

Adopted Levels, Gammas (continued) $\gamma(^{64}\text{Ge})$ (continued)

E _i (level)	J _i ^π	E _γ [†]	I _γ [†]	E _f	J _f ^π	Mult. [‡]	δ [‡]	Comments
5025.5		1308.5 5	100	3716.9	(5 ⁻)			
5175.2	(8 ⁺)	1768.5 5	100	3406.7	(6 ⁺)			
5180.0	(8 ⁺)	1714.4 5	100	3465.6	(6 ⁺)			
5372.9	(9 ⁻)	1127.2 4	100	4245.7	(7 ⁻)	E2		B(E2)(W.u.)≥7.3 δ(M3/E2)=-0.04 4.
6564.4	(11 ⁻)	1191.5 4	100	5372.9	(9 ⁻)			
6606.8	(10)	1234 1	100	5372.9	(9 ⁻)	D+Q	-3.5 +34-24	
7578.9	(10)	2206 1	100	5372.9	(9 ⁻)	D+Q	-6 +6-7	
8006.8	(13 ⁻)	1442.4 5	100	6564.4	(11 ⁻)			
8426.9	(12)	848 1	73 8	7578.9	(10)	Q(+O)	+0.08 5	
		1819.8 6	100 10	6606.8	(10)	Q(+O)	-0.06 7	
9299.9	(14)	873 1	100	8426.9	(12)	Q(+O)	0.00 7	

[†] From $^{12}\text{C}(^{54}\text{Fe},2\text{n}\gamma)$, $^{54}\text{Fe}(^{12}\text{C},2\text{n}\gamma)$, when a level is populated in this reaction as well as in $^{40}\text{Ca}(^{32}\text{S},2\alpha\gamma)$. Otherwise, the data are from separate reactions. Exception is for 3717 level, where branching ratios from the two reactions are averaged.

[‡] From $\gamma\gamma(\theta)$ (DCO), $\gamma(\theta)$ and γ (lin pol) data in $^{40}\text{Ca}(^{32}\text{S},2\alpha\gamma)$.

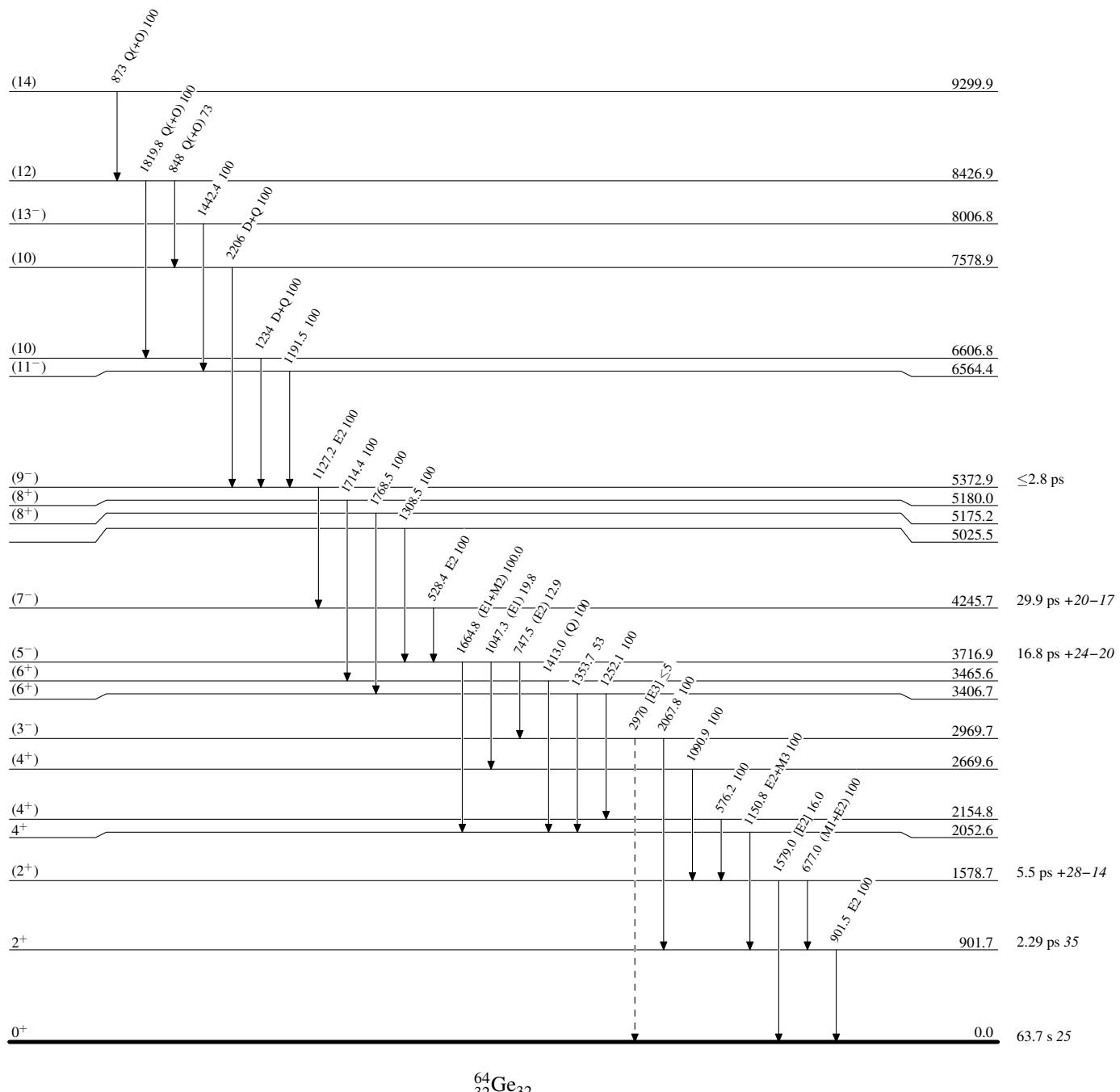
Placement of transition in the level scheme is uncertain.

Adopted Levels, Gammas

Legend

Level Scheme

Intensities: Relative photon branching from each level

-----► γ Decay (Uncertain)

Adopted Levels, GammasBand(B): Band based on $3^{(-)}$ 