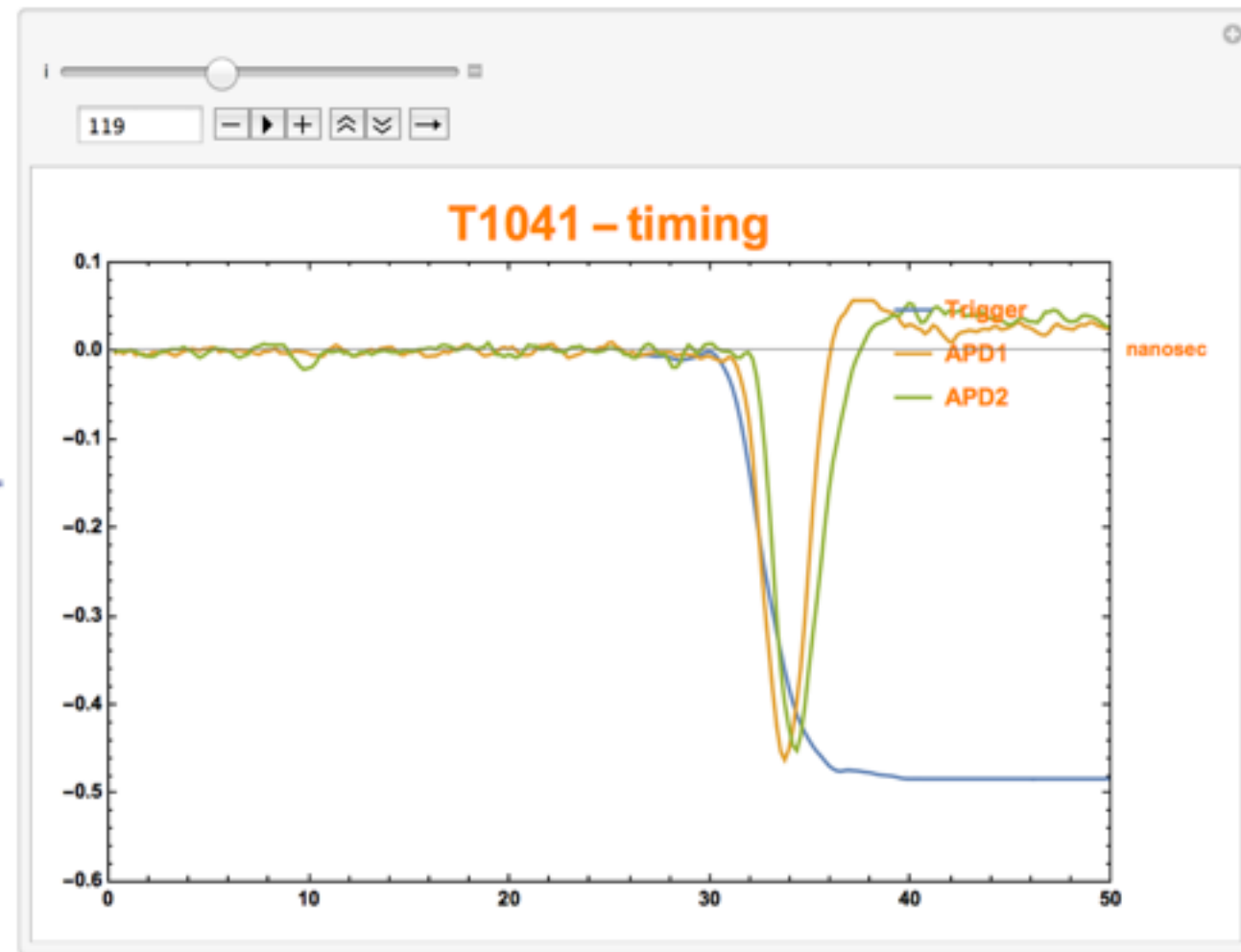


Studies of optimal filtering w.Vcsel SNW, 3/10/2014

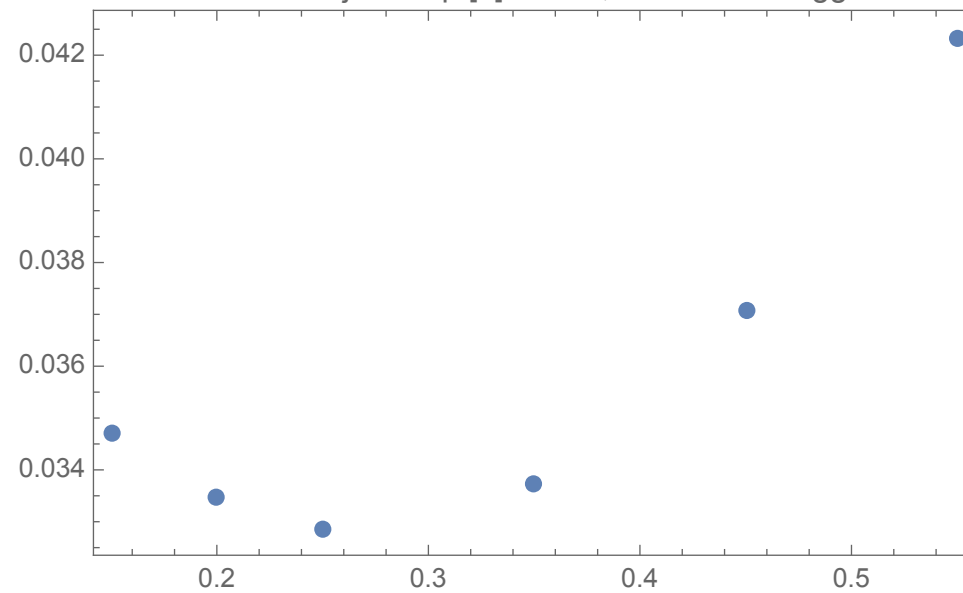


Desk tests w.
“Instapulser” @ $t_R \sim .8 \text{ nsec}$

