

${}^{92}\text{Mo}({}^{13}\text{C}, {}^{12}\text{C}\gamma)$ 1974Gi04

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

E=33 MeV, 34 MeV, measured particle- γ coincidences, surface barrier detectors, Ge(Li) detectors; measured E_γ , $T_{1/2}$ from DSAM. The 1211 γ which also deexcites the 2705 level in (d,p γ) was not reported in this reaction. However, an impurity line with similar E_γ was present in (${}^{13}\text{C}, {}^{12}\text{C}\gamma$); this may have masked a 1211 γ were it present also.

 ${}^{93}\text{Mo}$ Levels

<u>E(level)[†]</u>	<u>$T_{1/2}$[‡]</u>
0	
941.8 7	>1.73 ps
1361.4 10	0.12 ps +6-4
1480.7 16	
1494.1 10	0.042 ps 28
1521.6 22	
1696.5 12	0.30 ps +16-9
2181.7 14	
2305.8 18	
2704.8 13	0.11 ps +6-4

[†] From least-squares fit to E_γ .

[‡] From DSA measurement.

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

<u>E_γ</u>	<u>$E_i(\text{level})$</u>	<u>E_f</u>
522.7 12	2704.8	2181.7
825.1 8	2305.8	1480.7
941.8 7	941.8	0
1361.4 10	1361.4	0
1480.7 16	1480.7	0
1494.1 10	1494.1	0
1521.6 22	1521.6	0
1696.5 12	1696.5	0
2180.8 19	2181.7	0
2705.4 16	2704.8	0

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Level Scheme

