	Histor	У	
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni	NDS 111,1 (2010)	1-May-2009

 $Q(\beta^-)=-1.58\times 10^4 \ syst; \ S(n)=1.568\times 10^4 \ 13; \ S(p)=4727 \ 10; \ Q(\alpha)=-2176 \ 8$ 2012Wa38 Note: Current evaluation has used the following Q record $-15824.0 \ SY1.51E+4 \ 7 \ 4.2\times 10^3 \ 6 \ -2.15\times 10^{33}$ 2009AuZZ. $\Delta Q(\beta^-)=503 \ (2009AuZZ).$

α : Additional information 1.

⁷²Kr Levels

Cross Reference (XREF) Flags

A	$(HI,xn\gamma)$	E	$^{16}O(^{58}Ni,2n\gamma)$
В	40 Ca(40 Ca, $2\alpha\gamma$)	F	Coulomb excitation
C	40 Ca(35 Cl,p2n γ)	G	$Be(^{78}Kr,X)$
D	40 Ca(36 Ar,2p2n γ)		

E(level) [†]	${\rm J}^{\pi \#}$	T _{1/2}	XREF	Comments
0.0 ^a	0+	17.1 s 2	ABCDEFG	%ε+%β ⁺ =100; %εp<1×10 ⁻⁶ (2003Pi03) $T_{1/2}$: from γ(t) in 2003Pi03. Others: 17.4 s 4 (1973Da22) and 16.7 s 6 (1973Sc17). <r<sup>2>1/2 (mass)=4.43 fm 27 (2008Ya08).</r<sup>
671.0 <i>10</i>	0^{+}	26.3 ns 21	G	$T_{1/2}$: from e(t) in Be(78 Kr,x).
709.72 ^a 14	2+	3.1 ps 4	ABCDEF	$T_{1/2}$: from B(E2) in Coulomb Excitation.
1321.40 ^a 20	4+	•	ABCDE	-12
1849.04 ^c 24	(3^{-})		D	
2112.9 ^a 3	6+		ABCDE	
2455.51 ^c 22	(5^{-})		D	
3108.4 ^a 3	8+		AB D	
3265.5° 20	(7^{-})		D	
3797.1 <mark>b</mark> 7			AB D	
4282.7 ^c 22	(9^{-})		D	
4293.3 ^a 4	10^{+}		AB D	
4756.8 <mark>b</mark> 8			AB D	
5497.0 ^c 22	(11^{-})		D	
5648.4 ^a 4	12 ⁺		AB D	
6048.8 ^b 11			AB	
6891.1 ^c 24	(13^{-})		D	
7157.2 ^a 7	14+		AB D	
7164.2 ^b 14			AB	
8447 ^c 3	(15^{-})		D	
8526.4 10	(16^{+})		AB D	
8608.5 ^b 16			AB D	E(level): Assuming that this level de-excites with the 1444 γ and is fed by the 1432 γ . The order of the 1444 and 1432 γ rays is reversed in $^{40}\text{Ca}(^{40}\text{Ca}, 2\alpha\gamma)$.
8745.1 [@] 9	(16^+)		AB	
8820.9 <mark>&</mark> <i>13</i>	(16^{+})		AB D	
9766.9 [@] 10	(18^{+})		AB	
10040.9 ^b 18	(-)		AB D	
10141 ^c 4	(17^{-})		D D	
10558.5 ^{&} 17	(18^{+})		AB D	

⁷²Kr Levels (continued)

E(level) [†]	$J^{\pi \#}$	$T_{1/2}$	XREF	E(level) [†]	$J^{\pi \#}$	XREF
11233.6 [@] 13	(20^+)		AB	16976 ^b 4		AB
11536.7 ^b 20			AB	18474 ^{&} 3	(26^+)	AB
12387.5 <mark>&</mark> 23	(20^+)		AB D	18703 [@] 4	(26^+)	AB
13135.8 ^b 23			AB	19491 ^b 4		A
13179.6 [@] <i>16</i>	(22^{+})	42 [‡] fs 22	AB	20914 ^{&} 3	(28^{+})	A
14302.6 ^{&} 24	(22^{+})	9.7 [‡] fs <i>35</i>	AB	22420 [@] 4	(28^{+})	A
14914.8 ^b 25			AB	22559 ^b 4		A
15639.6 [@] 23	(24^{+})		AB	23620 ^{&} 3	(30^{+})	A
16337 ^{&} 3	(24^{+})		AB			

[†] From least-squares fit to Ey, assuming Δ Ey=1 keV when unknown.