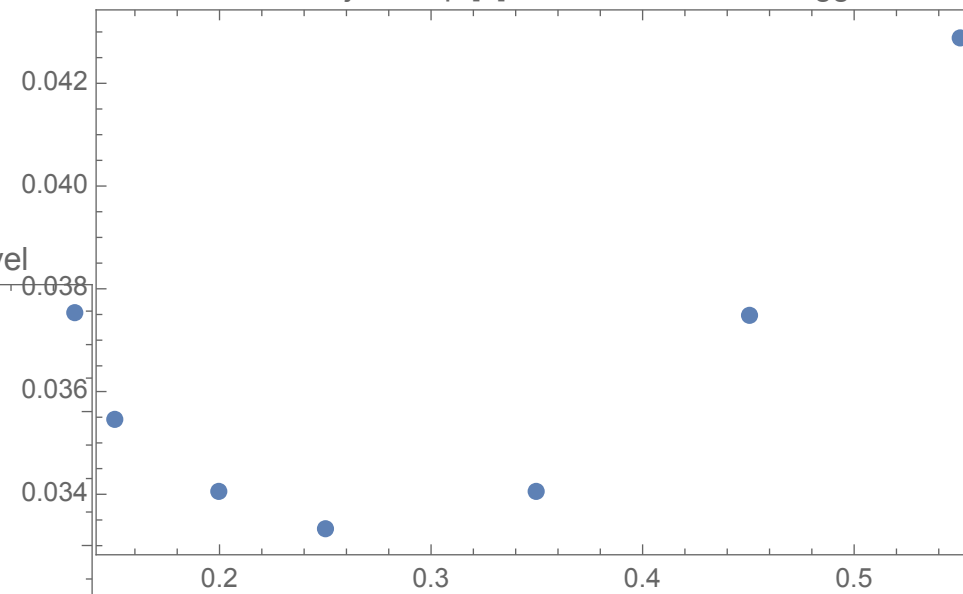


Using Wenteq 50dB 1GHz

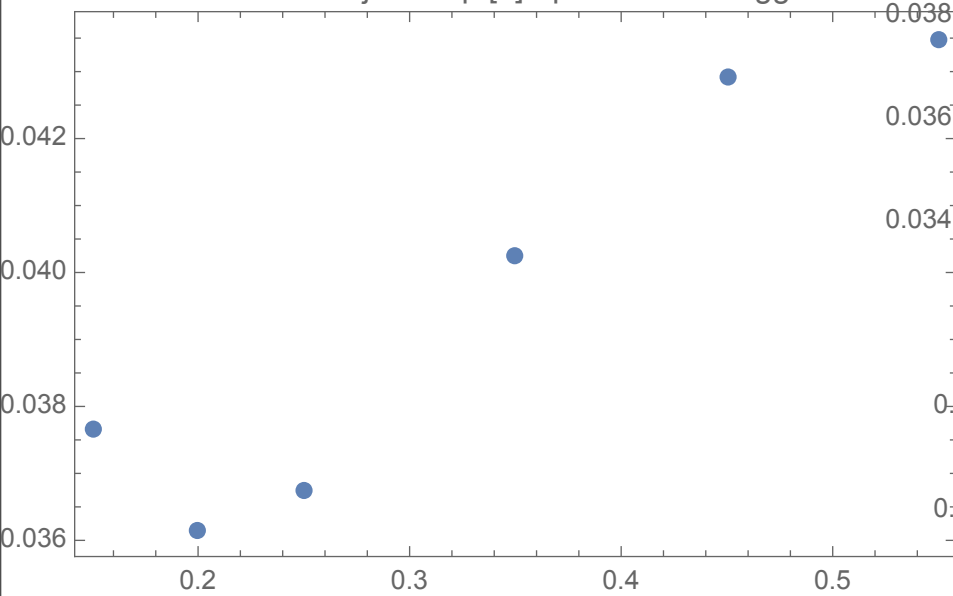
Difference time jitter/Sqrt[2]–linear,iorder=2 vs. trigger level



