

Laserové centrum Hilase Vás zve na seminář

Towards The Aberration-Free Solid-State Laser

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Optical pumping of solid state lasers produces heat in the gain medium which has to be conducted to its surface. This requires a temperature gradient that in turn leads thermo-optical aberrations. We investigate two routes for reducing these aberrations. An intra-cavity pumped laser could have a very small quantum defect for low heat production. In other experiments, we want to compensate the aberrations of the gain medium of an industrial high-power laser by using a deformable resonator mirror.

I'll present our results on both activities and also talk about the technology of the deformable mirrors we have developed for this purpose.

který se bude konat v úterý 20. 6. 2017 od 10:00

v seminární místnosti

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