[‡] From DSAM in 40 Ca(40 Ca,2 $\alpha\gamma$).

 $^{^{\#}}$ From γ -ray multipolarities and band structure.

[@] Band(A): Band based on 16^+ . Q(transition)=2.00 + 36 - 28 (2007An12) from lifetime measurements using DSAM for all in-band transitions up to 26^+ . Systematic uncertainty due to stopping powers is additional 10%.

[&]amp; Band(B): Band based on 16⁺. Q(transition)=2.76 +28-22 (2007An12) from lifetime measurements using DSAM for all in-band transitions. Systematic uncertainty due to stopping powers is additional 10%.

^a Band(C): g.s. band.

^b Band(D): Side band. Q(transition)=2.40 +26-23 (2007An12) from lifetime measurements using DSAM for all in-band transitions (figure 2 in 2007An12). Systematic uncertainty due to stopping powers is additional 10%. From comparison with calculations which suggest that not all bands have positive-parity, the side band may be a negative-parity band starting with 7⁻ for the 3800-keV level and extending to 29⁻ for the 22571 level.

^c Band(E): Band based on 3⁻.

γ (72Kr)

$E_i(level)$	\mathbf{J}_i^{π}	E_{γ}	I_{γ}	E_f	\mathbf{J}_f^{π}	Mult.	α	$I_{(\gamma+ce)}$	Comments
671.0 709.72	0 ⁺ 2 ⁺	671 709.72 <i>14</i>	100	0.0	0 ⁺	E0 E2 [†]	1.17×10 ⁻³	100	$\alpha(K) = 0.001037 \ 15; \ \alpha(L) = 0.0001125 \ 16; \ \alpha(M) = 1.82 \times 10^{-5} \ 3; \\ \alpha(N) = 1.82 \times 10^{-6} \ 3; \ \alpha(N+) = 1.82 \times 10^{-6} \ 3 \\ B(E2)(W.u.) = 57 \ 8 \\ E_{\gamma}: \ weighted \ average \ of \ 710.1 \ 2 \ (^{40}Ca(^{40}Ca, 2\alpha\gamma)), \ 709.7 \ 1 \\ (^{40}Ca(^{36}Ar, 2p2n\gamma)), \ 709.1 \ 3 \ (^{16}O(^{58}Ni, 2n\gamma)), \ 709 \ 4 \ (Coulomb$
1321.40	4+	611.68 <i>14</i>	100	709.72	2+	E2 [†]	1.76×10 ⁻³		excitation). $\alpha(K)=0.001562\ 22;\ \alpha(L)=0.0001707\ 24;\ \alpha(M)=2.76\times10^{-5}\ 4;$ $\alpha(N)=2.76\times10^{-6}\ 4;\ \alpha(N+)=2.76\times10^{-6}\ 4$ E _{γ} : weighted average of 61.5.2 (40 Ca(40 Ca(20 A)), 611.6 10
1849.04	(3-)	1139.3 2	100	709.72	2+	(E1) [†]	1.84×10^{-4}		(⁴⁰ Ca(³⁶ Ar,2p2nγ)), 612.5 4 (¹⁶ O(⁵⁸ Ni,2nγ)). α (K)=0.0001489 21; α (L)=1.561×10 ⁻⁵ 22; α (M)=2.52×10 ⁻⁶ 4; α (N)=2.55×10 ⁻⁷ 4 α (N+)=1.667×10 ⁻⁵ 25