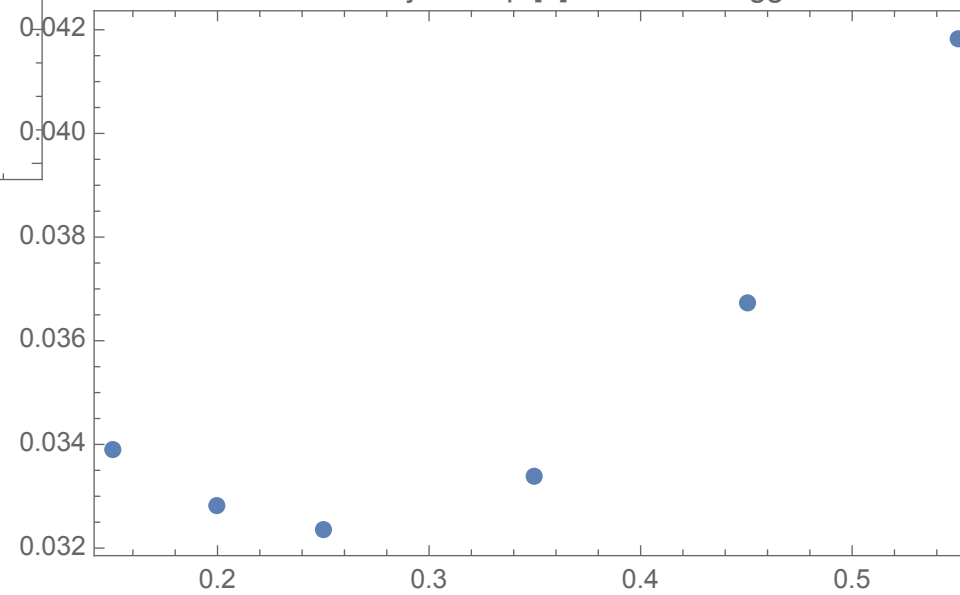
Difference time jitter/Sqrt[2]–linear,iorder=3 vs. trigger level



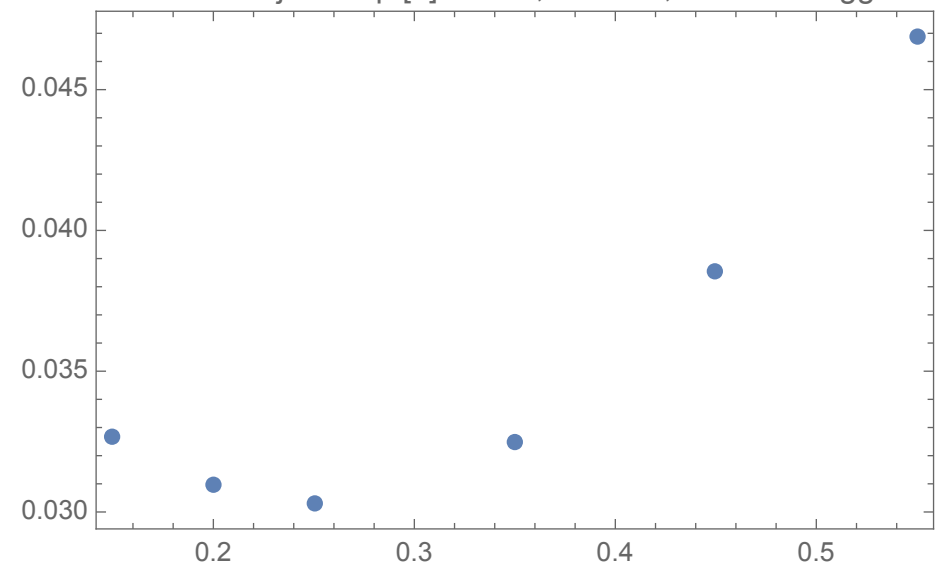
Difference time jitter/Sqrt[2]–quadratic vs. trigger level

