

Master/bachelor thesis

in the subject area of

Multi-pass stretcher/compressor

Achieving high peak-power ultrashort pulses from a fiber laser system requires employing the chirped-pulse-amplification (CPA) technique. The stretching and compression of pulses is mostly realized with setups based on optical gratings. By using multiple passes on the gratings, the stretched pulse duration can be increased drastically and, therefore, this approach opens up new peak-power scaling opportunities.

Please, send your application preferably by email to

E-Mail: jens.limpert@uni-jena.de

Phone: +49(0)3641 | 9-47811

Institut für Angewandte Physik
Friedrich-Schiller-Universität Jena
Prof. Jens Limpert
Albert-Einstein-Straße 15
07745 Jena