

Status report

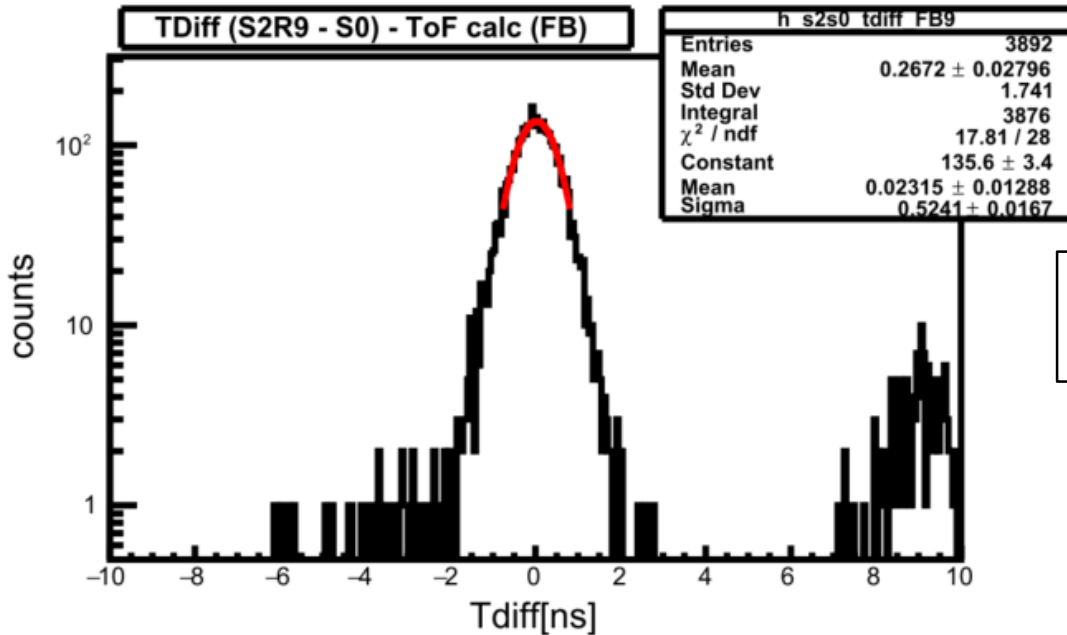
- S2 t0 parameter
 - Fbus
 - F1TDC
 - Plan

2018/10/26

Yuichi Toyama

S2 mean time calibration (Fbus TDC)

