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

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

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

<sup>93</sup>Mo Levels

E(level) <sup>†</sup>	T <sub>1/2</sub> ‡	
0		
941.8 7	>1.73 ps	
1361.4 10	0.12 ps +6-4	
1480.7 16		
1494.1 <i>10</i>	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	

<sup>†</sup> From least-squares fit to  $E\gamma$ .

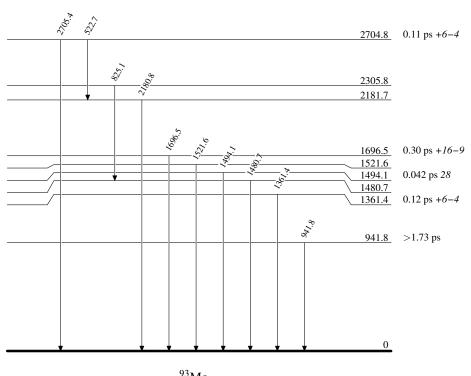
<sup>‡</sup> From DSA measurement.

 $\gamma$ (<sup>93</sup>Mo)

Eγ	E <sub>i</sub> (level)	$E_f$
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

## $\frac{92}{10}$ Mo( $^{13}$ C, $^{12}$ C $\gamma$ ) 1974Gi04

Level Scheme



 $^{93}_{42} Mo_{51}$