

TÉMATA STUDENTSKÝCH PRACÍ PRO ŠKOLNÍ ROK 2021–22

Rámcové téma práce č. 23:

Passively Q-switched cryogenic Tm: Y2O3 oscillator

Typ práce: BP, VÚ, DP

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Student(ka):

Abstrakt: The goal of this work is to generate nano second pulses from diode pumped Tm: Y2O3 laser using Cr:ZnS and Cr:ZnSe saturable absorbers. The student who is involved will build and characterize the pulsed Tm: Y2O3 cryogenic laser oscillator. This study will lead to a deeper understanding of the fundamental physical processes of pulsed cryogenic Tm: Tm: Y2O3 oscillator.

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