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Nonlinear Laser Excitation of ^{229m}Th Isomer State by Two-Color Femtosecond Laser Fields

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It is shown that excitation of the isomeric nuclear state ^{229m}Th in the process of thorium atom irradiation by two-color field of Ti:Sa can be enhanced significantly with respect to other nucleus excitation processes.

Authors: Dr STREMOUKHOV, Sergey (Lomonosov Moscow State University); Prof. ANDREEV, Anatoly (Lomonosov Moscow State University); Prof. SAVEL'EV, Andrey (Lomonosov Moscow State University); Dr SHOUTOVA, Olga (Lomonosov Moscow State University)

Presenter: Dr STREMOUKHOV, Sergey (Lomonosov Moscow State University)

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