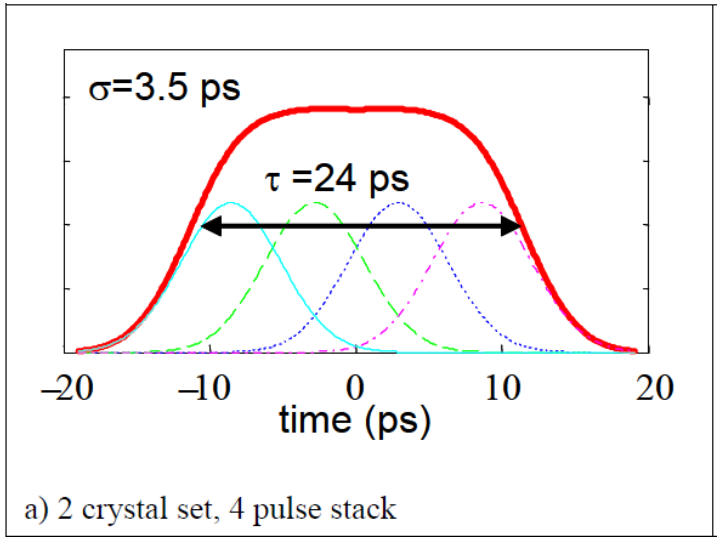
UV laser pulse stacker

Old Example: 4 pulse train

- UV pulse sigma = 3.5 psec
- UV pulse FWHM = 8.24 psec
- 4 UV pulses FWHM = 24 psec
- Separation was adjusted to make flat top. The actual separation between the 3 Gaussian is close to FWHM.



a) 2 crystal set, 4 pulse stack

Option 1: 1 pulse train

- UV pulse sigma = 0.3 psec

Option 2: 2 pulse train

- UV pulse sigma = 0.3 psec
- Add together 2 Gaussian to get total distribution
- Adjust the separation between the 2 Gaussian to make flattop (approximate separation=FWHM).

Option 3: 4 pulse train

- UV pulse sigma = 0.3 psec
- Add together 4 Gaussian to get total distribution
- Adjust the separation between the 4 Gaussian to make flattop (approximate separation=FWHM).