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$^{232}\text{Th}(\alpha, \alpha'), (\gamma, \mathbf{X}) \text{ E=resonance}$

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	E. Browne	NDS 107, 2579 (2006)	1-Nov-2004

Giant-resonance peak at 11.3 MeV observed in  $^{232}\text{Th}(\alpha, \alpha')$   $E(\alpha)=120$  MeV. This resonance may be the sum of E0+E2+E4 excitations ([1980Ha05](#)).

$^{232}\text{Th}(\alpha, \alpha')$   $E(\alpha)=100, 172$  MeV. Giant-monopole resonance found at 9.6 MeV [3](#) and 13.8 MeV [4](#). A resonance at 10.9 MeV [3](#) is L=2+4. Broad peak at  $\approx 19.6$  MeV assigned to L=1+3 giant resonances. Splitting of resonances ascribed to deformation effects ([1982Mo11](#)). Other: [1984Ar06](#).