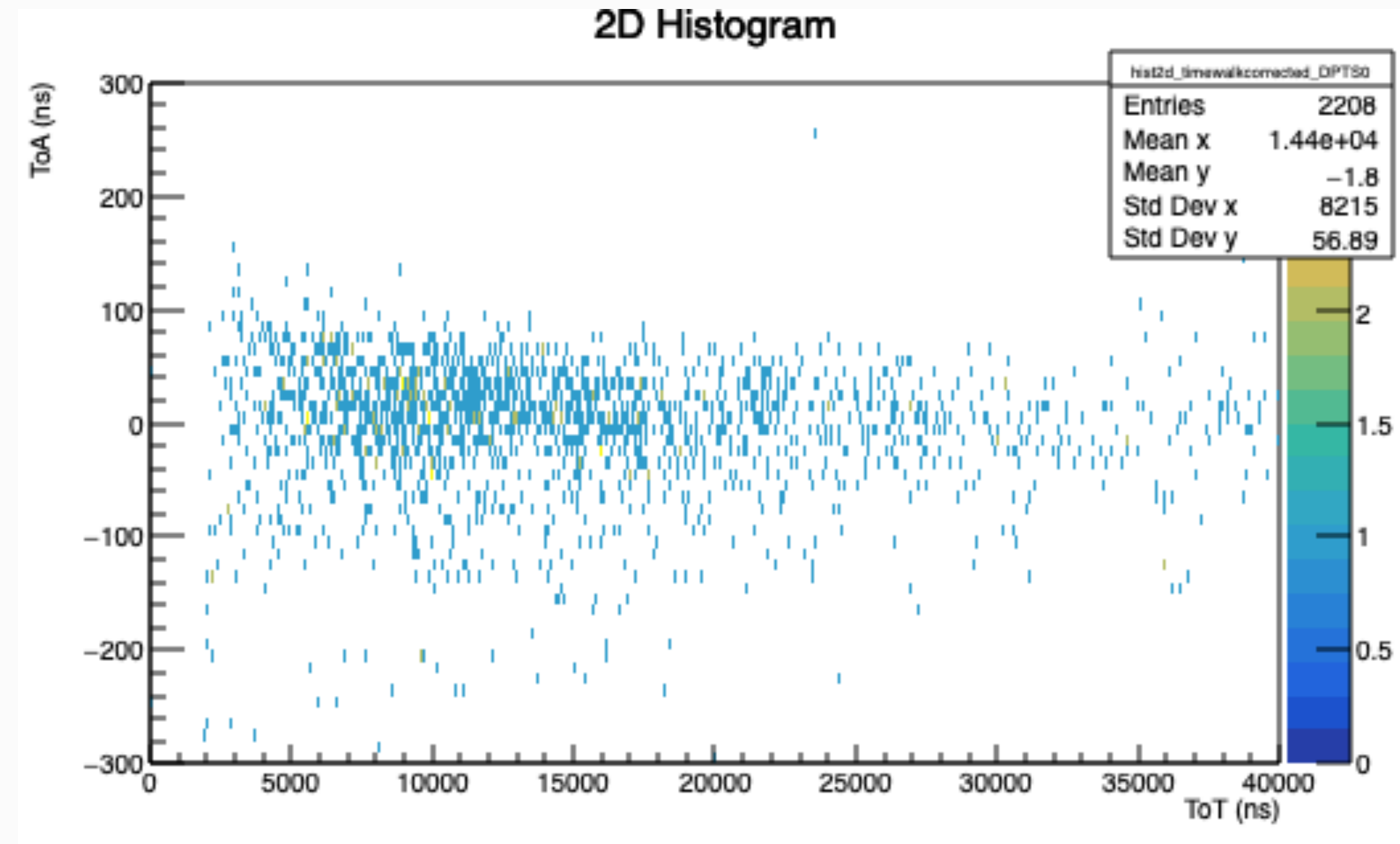
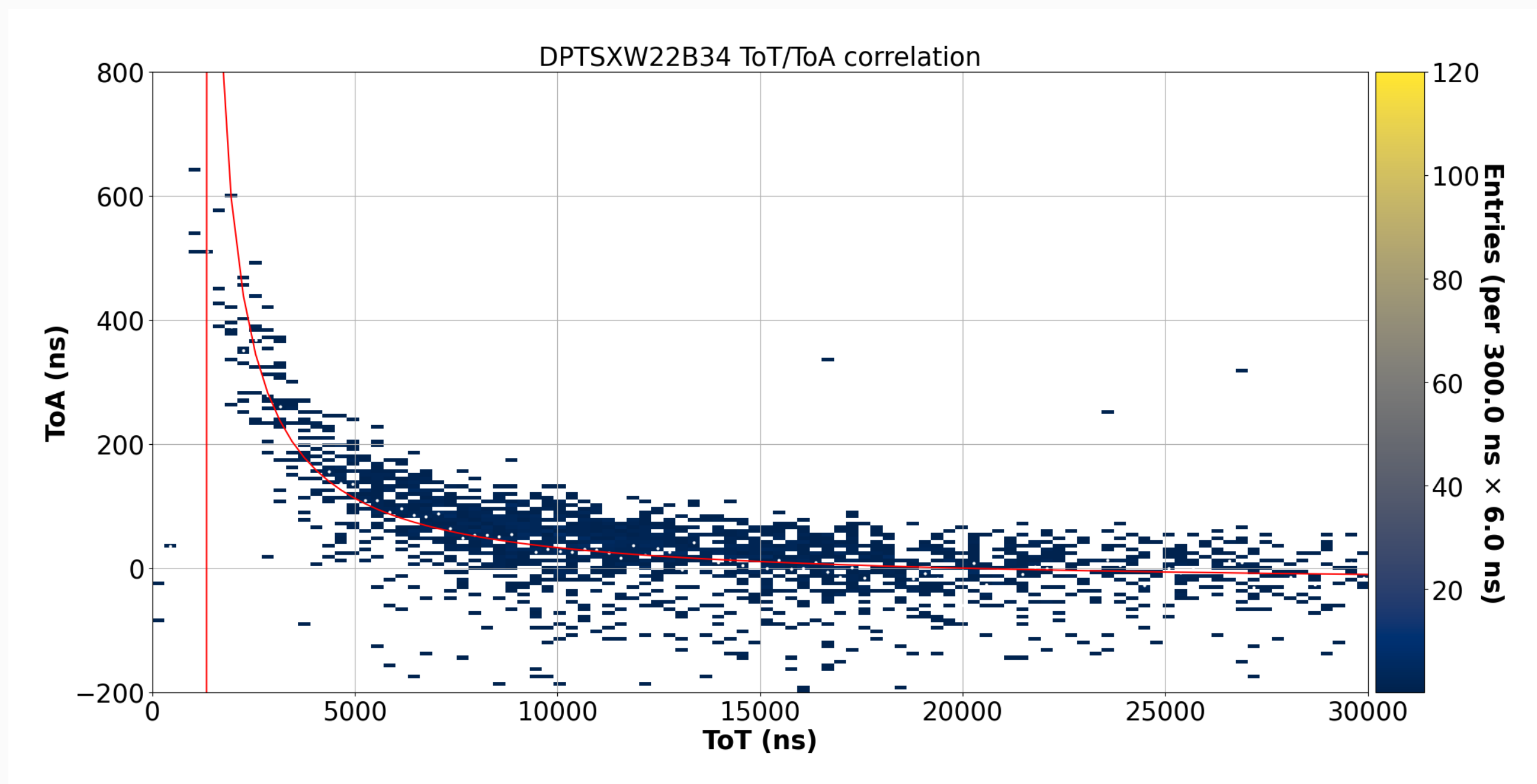
MC particles
(PYTHIA generated stable particles with min. 3 hits)

