

Rámcové téma práce č. 25:

**Generation of Raman wavelength from fundamental wavelength using different Raman medium**

Typ práce: VÚ, DP

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Student(ka):

**Abstrakt:** The goal of this work is to study to generate Raman wavelength from fundamental wavelength (1030 nm and/or 1932 nm) using various Raman medium such as  $\text{KGd}(\text{WO}_4)_2$ ,  $\text{Ba}(\text{NO}_3)_2$  etc. The student who is involved will build the Raman resonator and test the above-mentioned Raman medium. This study will lead to a deeper understanding of the fundamental physical processes of the Raman medium.

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