^{109}Ag(n,γ) E=5.2 eV res 1969In02

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	G. Gürdal and F. G. Kondev	NDS 113, 1315 (2012)	1-Aug-2011

1969In02: The neutrons were produced by the electron linac at the University of Toronto. The electron beam impinged on a neutron source and produced bremsstrahlung which in turn produced neutrons through photoneutron reactions in the 1.5 mm thick silver target. The γ-rays were detected with a 33 cm^3 coaxial Ge(Li) detector. The levels in ^{110}Ag were calculated by the authors using a neutron-separation energy of 6813 keV *3*.

Others: 1970Ka05, 2000Za01.

^{110}Ag Levels

E(level)†	E(level)†	E(level)†	E(level)†
0	540 *3*	905 *3*	1200 *3*
361 *3*	597 *3*	918 *3*	1293 *3*
380 *3*	621 *3*	1018 *3*	1306 *3*
427 *3*	753 *3*	1104 *3*	1453 *3*
488 *3*	771 *3*	1111 *3*	1696 *3*
499 *3*	793 *3*	1167 *3*	1988 *3*
528 *3*	820 *3*	1178 *3*	

† From least-squares fit to Eγ's.

γ(^{110}Ag)

E_i(level)	E_γ†	E_f	E_i(level)	E_γ†	E_f	E_i(level)	E_γ†	E_f	E_i(level)	E_γ†	E_f
361	361 *3*	0	597	597 *3*	0	918	918 *3*	0	1293	1293 *3*	0
380	380 *3*	0	621	621 *3*	0	1018	1018 *3*	0	1306	1306 *3*	0
427	427 *3*	0	753	753 *3*	0	1104	1104 *3*	0	1453	1453 *3*	0
488	488 *3*	0	771	771 *3*	0	1111	1111 *3*	0	1696	1696 *3*	0
499	499 *3*	0	793	793 *3*	0	1167	1167 *3*	0	1988	1988 *3*	0
528	528 *3*	0	820	820 *3*	0	1178	1178 *3*	0			
540	540 *3*	0	905	905 *3*	0	1200	1200 *3*	0			

† From 1969In02.

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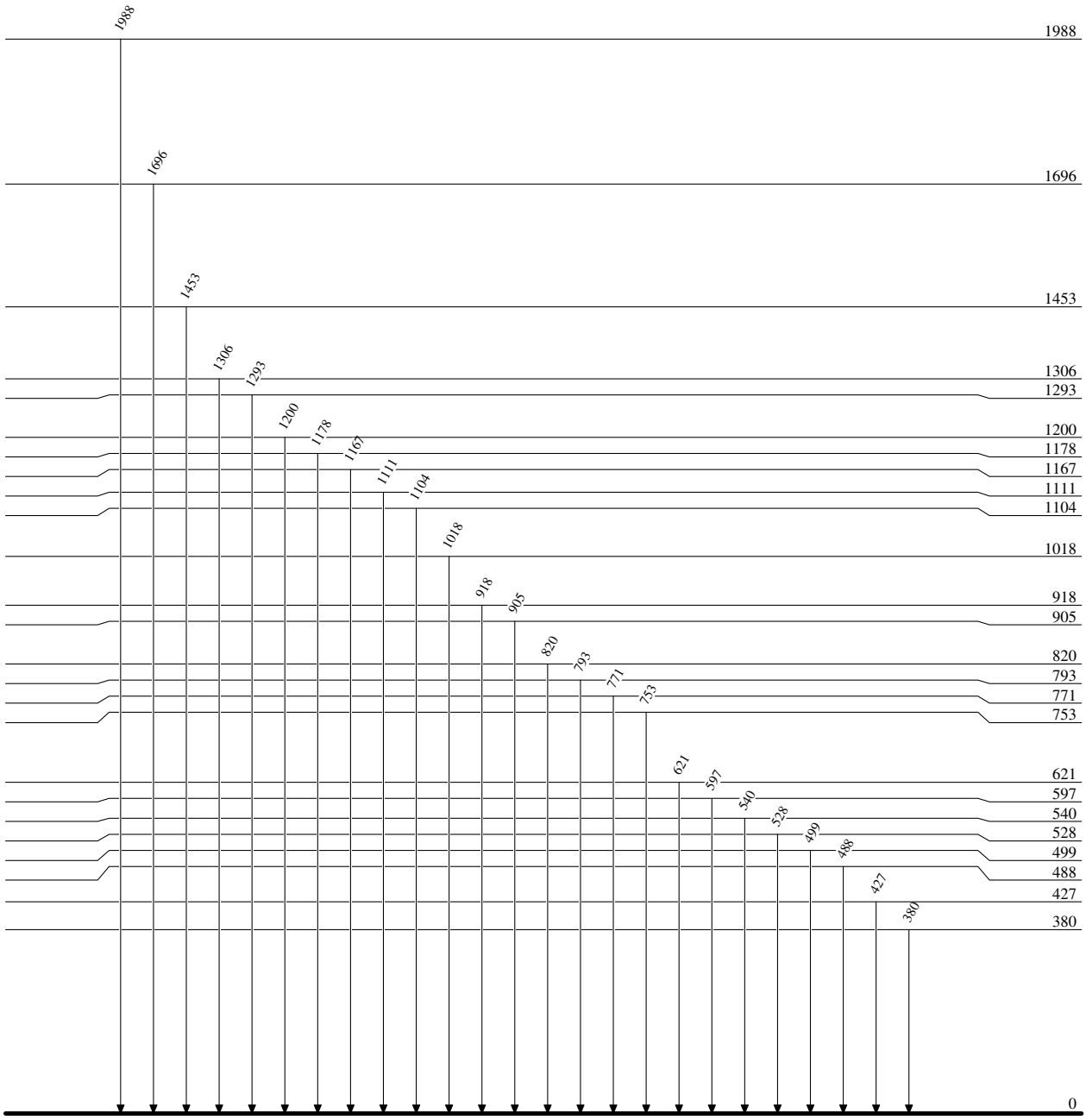
Level Scheme



$^{110}_{47}Ag_{63}$