Truth seeding
(Some kinematic cuts but covers most of final stable
particles created by PYTHIA)

Realistic seeding
(Possibly reconstructed secondary particles)



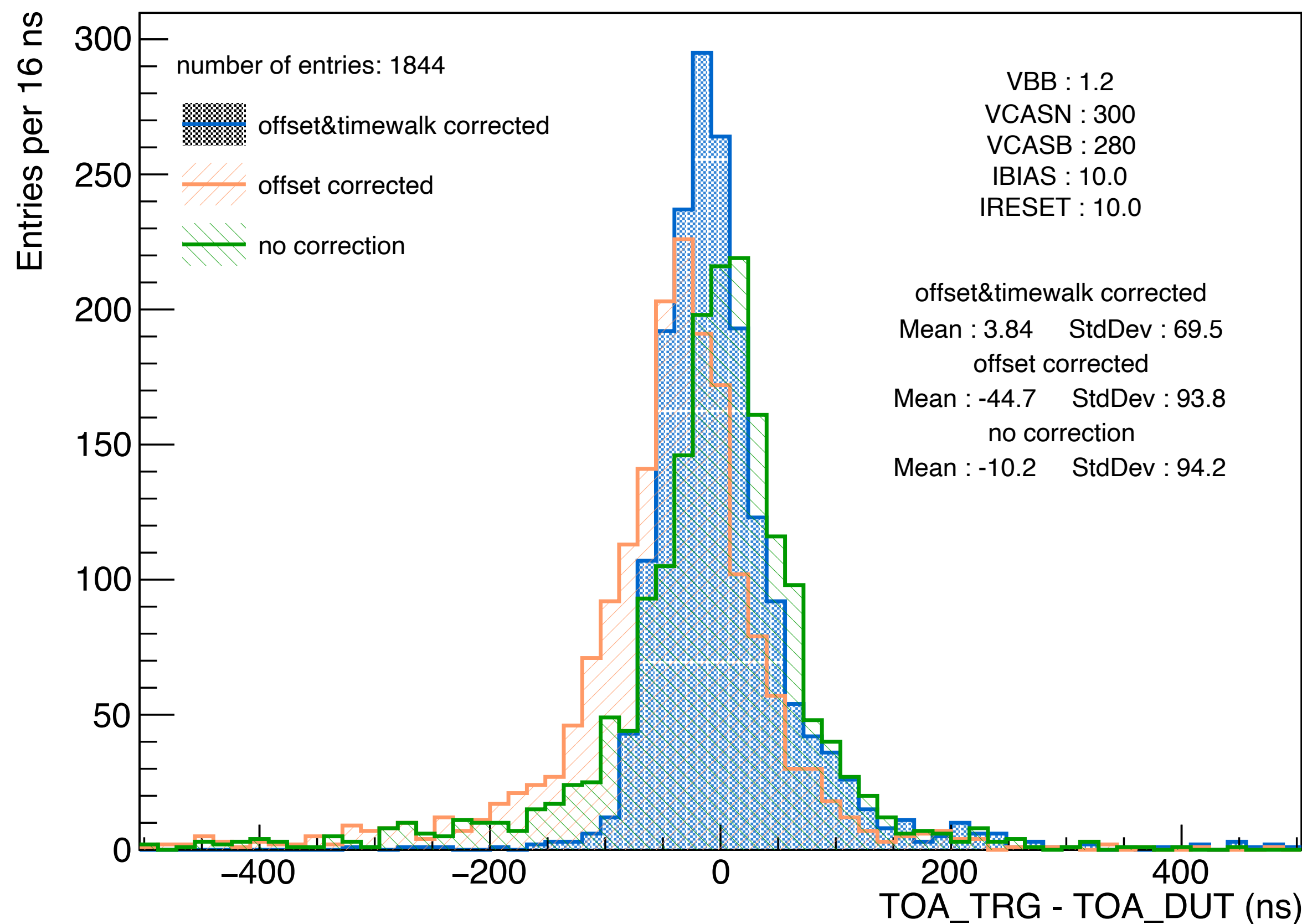
Reminder: ToA vs. ToT



Reducing timewalk effect on trigger layer

- Selecting events with ToT of trigger DPTS > 10000 ns

DPTSOW22B7



DPTSOW22B7

