

$^{80}\text{Se}(^{16}\text{O},3n\gamma)$ 1992ZoZX

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 112, 1163 (2011)	15-Dec-2010

$E(^{16}\text{O})=65$ MeV; measured $E\gamma$, $I\gamma$, $\gamma(\theta)$.

 ^{93}Mo Levels

E(level) [†]	J^π [‡]	Comments
0	$5/2^+$ [#]	
2425.0	$21/2^+$ [#]	E(level): rounded value from Adopted Levels.
4159.7 9	23/2	
4438.1 11	27/2	
4899.5 9	25/2	
5585.8 11	29/2	
6652.3 15	31/2	
7027.4 15	33/2	
7269.1 18	35/2	

[†] From least-squares fit to $E\gamma$, holding E(2425 level) fixed and assigning 1 keV uncertainty to all $E\gamma$ data.

[‡] Authors' values based on $\gamma(\theta)$ and (HI,xn γ) reaction systematics.

[#] Adopted value.

 $\gamma(^{93}\text{Mo})$

E_γ	I_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult. [†]	Comments
241.7	55 2	7269.1	35/2	7027.4	33/2	D	$A_2=-0.23$ 8, $A_4=+0.03$ 8.
278.5	128 3	4438.1	27/2	4159.7	23/2	Q	$A_2=+0.33$ 3, $A_4=-0.08$ 3.
686.2	135 4	5585.8	29/2	4899.5	25/2	Q	$A_2=+0.30$ 4, $A_4=-0.10$ 4.
1066.5	17 1	6652.3	31/2	5585.8	29/2	D	$A_2=-0.14$ 5.
1147.7	47 1	5585.8	29/2	4438.1	27/2	D	$A_2=-0.24$ 5.
1441.6	74 2	7027.4	33/2	5585.8	29/2	Q	$A_2=+0.31$ 6, $A_4=-0.03$ 5.
1734.7	207 6	4159.7	23/2	2425.0	21/2 ⁺	D	$A_2=-0.26$ 4, $A_4=+0.06$ 4.
2474.4	147 4	4899.5	25/2	2425.0	21/2 ⁺	Q	$A_2=+0.33$ 4, $A_4=-0.09$ 4.



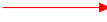
[†] From $\gamma(\theta)$.

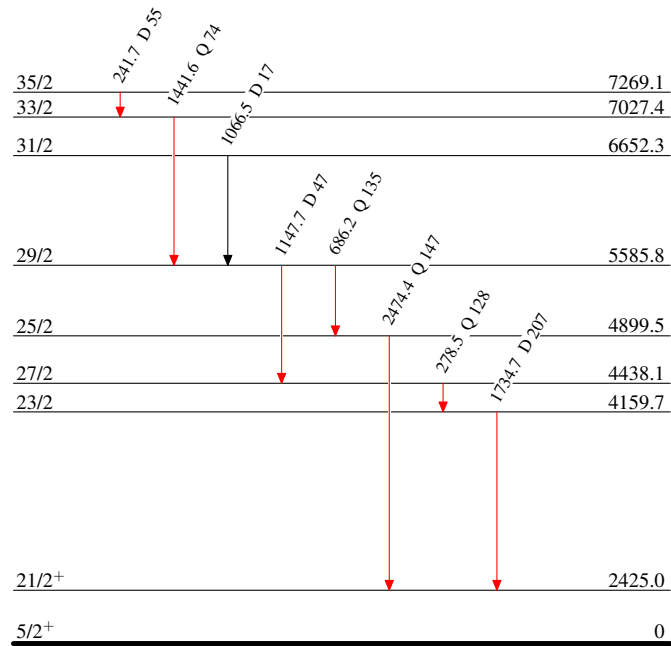
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Level Scheme

Intensities: Relative I_γ

Legend

-  $I_\gamma < 2\% \times I_\gamma^{\text{max}}$
-  $I_\gamma < 10\% \times I_\gamma^{\text{max}}$
-  $I_\gamma > 10\% \times I_\gamma^{\text{max}}$

 $^{93}_{42}\text{Mo}_{51}$