

$^{54}\text{Cr}(^3\text{He,p})$ 1971Ca32

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Huo Junde, Huo Su, Yang Dong		NDS 112, 1513 (2011)	29-Oct-2009

E=15 MeV, 17-keV FWHM; measured $\sigma(E(p),\theta)$, DWBA analyses.

 ^{56}Mn Levels

E(level)	L [†]	Comments
0	2	
27 5	2	
109 5	0+2	
213 5	2	E(level): may be composed of 212 and 215.
340 5	4	E(level): may be composed of 335 and 340.
465 5		
483 5	2	
725 5	4	
845 5	(2+4)	
1172 8	0+2	
1245 8	2	
1358 8		L: L=1 or 0+2.
1489 8		
1837 8	0+2	
1873 8	(3)	E(level): may be composed of 1833 and 1866.
2088 10	(2)	
2266 10	(2)	
2442 10	2	
2475 10	0	
2544 10	0+2	
2564 10		L: L=1 or 0+2.
2589 10	(2)	
2657 10		
2716 10		L: L=1 or 0+2.
2790 10	2	
2830 10		
2866 10		
2897 10	0+2	
2955 10	(2)	
3027 10		
3056 10	0+2	
3173 10		
3242 10		
3273 10		
3303 10		
3348 10		
3387 10	0+2	
3428 10		
3496 10	0+2	
3515 10		
3574 10		
3689 10	(0+2)	
3727 10	2	
3752 10		
3784 10		
3866 10		
3894 10		
3933 10		
3962 10		

Continued on next page (footnotes at end of table)

 $^{54}\text{Cr}(^3\text{He,p})$ **1971Ca32** (continued) ^{56}Mn Levels (continued)

<u>E(level)</u>	<u>E(level)</u>	<u>E(level)</u>	<u>E(level)</u>
3987 <i>10</i>	4383 <i>10</i>	4789 <i>10</i>	5308 <i>10</i>
4009 <i>10</i>	4416 <i>10</i>	4822 <i>10</i>	5340 <i>10</i>
4077 <i>10</i>	4470 <i>10</i>	4929 <i>10</i>	5360 <i>10</i>
4107 <i>10</i>	4505 <i>10</i>	4955 <i>10</i>	5390 <i>10</i>
4134 <i>10</i>	4525 <i>10</i>	4975 <i>10</i>	5423 <i>10</i>
4161 <i>10</i>	4552 <i>10</i>	5005 <i>10</i>	5440 <i>10</i>
4220 <i>10</i>	4576 <i>10</i>	5074 <i>10</i>	5490 <i>10</i>
4241 <i>10</i>	4656 <i>10</i>	5126 <i>10</i>	5519 <i>10</i>
4279 <i>10</i>	4683 <i>10</i>	5172 <i>10</i>	5537 <i>10</i>
4309 <i>10</i>	4717 <i>10</i>	5215 <i>10</i>	5557 <i>10</i>
4322 <i>10</i>	4737 <i>10</i>	5231 <i>10</i>	5582 <i>10</i>
4355 <i>10</i>	4770 <i>10</i>	5265 <i>10</i>	5616 <i>10</i>

† Based on $\sigma(\theta)$ fits with DWBA.