

$^{142}\text{Ce}(\text{e},\text{e}')$ 1991Ki13

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	T. D. Johnson, D. Symochko(a), M. Fadil(b), and J. K. Tuli		NDS 112, 1949 (2011)	1-Jun-2010

E=100 MeV-370 MeV. $\theta=40^\circ-101^\circ$. Measured $\sigma(\theta)$, DWBA. Derived transition charge densities.

 ^{142}Ce Levels

E(level)	J^π [†]	B(EL) in e^2fm^{2L}	E(level)	J^π [†]	B(EL) in e^2fm^{2L}	E(level)	J^π [†]	B(EL) in e^2fm^{2L}
0.0	0 ⁺		2125	5 ⁻	1.53×10^8 20	2742	1 ⁻	1.2 3
641	2 ⁺	4.61×10^3 21	2220	6 ⁺	1.8×10^9 7	2767		
1219	4 ⁺	2.45×10^6 52	2279	4 ⁺	2.3×10^5 4	2861		
1536			2364	2 ⁺	4.8×10^2 4	3000		
1653	3 ⁻	2.33×10^5 12	2543	2 ⁺	5.1×10^1 5	3060	3 ⁻	6.6×10^4 5
1742	5 ⁻	6.0×10^6 22	2590			3228	5 ⁻	8.3×10^7 21
2004	2 ⁺	6.21×10^2 24	2604					
2043	4 ⁺	2.43×10^6 9	2696	2 ⁺	5.0×10^1 18			

[†] From DWBA analysis.