

$^{95}\text{Mo}(^3\text{He,d})$ 1979Em01

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni		NDS 109, 2501 (2008)	1-Apr-2008

E=33.6 MeV; FWHM=28 keV.
 J^π target= $5/2^+$.

 ^{96}Tc Levels

E(level)	L [@]	S ^{&}	E(level)	L [@]	S ^{&}	E(level)	L [@]	S ^{&}
0 4	4 [‡]	2.42	753 7	1	0.05	1402 6	1	0.13
46 2	4 [‡]	4.24 [†]	808 5	1+4	0.09+0.36	1460 10	1	0.06
115 3	1+4 ^{‡#}	0.22+0.94	873 3	1	0.07	1540 15	1	0.05
161 3	1+4 [‡]	0.14+0.64	933 5	2	0.08	1595 10	(1+2)	0.03+0.02
230 3	1+4 [‡]	0.10+0.50	1003 5	2	0.05	1661 8	(1+2)	0.02+0.06
315 4	1+4 [#]	0.29+1.29	1064 9	1+4	0.04+0.16	1772 9	(1+2)	0.03+0.07
352 2	1	0.21	1158 4	1	0.05	1825 8	(2)	0.06
500 3	4	0.35	1223 4	1	0.07	1884 15	(1+2)	0.02+0.05
567 4	1	0.04	1300 10	(1+2)	0.03+0.08	1940 15	2	0.07
623 2	4	0.22	1338 8	1	0.08	2020 15		

[†] C^2 S(g.s.)/ C^2 S(46 keV) is consistent with the 46-keV level being a multiplet with $J^\pi=2^+$ to 6^+ .

[‡] Configuration= $((\pi 1g_{9/2})^3(\nu 2d_{5/2})^3)$ multiplet proposed by 1979Em01.

[#] Configuration= $((\pi 2p_{1/2})(\nu 2d_{5/2})^3)$ multiplet proposed by 1979Em01.

[@] From DWBA.

[&] $(2J+1)C^2$ S from DWBA. Uncertainty in absolute normalization is 25%.