

$^{191}\text{Ir}(p,p')$ E=50 MeV 1980Ha47

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia	NDS 195,368 (2024)	1-Dec-2023

Target: ^{191}Ir . Projectile: protons. Measured scattered protons at $\theta=15^\circ$ to 51° in steps of 3° . Detector: magnetic spectrograph, FWHM=22-27 keV.

 ^{191}Ir Levels

E(level) [†]	J^π [†]	B(E2) [‡]	Comments
0.0	$3/2^+$		
82.4	$1/2^+$	0.04	
129.4	$5/2^+$	0.64	$\beta_2=0.212$, from comparison of experimental cross sections with calculated (DWBA) values.
178.98	$3/2^+$	0.08	
343.3	$7/2^+$	0.54	$\beta_2=0.159$, from comparison of experimental cross sections with calculated (DWBA) values.
351.2	$5/2^+$	0.48	
504.3	$(7/2^+)$	0.07	
686.4	$7/2^+$	0.08	

[†] From Adopted Levels.

[‡] B(E2 \uparrow) values are relative to 1.0 for the 328 ($J^\pi=2^+$) level in ^{194}Pt .