

Intra and extra-cavity beam shaping for post-compression of Yb:YAG picosecond high-energy pulses

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We designed and tested phase mirrors for intra and extra-cavity flat-top beam shaping of high energy Ytterbium systems. The concept can be applied as a new approach to perform spectrally homogeneous thin-plate post-compression of picosecond pulses from J-level Yb:YAG systems.

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