

Data taken with the 15 mm clear aperture variable attenuator.

Pulse duration measurements:

Pulse duration measurement realised with a single-shot FROG and average over 3 FROG measurements. The laser is very stable so 3 shots are enough to get a good idea of the pulse duration if it stretched.

Without variable attenuator: 48.57 ± 0.66 fs (average over 3 shots)

With variable attenuator: 50.8 ± 0.37 fs (average over 3 shots)

Energy measurements:

Measure the energy of the transmitted (Horizontal) and reflected (Vertical) components as a function of angle of the waveplate.

