

$^2\text{H}(^{30}\text{Mg}, ^{29}\text{Mg}\gamma)$  2004Sc43

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia		NDS 113, 909 (2012)	1-Jan-2012

$^2\text{H}(^{30}\text{Mg}, ^{29}\text{Mg}\gamma)^3\text{He}$ : Target: Deuterated polyethylene; Projectile:  $^{30}\text{Mg}$  at ISOLDE,  $E(^{30}\text{Mg})=2.25$  MeV/u; Detectors: miniball array of 24 6-fold segmented, individually capsulated, HPGe detectors,  $\Delta E-E$  for charged particle detection;  $\gamma$ -ray spectra recorded in coincidence with particles in the  $\Delta E-E$  detector; Measured  $E_\gamma$ ,  $\gamma(\text{ions})$  coin.

 $^{29}\text{Mg}$  Levels

E(level)	$J^\pi$ <sup>†</sup>
0	$3/2^+$
54.6	

<sup>†</sup> From Adopted Levels.

 $\gamma(^{29}\text{Mg})$ 

$E_\gamma$	$E_i(\text{level})$	$E_f$	$J_f^\pi$
54.6	54.6	0	$3/2^+$

 $^2\text{H}(^{30}\text{Mg}, ^{29}\text{Mg}\gamma)$  2004Sc43Level Scheme