

$^{204}\text{Hg}(p,p')$  1991Ho07

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	C. J. Chiara and F. G. Kondev		NDS 111,141 (2010)	1-Oct-2009

1991Ho07: HgO target enriched to 98.20%  $^{204}\text{Hg}$ , 136  $\mu\text{g}/\text{cm}^2$  thick on 30  $\mu\text{g}/\text{cm}^2$  C backing; E(p)=28.2 MeV; mag spect, FWHM=16 keV; measured  $p'(\theta)$ . Coupled-channels analysis.

 $^{204}\text{Hg}$  Levels

E(level)	$J^{\pi\dagger}$	$\beta(L)^{\#}$	Comments
0	0 <sup>+</sup>		
437 3	2 <sup>+</sup>	-0.069	<a href="#">Additional information 1.</a>
1128 4	4 <sup>+</sup>	-0.049	<a href="#">Additional information 2.</a>
1632 11	0 <sup>+</sup>		<a href="#">Additional information 3.</a>
1714 6			
1836 5			
1985 7			
2099 8			
2137 9			
2183 4	6 <sup>+</sup>	-0.013	<a href="#">Additional information 4.</a>
2257 4	5 <sup>-</sup>	0.033	<a href="#">Additional information 5.</a>
2293 4	7 <sup>-</sup>	-0.021	<a href="#">Additional information 6.</a>
2398 9			
2463 9			
2509 5			
2672 4	3 <sup>-</sup>	0.089	<a href="#">Additional information 7.</a>
2710 4			
2759 4			
2813 4	3 <sup>-</sup>	0.046	<a href="#">Additional information 8.</a>
2866 4			
3021 4	(4 <sup>+</sup> ) <sup>‡</sup>	0.016	<a href="#">Additional information 9.</a>
3112 4	(4 <sup>+</sup> ) <sup>‡</sup>	0.016	<a href="#">Additional information 10.</a>
3227 4	(5 <sup>-</sup> ) <sup>‡</sup>	0.020	<a href="#">Additional information 11.</a>
3315 4	3 <sup>-</sup>	0.048	<a href="#">Additional information 12.</a>
3364 4	5 <sup>-</sup>	0.049	<a href="#">Additional information 13.</a>
3417 4			
3439 4			
3496 5			
3528 6			
3585 4			
3618 6			
3664 9			
3697 5			
3712 7			
3750 4			
3779 4			
3833 8			
3869 7			
3923 9			
3954 10			
4113 5	4 <sup>+</sup>	0.039	<a href="#">Additional information 14.</a>
4164 5			
4225 6			
4262 5			
4321 6			
4356 6			
4406 6			

Continued on next page (footnotes at end of table)

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 $^{204}\text{Hg}(\text{p,p}')$  **1991Ho07 (continued)**

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 $^{204}\text{Hg}$  Levels (continued)

† From [1991Ho07](#) based on  $p'(\theta)$ ; confirms assignments in (e,e') data of [1989BuZP](#).

‡ Assignments tabulated in [1991Ho07](#), but changed by evaluators to tentative, based on authors' description in the text that the assignments for these levels were not definitive.

# Based on coupled-channels analysis.