^{50}Cr(α,^{2}He) 1990Fi07

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Yang Dong, Huo Junde	NDS 128, 185 (2015)	10-Jul-2015

E=56 MeV, measured $\sigma(\theta)$, the detection of unbound reaction product ^{2}He is achieved by measuring the two breakup protons in coincidence, two protons detected with detector telescopes which consisted of a 300 μm position-sensitive Si ΔE counter and a 5 mm Si(Li) E counter, DWBA analysis.

^{52}Cr Levels

E(level)	L†	E(level)	L†	E(level)	L†
0.0	0	5.32×10^3	4,6	7.75×10^3	5,7
2.77×10^3	4	5.99×10^3	4,5,6	9.20×10^3	5
3.11×10^3	6	6.80×10^3	5,7	10.75×10^3	6,8
4.77×10^3	4,6	7.39×10^3	5,7	11.26×10^3	6,8
				12.26×10^3	6,8

† From the comparison of experiment angular distributions and DWBA calculations.