Run #94010
Mon Oct 22 17:26

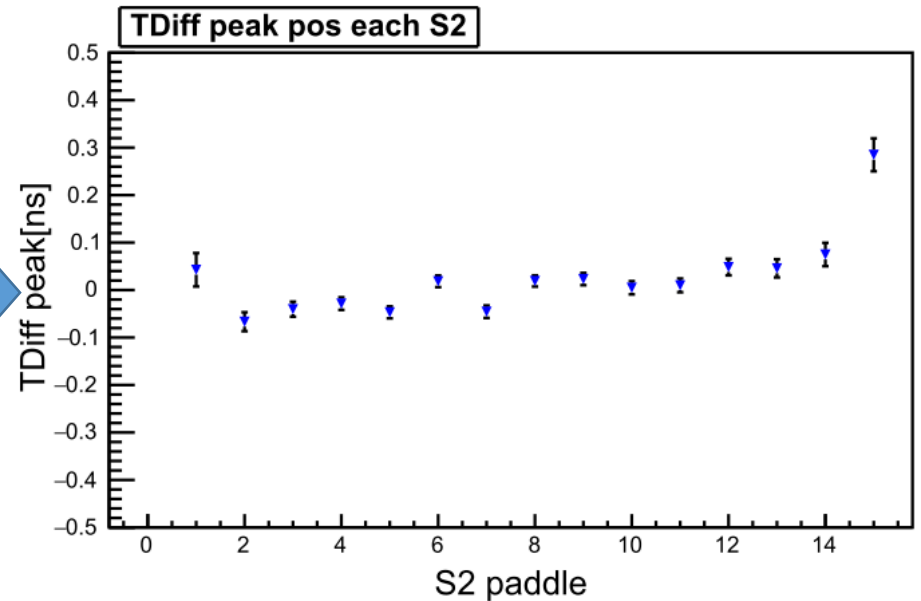
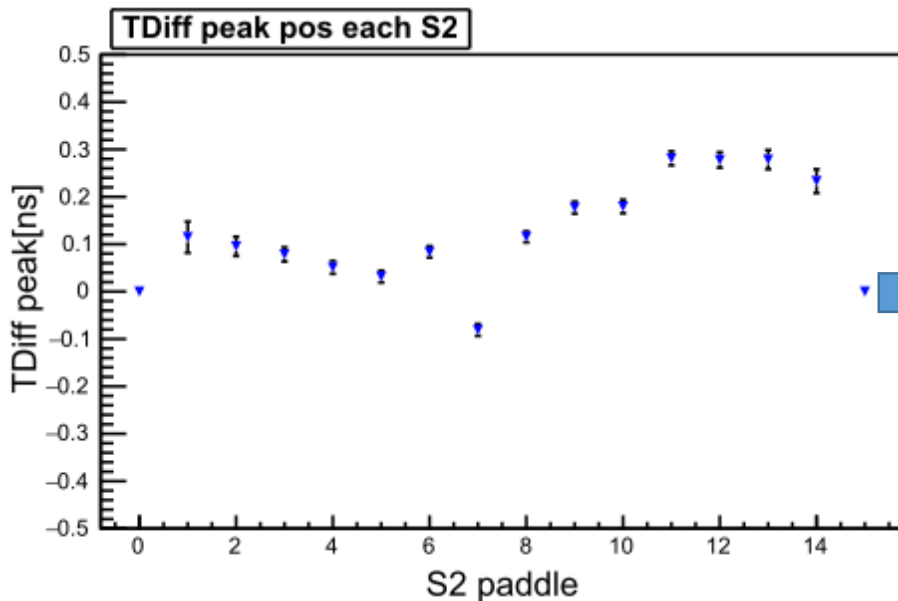


$$TDiff = ToF_{S0S2} - \frac{\text{path length}}{c}$$

- R-HRS S2 t0 parameters were tuned (reference $\beta(S0-S2) = 1$)
- I'm sure we can adjust t0 parameters more precisely before & during experiment.
- Time walk correction is not done yet.

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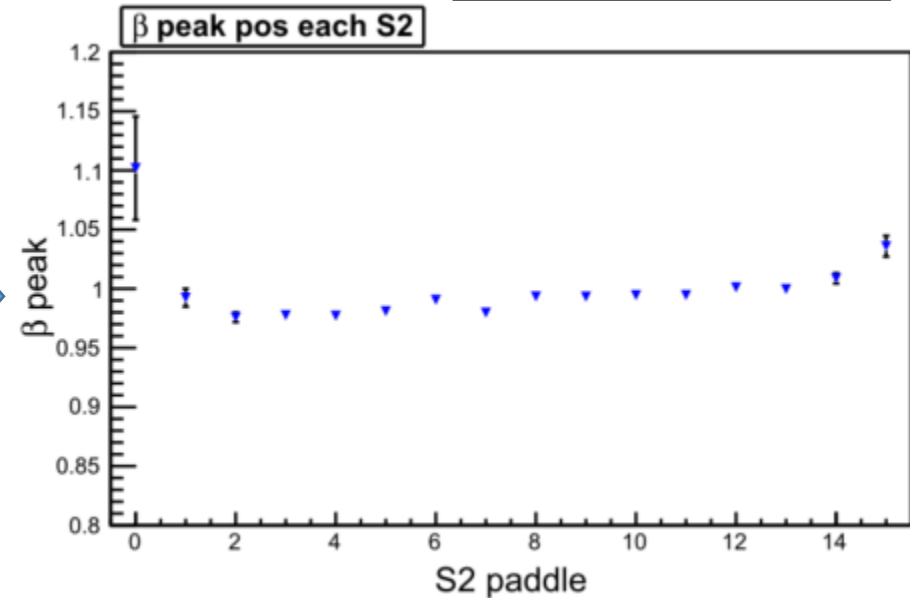
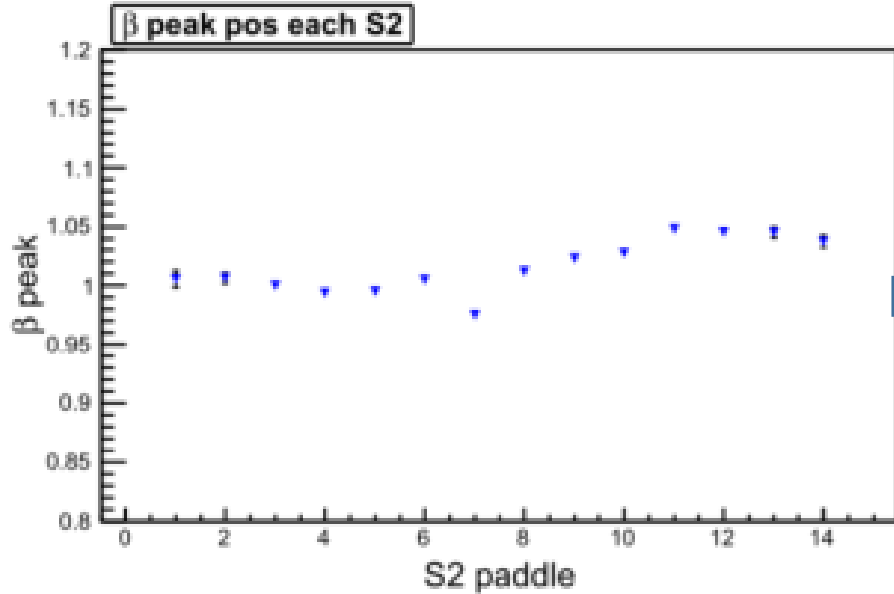


