Coulomb excitation **2001Me20,1957He48**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 105, 223 (2005)	22-Jun-2005

2001Me20: ^{26}Mg(^{80}Kr,^{80}Kr′) E=220-261 MeV. Measured Eγ, Iγ(θ,H,t), particle-γ coin; deduced B(E2) and g factors for first two 2^+ states and first 4^+ state.
1957He48: (α,α′) E=6.1-6.6 MeV.

^{80}Kr Levels

E(level)†	Jπ‡	$T_{1/2}$#	Comments
0.0	0^+		
617	2^+	7.8 ps *5*	g=+0.38 *5* (2001Me20) B(E2)↑=0.34 (1957He48) B(E2) measured relative to neighboring nuclei.
1256	2^+		g=+0.63 *36* (2001Me20)
1320	0^+		
1436	4^+	1.07 ps *15*	g=+0.46 *15* (2001Me20)
2146	4^+		

† Rounded values from Adopted Levels.
‡ From Adopted Levels.
# From Doppler-shift attenuation method (DSAM,2001Me20).

γ(^{80}Kr)

E_γ†	E_i(level)	J^π_i	E_f	J^π_f
617	617	2^+	0.0	0^+
640	1256	2^+	617	2^+
703	1320	0^+	617	2^+
710	2146	4^+	1436	4^+
819	1436	4^+	617	2^+
890	2146	4^+	1256	2^+
1256	1256	2^+	0.0	0^+
1529	2146	4^+	617	2^+

† Rounded values from Adopted Levels.

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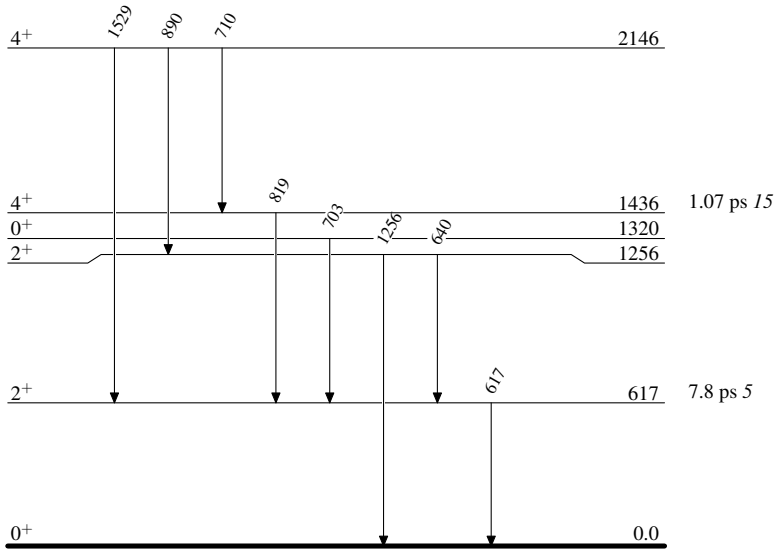
Level Scheme



$^{80}_{36}Kr_{44}$