

$^{198}\text{Pt}(\alpha,\alpha')$  [1976Ba35](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong and Kang Mengxiao		NDS 133, 221 (2016)	1-Dec-2015

E=14-24 MeV; measured  $\sigma(E\alpha,E\alpha')$  at 127.5°.

Deduced deformation parameters:  $\beta_2=-0.087$ ,  $\beta_4=-0.036$  ([1976Ba35](#)); compared with  $\beta_2=-0.06$ ,  $\beta_4=-0.02$  from theory ([1972Go28](#)).

 $^{198}\text{Pt}$  Levels

E(level)	$J^\pi$ <sup>‡</sup>	Comments
0	0 <sup>+</sup>	
408	2 <sup>+</sup>	
775	2 <sup>+</sup>	
991	4 <sup>+</sup>	
1305		
1722	3 <sup>-†</sup>	L=3 probably corresponds to the 1680 level. L(1722)=3 is not confirmed by <a href="#">1981De12</a> in (p,p'),(p,p'γ).

<sup>†</sup> ( $\alpha,\alpha'$ ) strength suggests 3<sup>-</sup> octopole vibrational state.

<sup>‡</sup> From Adopted Levels, except as noted.