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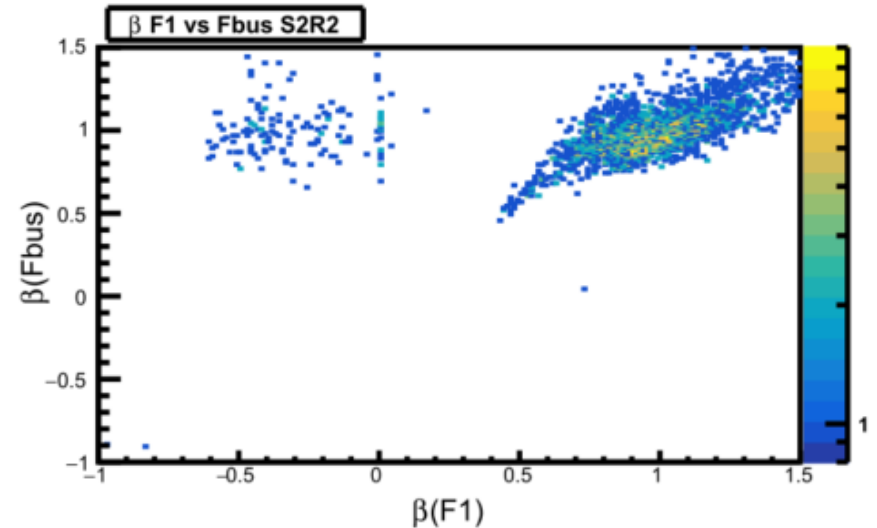
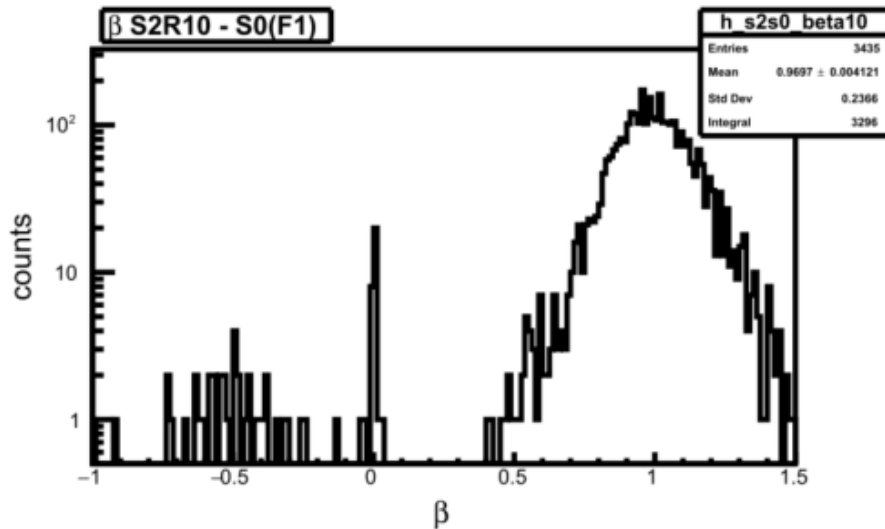


