Echoes in ReD

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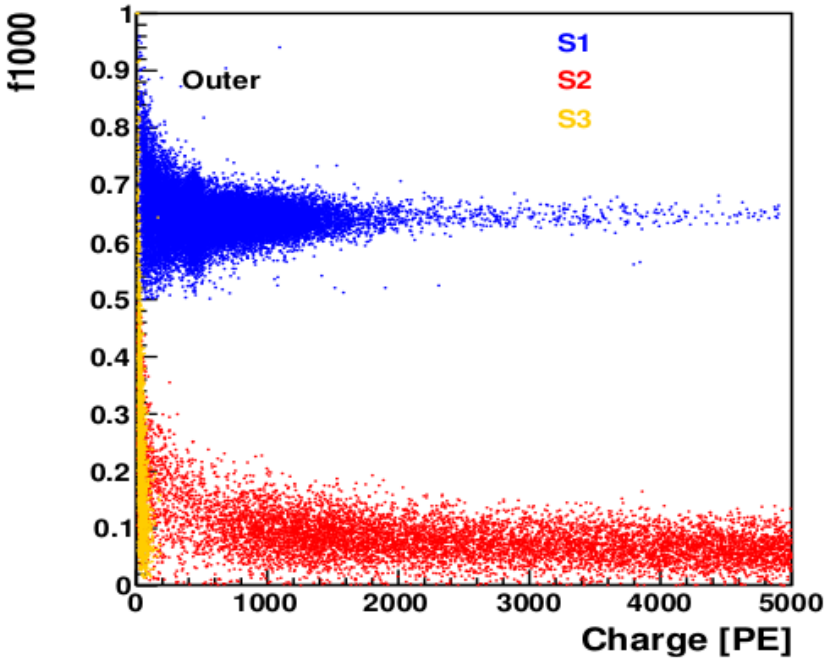
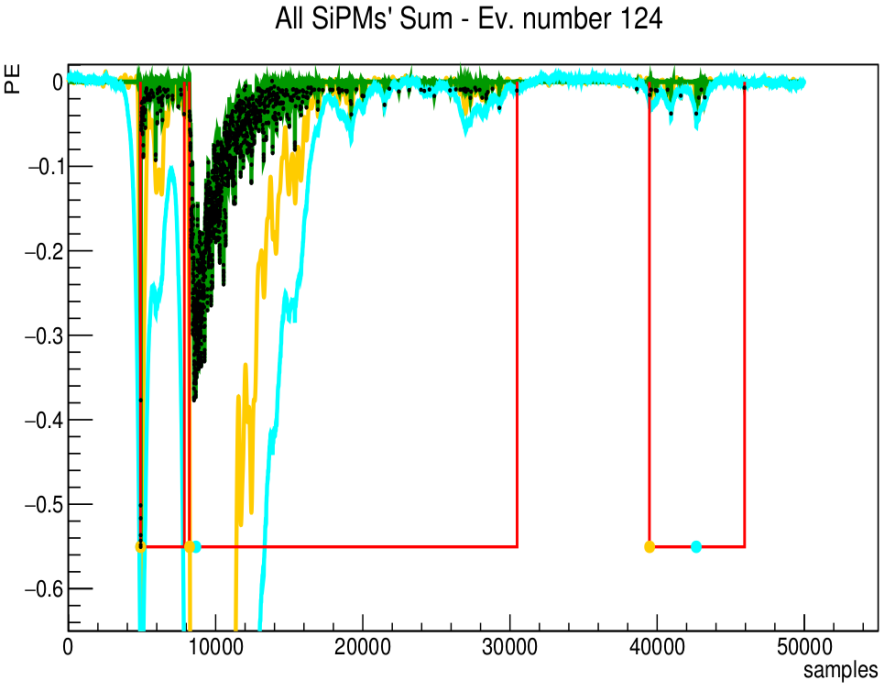
Event selection

- 3 pulses
- f1000>0.5 (1st), f1000<0.5 (2nd)
- rep_{S2} =1
- S3<200 [PE]

