

${}^2\text{H}({}^{30}\text{Mg}, {}^{31}\text{Mg}\gamma)$ [2005Sc27](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh		NDS 184, 29 (2022)	24-Jun-2022

[2005Sc27](#) (also [2004Sc43](#), [2004ScZZ](#)): E=2.2 MeV/nucleon ${}^{30}\text{Mg}$ beam was produced from the ISOLDE beam line at CERN. Target was deuterated polyethylene. γ rays were detected with the MINIBALL array consisting of 24 6-fold segmented, individually encapsulated HPGe detectors and charged particles were detected with a detector telescope ΔE -E. Measured E_γ , γ (ions)-coin. Deduced levels.

 ${}^{31}\text{Mg}$ Levels $E(\text{level})^\dagger$

0
50.5
222

† From E_γ .

 $\gamma({}^{31}\text{Mg})$

<u>E_γ^\dagger</u>	<u>$E_i(\text{level})$</u>	<u>E_f</u>
50.5	50.5	0
171	222	50.5
222	222	0

† From [2005Sc27](#).

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Level Scheme