2112.9	6+	791.46 20	100	1321.40	4+	E2 [†]	8.79×10 ⁻⁴		$\alpha(K) = 0.000780 \ II; \ \alpha(L) = 8.41 \times 10^{-5} \ I2; \ \alpha(M) = 1.361 \times 10^{-5} \ I9; \ \alpha(N) = 1.366 \times 10^{-6} \ 20 \ \alpha(N+) = 1.366 \times 10^{-6} \ 20 \ E_{\gamma}; \ \text{weighted average of } 791.6 \ 2 \ (^{40}\text{Ca}(^{40}\text{Ca}, 2\alpha\gamma)), \ 791.5 \ I \ (^{40}\text{Ca}(^{36}\text{Ar}, 2\text{p2n}\gamma)), \ 790.2 \ 4 \ (^{16}\text{O}(^{58}\text{Ni}, 2\text{n}\gamma)).$
2455.51	(5-)	606 2	100 20	1849.04	(3-)	(E2) [†]	0.00181		$\alpha(K)=0.00160 \ 3; \ \alpha(L)=0.000175 \ 3; \ \alpha(M)=2.84\times10^{-5} \ 5; \ \alpha(N)=2.83\times10^{-6} \ 5; \ \alpha(N+)=2.83\times10^{-6} \ 5$
		1134.1 <i>I</i>	100 20	1321.40	4+	(E1) [†]	1.83×10 ⁻⁴		$\alpha(K)$ =0.0001501 21; $\alpha(L)$ =1.574×10 ⁻⁵ 22; $\alpha(M)$ =2.54×10 ⁻⁶ 4; $\alpha(N)$ =2.57×10 ⁻⁷ 4 $\alpha(N+)$ =1.500×10 ⁻⁵ 22
3108.4	8+	995.50 9	100	2112.9	6+	E2 [†]	5.01×10^{-4}		$\alpha(K)=0.000445\ 7;\ \alpha(L)=4.75\times10^{-5}\ 7;\ \alpha(M)=7.69\times10^{-6}\ 11;$ $\alpha(N)=7.74\times10^{-7}\ 11;\ \alpha(N+)=7.74\times10^{-7}\ 11$ E _{\gamma} : weighted average of 995.5 2 (40 Ca(40 Ca(20 Ca(20 Y)), 995.5 1
3265.5	(7-)	810 2	100	2455.51	(5 ⁻)	(E2) [†]	8.28×10 ⁻⁴ <i>13</i>		(⁴⁰ Ca(³⁶ Ar,2p2nγ)). Other: 996 (HI,xnγ). α (K)=0.000735 12; α (L)=7.92×10 ⁻⁵ 13; α (M)=1.281×10 ⁻⁵ 20; α (N)=1.287×10 ⁻⁶ 20
3797.1		1684.4 7	100	2112.9	6+				$\alpha(N+)=1.287\times10^{-6} \ 20$ E_{γ} : weighted average of 1685 I (40 Ca(40 Ca,2 $\alpha\gamma$)), 1683.9 9 (40 Ca(36 Ar,2p2n γ)). Other: 1685 (HI,xn γ).
4282.7	(9-)	1017.2 8	100	3265.5	(7-)	(E2) [†]	4.76×10^{-4}		$\alpha(K)=0.000423 \ 6; \ \alpha(L)=4.52\times10^{-5} \ 7; \ \alpha(M)=7.31\times10^{-6} \ 11;$ $\alpha(N)=7.36\times10^{-7} \ 11; \ \alpha(N+)=7.36\times10^{-7} \ 11$
4293.3	10 ⁺	1184.96 <i>24</i>	100	3108.4	8+	E2 [†]	3.44×10^{-4}		$\alpha(K)$ =0.000300 5; $\alpha(L)$ =3.19×10 ⁻⁵ 5; $\alpha(M)$ =5.16×10 ⁻⁶ 8; $\alpha(N)$ =5.20×10 ⁻⁷ 8; $\alpha(N+)$ =6.78×10 ⁻⁶ 10

γ (72Kr) (continued)

