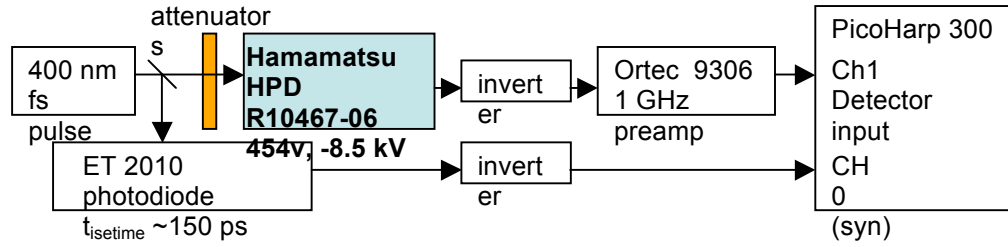
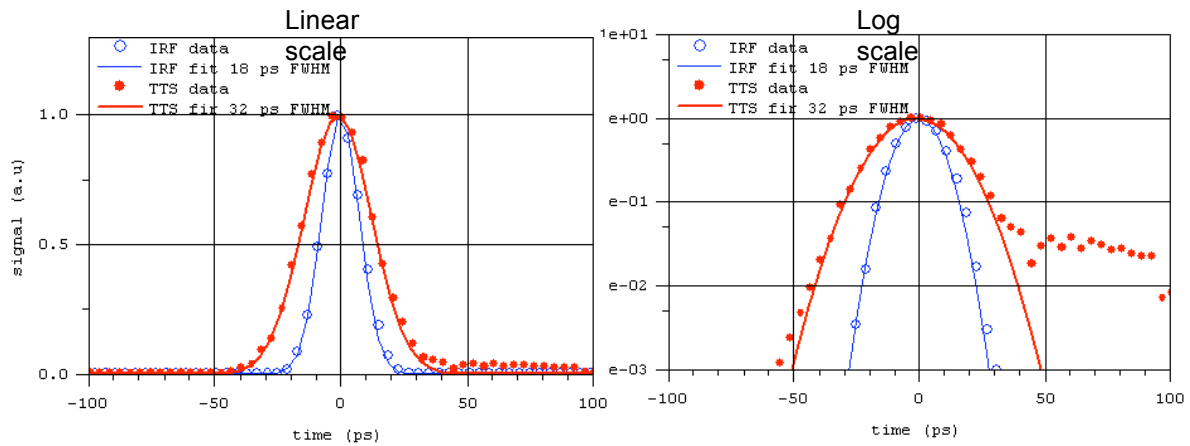


Transit time spread (TTS) & time jitter, using PicoHarp

A. Experiment



B. TTS results (IRF = instrument response function)



C. Summary

- Deconvolved transit time spread of Hamamatsu HPD R10467-06 is **~ 26.5 ps FWHM** at the single photon rate of ~ 3 kHz (excitation rate ~ 90 MHz)
- There is a weak exponential tail of ~ 80 ps ($1/e$) on the HPD response.