

$^{94}\text{Mo}(\alpha, \alpha')$  1975Bu04

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni		NDS 107, 2423 (2006)	1-Jan-2006

 $^{94}\text{Mo}$  Levels

E=32.2 MeV. Enriched target. Semi, FWHM=90 keV to 120 keV.

Other: 1972Ma56.

<u>E(level)<sup>†</sup></u>	<u>L<sup>‡</sup></u>	<u><math>\beta_L^{\#}</math></u>	<u>E(level)<sup>†</sup></u>	<u>L<sup>‡</sup></u>	<u><math>\beta_L^{\#}</math></u>	<u>E(level)<sup>†</sup></u>	<u>L<sup>‡</sup></u>	<u><math>\beta_L^{\#}</math></u>	<u>E(level)<sup>†</sup></u>	<u>L<sup>‡</sup></u>	<u><math>\beta_L^{\#}</math></u>
0			$2.07 \times 10^3$ 2			$2.86 \times 10^3$ 3	2	0.03	$3.48 \times 10^3$ 3	4	0.04
$8.7 \times 10^2$ 2	2	0.14	$2.42 \times 10^3$ 2	6	0.04	$3.01 \times 10^3$ 3	3	0.05	$3.68 \times 10^3$ 3	5	0.04
$1.57 \times 10^3$ 2	4	0.08	$2.53 \times 10^3$ 3	3	0.15	$3.17 \times 10^3$ 3	(6)	0.02	$4.11 \times 10^3$ 3	4	0.04
$1.86 \times 10^3$ 2	4	0.04	$2.74 \times 10^3$ 3	4	0.05	$3.40 \times 10^3$ 3	4	0.05	$4.44 \times 10^3$ 3		

<sup>†</sup> Spectra were measured up to 12 MeV but no defined levels could be observed above 4.5 MeV. This is probably due to the increasing density of weakly excited states which are not resolved.

<sup>‡</sup> From DWBA.

<sup>#</sup>  $\beta_L$  calculated by the evaluator from  $\beta_L R$  deduced by 1975Bu04 from their DWBA analysis if  $R=1.2 \times A^{1/3}$ . The total uncertainty for cross sections ranges from 20% for strongly excited states to 50% for weaker excited states.