$E_i(level)$	\mathbf{J}_i^{π}	E_{γ}	${ m I}_{\gamma}$	$\mathrm{E}_f \qquad \mathrm{J}_f^\pi$	Mult.	α	Comments
D _l (level)	i	Σγ	<u> </u>	$\underline{z_j}$	Triuit.	u	$\alpha(K)=0.000300\ 5;\ \alpha(L)=3.19\times10^{-5}\ 5;\ \alpha(M)=5.16\times10^{-6}\ 8;\ \alpha(N)=5.20\times10^{-7}\ 8;$
							$\alpha(N+)=6.78\times10^{-6}\ 10$
							E_{γ} : weighted average of 1184.9 2 (40 Ca(40 Ca, $^{2}\alpha\gamma$)), 1185.9 8
							$^{(40}\text{Ca}(^{36}\text{Ar},2\text{p2n}\gamma))$. Other: 1186 (HI,xn γ).
4756.8		959.9 8	<100	3797.1			E _{γ} : weighted average of 959.1 8 (40 Ca(40 Ca,2 $\alpha\gamma$)), 960.0 3 (40 Ca(36 Ar,2p2n γ)). Other: 960 (HI,xn γ).
		1648 <i>I</i>	<100	3108.4 8+			E _y : From ${}^{40}\text{Ca}({}^{40}\text{Ca}, 2\alpha\gamma)$, other: 1653 (HI,xny), not observed by ${}^{40}\text{Ca}({}^{36}\text{Ar}, 2\text{p2ny})$. Other: 1643 (HI,xny).
5497.0	(11 ⁻)	1214.3 5	100	4282.7 (9-	$(E2)^{\dagger}$	3.31×10^{-4}	$\alpha(K) = 0.000285 \ 4; \ \alpha(L) = 3.02 \times 10^{-5} \ 5; \ \alpha(M) = 4.88 \times 10^{-6} \ 7; \ \alpha(N) = 4.93 \times 10^{-7} \ 7;$
#<10.1	4.0.1		100	1202 2 101	+	204 40 4	$\alpha(N+)=1.091\times10^{-5}$ 18
5648.4	12+	1355.08 9	100	4293.3 10 ⁺	E2 [†]	2.94×10^{-4}	$\alpha(K)$ =0.000226 4; $\alpha(L)$ =2.39×10 ⁻⁵ 4; $\alpha(M)$ =3.86×10 ⁻⁶ 6; $\alpha(N)$ =3.90×10 ⁻⁷ 6; $\alpha(N+)$ =4.11×10 ⁻⁵ 6
							E _γ : weighted average of 1354.9 3 (40 Ca(40 Ca,2αγ)), 1355.1 I
							$(^{40}\text{Ca}(^{36}\text{Ar},2\text{p2n}\gamma))$. Other: 1356 (HI,xn γ).
6048.8		1292.0 8	100	4756.8	4.	4	E_{γ} : from 40 Ca(40 Ca, $2\alpha\gamma$), other: 1292 (HI,xn γ).
6891.1	(13 ⁻)	1394 <i>I</i>	100	5497.0 (11	-) (E2) [†]	2.90×10^{-4}	$\alpha(K)=0.000213\ 3;\ \alpha(L)=2.25\times10^{-5}\ 4;\ \alpha(M)=3.64\times10^{-6}\ 6;\ \alpha(N)=3.68\times10^{-7}\ 6;\ \alpha(N+)=5.11\times10^{-5}\ 8$
