## XXV International Baldin Seminar on High Energy Physics Problems "Relativistic Nuclear Physics and Quantum Chromodynamics"



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## Investigation of isomerism and yields of odd holmium nuclei (A = 156, 158, 160) when irradiating a 165Ho target at JINR accelerators within the framework of programs "Transmutation -Energy" and "Yasnapp".

Investigation of isomerism and yields of odd holmium nuclei (A = 156, 158, 160) when irradiating a 165Ho target at JINR accelerators within the framework of programs "Transmutation -Energy" and "Yasnapp".

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## Dubna JINR

The experiments were carried out within the framework of the Energy–Transmutation project and the Yasnapp project using JINR accelerators.

The decay of isomers and studies of isomeric yields of odd-odd holmium isotopes were conducted by analyzing the time distributions of gamma transitions of daughter isotopes of dysprosium.

In the course of research , several new isomers have been discovered , the structure

of the lowest levels of holmium isotopes has been determined , and their decay schemes have been established

Literature.

S.I. Tyutyunnikov, V.I. Stegailov et al., // "NUCLEUS-2021". St-Petersburg, 131 (2021).

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