

*Oddělení diodově čerpaných laserů, sekce výkonových systémů,
a realizační tým projektu HiLASE
Vás zve na seminář*

Current status of TRAM laser and its application at ILE/Osaka

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High-pulse energy repeatable lasers become strongly required as a key technology when high power laser applications in ultrahigh field science and high energy density science has been discussed with some reality based on the theoretical approach and a few experiments. The TRAM (Total-Reflection Active-Mirror) has been proposed for such laser amplifier a few years ago. Combining it with cryogenic ytterbium-doped material drastically reinforces its performance. In our plan of ultrahigh peak power laser development, 100-J class system is planned as a front end pump source in the OPCPAc chain. To demonstrate its performance, 1-J class laser is under construction at 100 Hz with a good beam profile..

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