7157.2	14+	1508.7 6	100	5648.4 12+	E2 [†]	2.92×10^{-4}	$\alpha(K)=0.000181 \ 3; \ \alpha(L)=1.91\times10^{-5} \ 3; \ \alpha(M)=3.09\times10^{-6} \ 5; \ \alpha(N)=3.13\times10^{-7} \ 5; \ \alpha(N+)=8.85\times10^{-5} \ 13$
							E_{γ} : weighted average of 1509.2 3 (40 Ca(40 Ca,2 $\alpha\gamma$)), 1508.1 3
							$(^{40}\text{Ca}(^{36}\text{Ar},2p2n\gamma))$. Other: 1510 (HI,xn γ).
7164.2		1115.4 8	100	6048.8			E_{γ} : from 40 Ca(40 Ca, $2\alpha\gamma$), other: 1116 (HI,xn γ).
8447	(15 ⁻)	1556 2	100	6891.1 (13	-) (E2) [†]	2.98×10^{-4}	$\alpha(K)$ =0.0001704 25; $\alpha(L)$ =1.80×10 ⁻⁵ 3; $\alpha(M)$ =2.91×10 ⁻⁶ 5; $\alpha(N)$ =2.94×10 ⁻⁷ 5 $\alpha(N+)$ =0.0001072 18
8526.4	(16^+)	1368.9 8	100	7157.2 14+	†		E _y : weighted average of 1369.2 8 (40 Ca(40 Ca, $^{2}\alpha\gamma$)), 1367 2 (40 Ca(36 Ar, 2 p2n γ)).
							Other: 1368 (HI,xny).
							Mult.: (D) in ${}^{40}\text{Ca}({}^{36}\text{Ar},2\text{p}2\text{n}\gamma)$. The other two high-spin datasets would give a Q value based on the level scheme.
8608.5		1444.3 [#] 9	100	7164.2			
8745.1	(16^{+})	1588.2 6	100	7157.2 14+	Q [‡]		E_{γ} : from 40 Ca(40 Ca, $^{2}\alpha\gamma$), other: 1586 (HI,xn γ).
8820.9	(16 ⁺)	1663.5 <i>11</i>	100	7157.2 14+	(E2) [†]	3.21×10^{-4}	
							E _γ : weighted average of 1661.9 6 (40 Ca(40 Ca,2 α γ)), 1664.2 4 (40 Ca(36 Ar,2p2nγ)). Other: 1665 (HI,xnγ).
9766.9	(18^+)	1021.9 6	100 11	8745.1 (16	+) Q [‡]		E_{γ} : from 40 Ca(40 Ca, $2\alpha\gamma$), other: 1021 (HI,xn γ).
7,00.7	(10)	1021.7 0 1240 <i>I</i>	56 11	8526.4 (16			E_{γ} : from 40 Ca(40 Ca, $^{2}\alpha\gamma$), other: 1241 (HI,xn γ).
10040.9		1432.4 8	100	8608.5	,		E _y : weighted average of 1432.1 9 (40 Ca(40 Ca,2 $\alpha\gamma$)), 1434 2 (40 Ca(36 Ar,2p2n γ)).
							Other: 1435 (HI,xny).

