

Study of ^{104}Rh using $(n\text{th},2\gamma)$ reaction

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^{104}Rh nuclei was studied using the $(n\text{th},2\gamma)$ reaction. Measurements with two HPGe detectors for the ^{104}Rh nuclei was conducted at the PGAA facility of the Centre for Energy Research (MTA EK), Budapest, Hungary. The obtained data is based on the analysis of the two-step gamma cascades in the mentioned compound nucleus to the final and some of the lower lying excited levels. The obtained primary and secondary gamma transitions, as well as intermediate cascade levels, were compared with the existing data in the ENSDF library. The comparison showed that a number of primary transitions, intermediate cascade levels, and secondary transitions can be considered as new data.

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