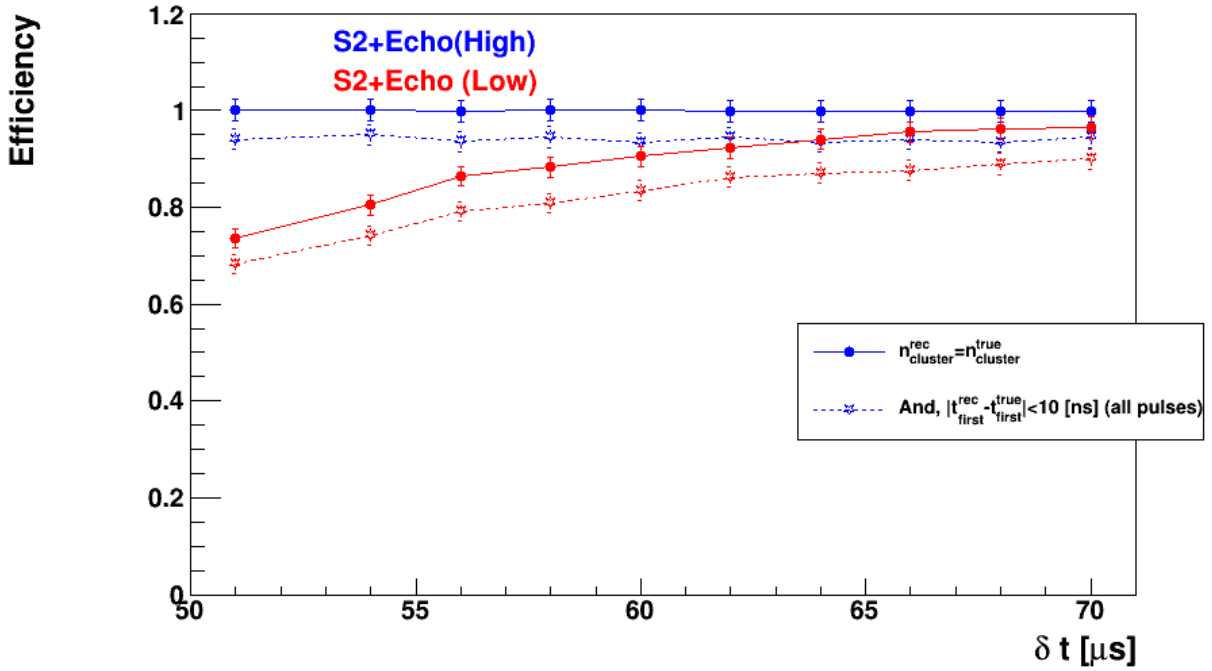




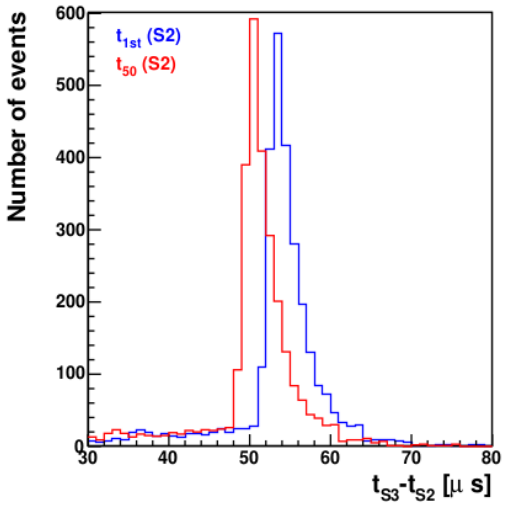
MC simulation

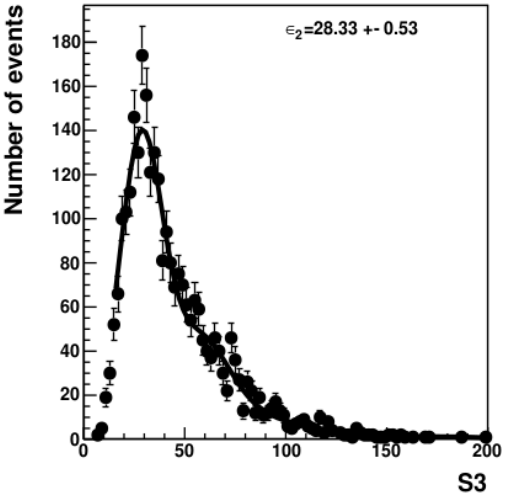
Pulse finder efficiency: 15/30 PE

To be done: simulate more charge cases and add additional background



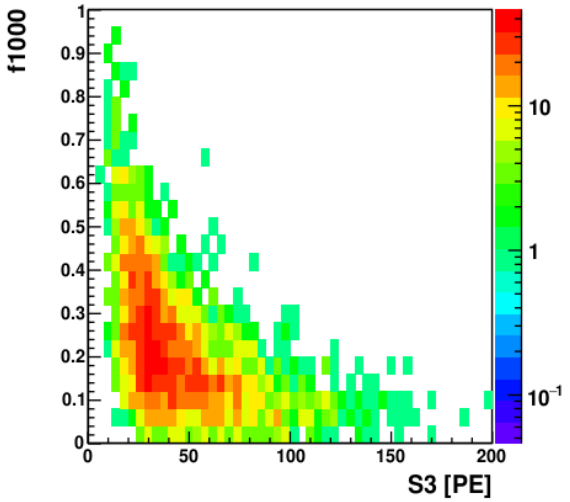
Echoes in data (Using pulse finder)

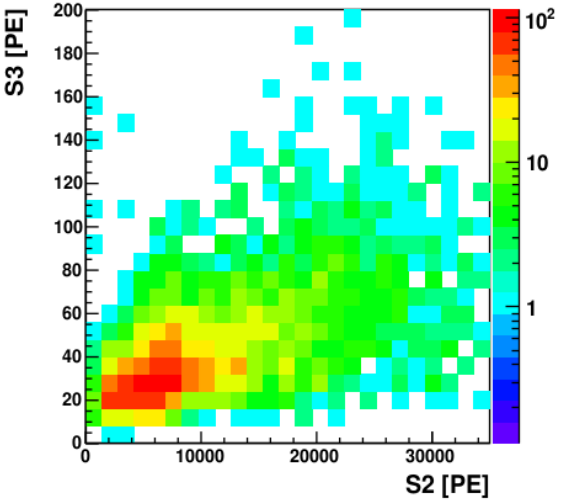




To be done:

- Separate into inner/outer pixels.
- Include pulse finder efficiency in the fit.
- Single electron change spectrum (Poissonian, modified poissonian)





Echoes in data (Using PE packets)

To be done:

- Define echo time window, and pre/post control window.
- Charge spectrum inside the signal window.