γ (⁷²Kr) (continued)

E	$\Xi_i(\text{level})$	\mathbf{J}_i^{π}	E_{γ}	I_{γ}	\mathbf{E}_f	\mathbf{J}_f^{π}	Mult.	α	Comments
1	10141	(17-)	1694 [#] 2	100	8447	(15 ⁻)	(E2) [†]	3.29×10 ⁻⁴	$\alpha(K)$ =0.0001443 21; $\alpha(L)$ =1.519×10 ⁻⁵ 22; $\alpha(M)$ =2.46×10 ⁻⁶ 4; $\alpha(N)$ =2.49×10 ⁻⁷ 4 $\alpha(N+)$ =0.0001666 25
1	10558.5	(18+)	1737.3 <i>13</i>	100 13	8820.9	(16+)	(E2) [†]	3.40×10^{-4}	$\alpha(\mathrm{K}) = 0.0001375$ 20; $\alpha(\mathrm{L}) = 1.446 \times 10^{-5}$ 21; $\alpha(\mathrm{M}) = 2.34 \times 10^{-6}$ 4; $\alpha(\mathrm{N}) = 2.37 \times 10^{-7}$ 4 $\alpha(\mathrm{N}+) = 0.000186$ 3
									E_{γ} : weighted average of 1738.6 6 (40 Ca(40 Ca,2αγ)), 1736.0 6 (40 Ca(36 Ar,2p2nγ)). Other: 1741 (HI,xnγ).
			1816 <i>4</i>		8745.1	(16+)			E_{γ} : Observed only by (HI,xn γ). DE γ was taken as 3.7 keV=1741 - 1737.3, that is, the difference between the adopted energy and that from the (HI,xn γ) dataset for the other gamma from the same level.
1	11233.6	(20^+)	1466.7 8	100	9766.9	(18^{+})	Q [‡]		E_{γ} : from 40 Ca(40 Ca, $2\alpha\gamma$), other: 1467 (HI,xn γ).
1	11536.7		1495.8 9	100	10040.9				E_{γ} : from 40 Ca(40 Ca, $2\alpha\gamma$), other: 1497 (HI,xn γ).
1	12387.5	(20+)	1829 2	100	10558.5	(18+)	(E2) [†]	3.67×10^{-4}	$\alpha(K)$ =0.0001247 18; $\alpha(L)$ =1.310×10 ⁻⁵ 19; $\alpha(M)$ =2.12×10 ⁻⁶ 3; $\alpha(N)$ =2.15×10 ⁻⁷ 3 $\alpha(N+)$ =0.000227 4
									E_{γ} : weighted average of 1830 I (40 Ca(40 Ca, 2 α $^{\gamma}$)), 1825 2 (40 Ca(36 Ar, 2 p2n $^{\gamma}$)). Other: 1832 (HI,xn $^{\gamma}$).
	13135.8		1599 <i>1</i>	100	11536.7				
	13179.6	(22+)	1946 <i>I</i>	100	11233.6	(20^{+})	E2	4.08×10^{-4}	$\alpha(K)$ =0.0001111 16; $\alpha(L)$ =1.166×10 ⁻⁵ 17; $\alpha(M)$ =1.89×10 ⁻⁶ 3; $\alpha(N)$ =1.91×10 ⁻⁷ 3 $\alpha(N+)$ =0.000283 4
									B(E2)(W.u.)=27 15 E _{γ} : from ⁴⁰ Ca(⁴⁰ Ca,2 $\alpha\gamma$), other: 1949 (HI,xn γ).
									Mult.: ${}^{40}\text{Ca}({}^{40}\text{Ca}, 2\alpha\gamma)$, gives My=Q. If it were M2, it would have
									B(M2)(W.u.)=1.5×10 ³ , which is larger than the recommended upper limit of 1. As a result M γ =E2 is adopted.
1	14302.6	(22^{+})	1915 <i>1</i>	100	12387.5	(20^+)	(E2)	3.96×10^{-4}	$\alpha(K) = 0.0001144 \ 16; \ \alpha(L) = 1.202 \times 10^{-5} \ 17; \ \alpha(M) = 1.94 \times 10^{-6} \ 3; \ \alpha(N) = 1.97 \times 10^{-7} \ 3$
									α(N+)=0.000268 4
									$B(E2)(W.u.)=1.3\times10^2 5$
									E_{γ} : from 40 Ca(40 Ca, $^{2}\alpha\gamma$), other: 1917 (HI,xn γ). Mult.: (Q) from Level scheme, (M2) is ruled out as it would have
									B(M2)(W.u.)=7.×10 ³ , which is larger than the recommended upper limit of 1. As a result $M\gamma$ =(E2) is adopted.
1	14914.8		1779 <i>1</i>	100	13135.8				E_{γ} : from 40 Ca(40 Ca, $^{2}\alpha\gamma$), other: 1778 (HI,xn γ).
	15639.6	(24^{+})	2460 2	100	13179.6	(22^{+})			E_{γ} : from 40 Ca(40 Ca, $^{2}\alpha\gamma$), other: 2468 (HI,xn γ).
	16337	(24+)	2034 1	100	14302.6				E_{γ} : from 40 Ca(40 Ca, $2\alpha\gamma$), other: 2038 (HI,xn γ).
1	16976		2061 3	100	14914.8				E_{γ} : from 40 Ca(40 Ca, $^{2}\alpha\gamma$), other: 2062 (HI,xn γ).
1	18474	(26^{+})	2137 <mark>#</mark> 2	100 20	16337	(24^{+})			E_{γ} : from 40 Ca(40 Ca, $^{2}\alpha\gamma$), other: 2143 (HI,xn γ).
			2834 [#] <i>3</i>	<100	15639.6	(24^{+})			E_{γ} : from 40 Ca(40 Ca, $^{2}\alpha\gamma$), other: 2836 (HI,xn γ).
	18703	(26^{+})	3063 <i>3</i>	100	15639.6	(24^{+})			E_{γ} : from 40 Ca(40 Ca, $^{2}\alpha\gamma$), other: 3059 (HI,xn γ).
	19491	(20±)	2515	100	16976	(2C+)			
1 2	20914	(28^{+})	2440	100	18474	(26^{+})			

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$E_i(level)$	J_i^{π}	E_{γ}	I_{γ}	E_f	\mathbf{J}_f^{π}
22420	(28+)	3717 [#]	100	18703	(26+)
22559		3068	100	19491	
23620	(30^+)	2706	100	20914	(28^{+})

