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 $^{98}\text{Mo}(^3\text{He}, ^3\text{He}')$  **1979Mo12**

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

**1979Mo12:** E=110 MeV from the Grenoble variable-energy cyclotron. Target was 0.48 mg/cm<sup>2</sup> self-supporting foil of  $^{98}\text{Mo}$ . Scattered particles were momentum-analyzed with a QSD spectrometer (FWHM<100 keV). Measured  $\sigma(\theta)$  for the first excited state and a giant-quadrupole resonance (GQR). Deduced GQR width, deformation parameter from DWBA analysis.

Other:  
**2006Ch14, 2005Gu16:** ( $^3\text{He}, ^3\text{He}\gamma$ ), E=45 MeV, measured particle spectra,  $E\gamma$ ,  $I\gamma$ , (particle) $\gamma$ -coin. Deduced level density.

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 $^{98}\text{Mo}$  Levels

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E(level)	Comments
0	
787	$\beta_2=0.13$ ( <b>1979Mo12</b> ).
$14.2\times 10^3$ 4	FWHM of the GQR=4.7 MeV 4 ( <b>1979Mo12</b> ). $d\sigma/d\Omega(\text{at } 6^\circ)=22 \text{ mb/sr}$ 6, %EWSR=87 ( <b>1979Mo12</b> ).