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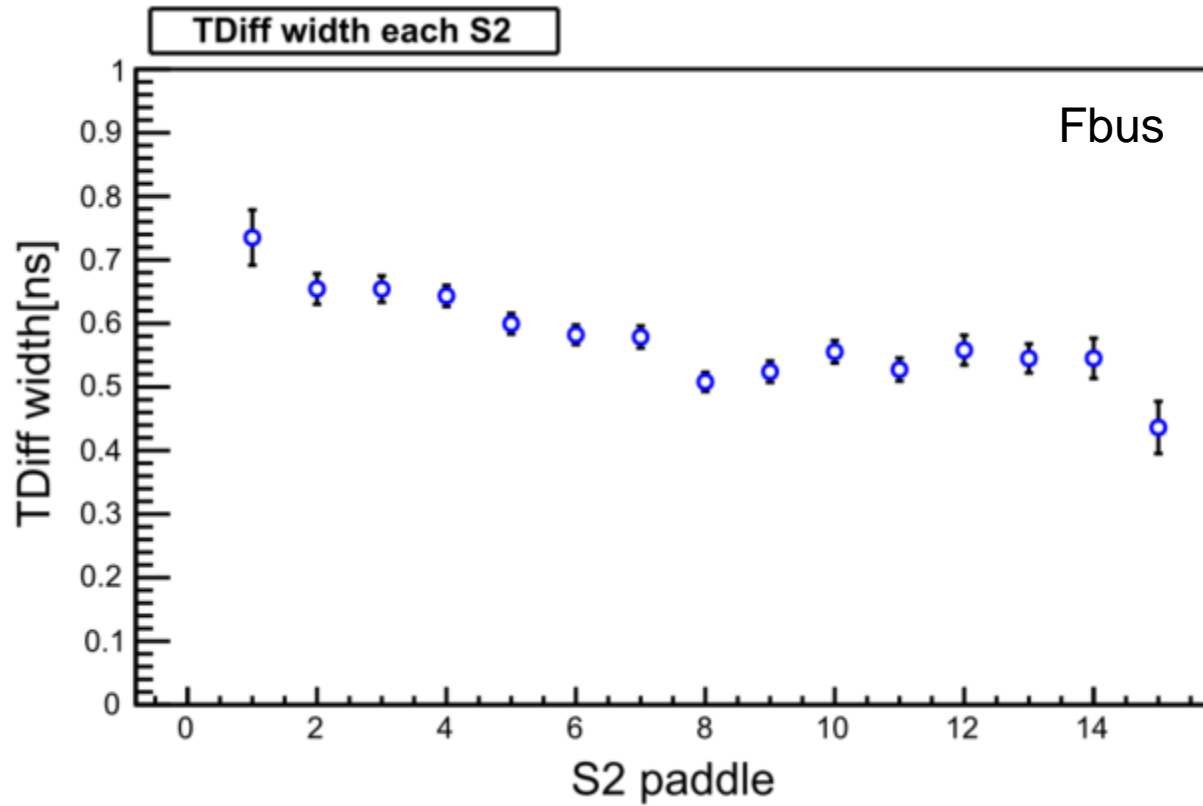
S2 (F1 TDC)

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- I made parameter class outside of replay
- I got β from F1TDC (looks consistent with FbusTDC)
- Resolution is worse than Fbus (due to time walk)

Backup



- F1 $\sigma \sim 600-900$ ps

Multi peak