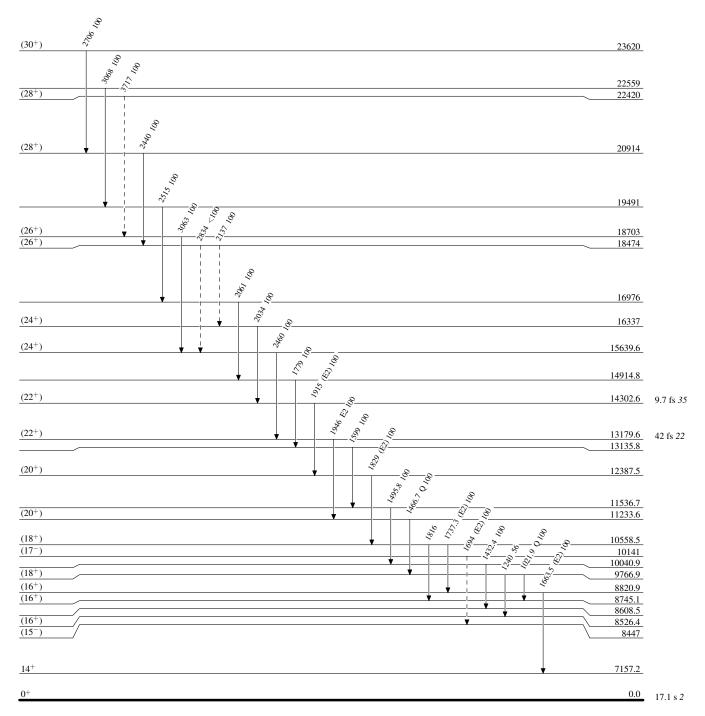
[†] From 40 Ca(36 Ar,2p2n γ). [‡] From 40 Ca(40 Ca,2 $\alpha\gamma$). [#] Placement of transition in the level scheme is uncertain.

Legend

Level Scheme

Intensities: Relative photon branching from each level

---- γ Decay (Uncertain)



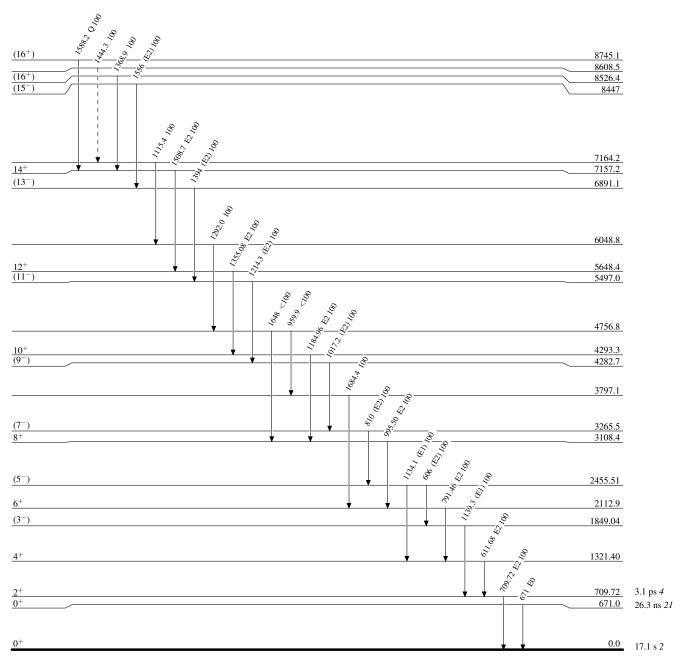
 $^{72}_{36} \rm Kr_{36}$

Legend

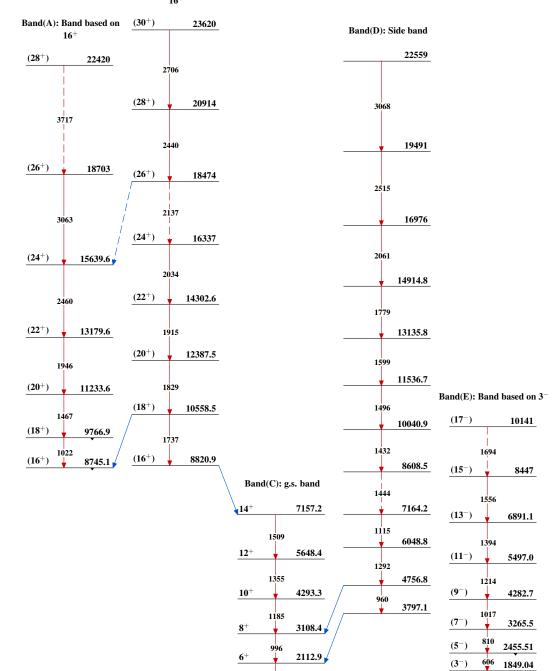
Level Scheme (continued)

Intensities: Relative photon branching from each level

---- γ Decay (Uncertain)







$$^{72}_{36} {\rm Kr}_{36}$$

791

612

710

1321.40

709.72

0.0