

$^{142}\text{Nd-1}$

The 16.5 μs isomer of ^{142}Nd was first observed in 1964 by H.Krehbiel at the Universität Heidelberg, Germany ([1964Kr02](#)). This isomer is not included in the NUBASE2020 evaluation ([2021Ko07](#)) stating that it is not confirmed in a subsequent pulsed beam experiment by Prade et al. ([1987Pr09](#)). However, Prade et al. stated that they observed new levels on top of this 6^+ isomer. Also, the isomer is listed in the second edition of the Atlas of nuclear isomers ([2023Ga02](#)).

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