

High Repetition Rate (HRR) Laser System

Common Laboratory Equipment

- 1 Optical Microscope
 - Microscope Zeiss Axio Imager A2m
- 2 Beam Characterization & Measurement
 - Temporal characterization of laser pulses
 - Autocorrelator 'Single Shot' for quick compressor alignment of laser. Continuous or daily monitoring.
 - FROG and SPIDER for 800 nm.
 - Measurement of laser power
 - Thermopile detector for the mW – W range
 - Spatial analysis of the beam
 - CCD with beam analysis software (*DataRay*)
 - Wavefront analysis
 - Device for wavefront analysis software (*Phasis*)
 - Spectral analysis
 - Fiber spectrometer centered at 800 nm (vis-NIR). Singlemode and multimode fibers suitable
 - Fiber spectrometer centered at 400 nm (UV-vis). Singlemode and multimode fibers suitable

Auxiliary Equipment

- 1 Electronic material
 - Fast photodiodes and wiring
 - Oscilloscope
- 2 Optic Material
 - Focusing Optics
 - Neutral filters, bandpass filters
 - Mirrors
- 3 Optomechanic material
 - Rails, brackets
 - Micrometrics displacements