

$^{97}\text{Mo}(\alpha, \text{t})$ 1976Ma16

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen, Balraj Singh		NDS 164, 1 (2020)	15-Feb-2020

$J^\pi(^{97}\text{Mo g.s.})=5/2^+$.

1976Ma16: E=24 MeV alpha beam was produced from the McMaster FN tandem accelerator. Target was $50 \mu\text{g}/\text{cm}^2$ ^{97}Mo (94% enriched) evaporated on a $50 \mu\text{g}/\text{cm}^2$ carbon foil. Tritons were momentum-analyzed with an Engel magnetic spectrograph (FWHM=9 keV) and detected with photographic emulsions. Measured $\sigma(\theta)$. Deduced levels. Comparisons with available data.

 ^{98}Tc Levels

<u>E(level)</u>	<u>E(level)</u>	<u>E(level)</u>	<u>E(level)</u>
0	81 2	203 4	346 3
22 2	106 3	266 3	387 2
67 2	142 3	324 4	