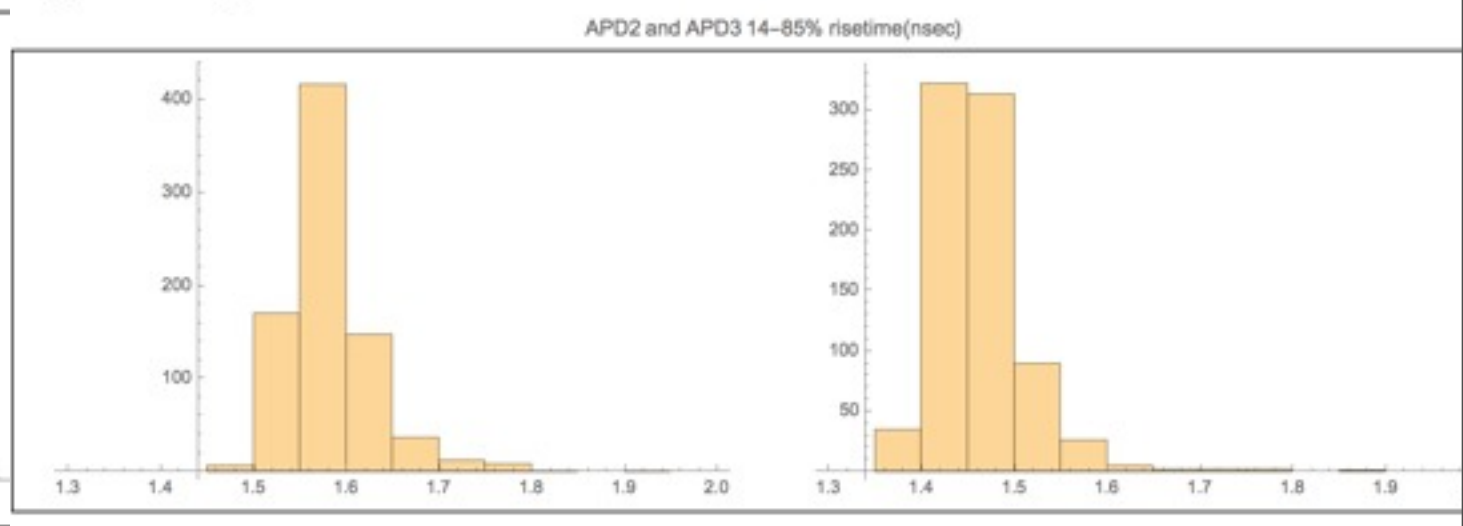
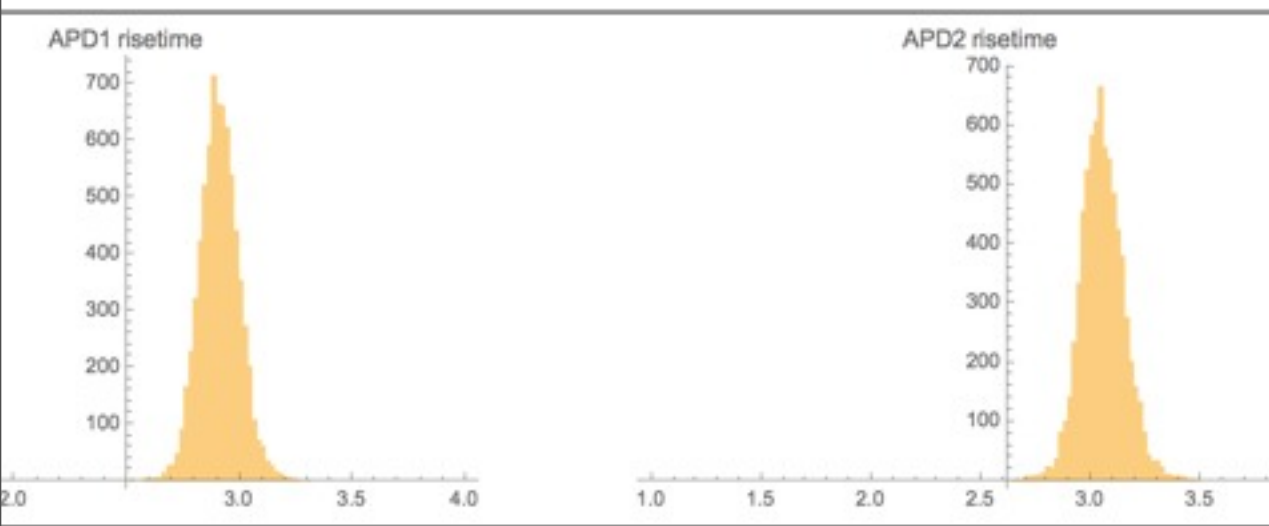


Difference time jitter/Sqrt[2]–linear vs. trigger level



Difference time jitter/Sqrt[2]-linear,iorder=3,no CF vs. trigger level





$\partial t_{1-2}/\sqrt{2}$ vs. threshold

