NUCLIDE ground state

Nuclide | Symbol | Z | N | A | Z range 28 40 | N range | A range | Z N A even | Z N A odd

More fields : Q-values, separation energies, atomic masses, radius

LEVELS

Energy ≤ keV ≤

Decays B.R. ≤ % ≤ Only Ground State and Metastables

Half Life 3.68E-8 fs ≤ $T_{1/2}$ ≤ 7.7E24 y Stable

Isospin

J weak order π any

More fields : nuclear moments

GAMMA transitions

Energy ≤ keV ≤

Final level ≤ keV ≤ J order π any

More fields : conversion coefficients, multipolarity, mixing ratio

DECAY radiation emitted by the daughter

Type any α β- β+ γ e

delayed n p α

Energy ≤ keV ≤ only 2 most intense lines

Intensity ≤ % ≤

Max En. ≤ keV ≤ ≤ log FT ≤

Order by : Z , A

Z A N Q(β) Q(α) Q(EC) Q(β- n) Sn Sp R AM E $T_{1/2}$ BR μ Q Erad Irad

Log ft HF Eγ α B(E) B(M) δ

PLOTTING

X axis: None **Y axis:** None

Relational ENSDF
April 2023 snapshot
of the ENSDF database
maintained by the
International Nuclear Structure and Decay Data Network under the auspices of the IAEA

Query & Plot Examples

1 Ground States T1/2
2 Sn for Led
3 Mixing ratio vs A
4 Delayed-n radiation

More examples ...

Previous queries

1 23:13:33
2 23:13:52
3 23:14:9
4 23:17:17
5 23:20:10
6 23:20:45

email: nds.contact-point@iaea.org

Reset Search Plot **Show Chart** Guide

You requested: 28 ≤ **Z** ≤40 **Radiation** type β+

Click on a column header to open the guide

Uncertainty for numeric values refers to the last digits of the value: **12.1 *23* means 12.1 ± 2.3**

1678 rows retrieved

Data from: ENSDF apart Q from **AME2020** • Definitions & Sources

Comments

Click on a nuclide symbol to **show the decay schema**

Electron Capture and Beta+

CSV Data API

#	<Eβ+> [keV]	Iβ+(abs) [%]	EEC [keV]	IEC(abs) [%]	Daughter level [keV]	Jπ	Log*ft*	Transition type	Comments	Parent	$T_{1/2}$	E_x [keV]	Jp order	Decay	Q_{decay}[keV] see the note	Daught
1			(13279)		170+X					$^{50}_{28}Ni_{22}$	18.5 ms *12*	0	0+	ec β+ 100 %	14129 *516*	$^{50}_{27}Co_{23}$
2	3585 *34*	**14 *5***	(8614)	0.015 *5*	4835 *47*	(0)+	3.42 *16*	super allowed		$^{50}_{28}Ni_{22}$	18.5 ms *12*	0	0+	ec β+ 100 %	14129 *516*	$^{50}_{27}Co_{23}$
3			(7589)		2931 *30*	0+		super allowed		$^{52}_{28}Ni_{24}$	40.8 ms *2*	0	0+	ec β+ 100 %	11784 *83*	$^{52}_{27}Co_{25}$
4			(13280)		0	(7/2-)		allowed		$^{53}_{28}Ni_{25}$	55.2 ms *7*	0.0	(7/2-)	ec β+ 100 %	13029 *25*	$^{53}_{27}Co_{26}$
5	3697 *89*	**45.0**	(8890)	0.0 *0*	4390 ≈	(7/2-)	3.4	allowed		$^{53}_{28}Ni_{25}$	55.2 ms *7*	0.0	(7/2-)	ec β+ 100 %	13029 *25*	$^{53}_{27}Co_{26}$
6	1144 *24*	0.020 *10*	(3588)	0.0005 *3*	5202.4 *5*	1+	4.88 *22*	allowed		$^{54}_{28}Ni_{26}$	114.2 ms *3*	0.0	0+	ec β+ 100 %	8732 *5*	$^{54}_{27}Co_{27}$
7	1324 *24*	0.120 *10*	(3967)	0.00213 *21*	4822.8 *7*	1+	4.37 *5*	allowed		$^{54}_{28}Ni_{26}$	114.2 ms *3*	0.0	0+	ec β+ 100 %	8732 *5*	$^{54}_{27}Co_{27}$
8	1457 *24*	0.15 *5*	(4246)	0.0020 *7*	4543.8 *4*	1+	4.46 *15*	allowed		$^{54}_{28}Ni_{26}$	114.2 ms *3*	0.0	0+	ec β+ 100 %	8732 *5*	$^{54}_{27}Co_{27}$
9	1562 *24*	0.11 *10*	(4467)	0.0012 *12*	4323.0 *7*	1+	4.7 *4*	allowed		$^{54}_{28}Ni_{26}$	114.2 ms *3*	0.0	0+	ec β+ 100 %	8732 *5*	$^{54}_{27}Co_{27}$
10	1577 *24*	0.21 *3*	(4497)	0.0023 *4*	4293.4 *10*	1+	4.46 *7*	allowed		$^{54}_{28}Ni_{26}$	114.2 ms *3*	0.0	0+	ec β+ 100 %	8732 *5*	$^{54}_{27}Co_{27}$
11	1771 *25*	0.37 *4*	(4900)	0.0029 *4*	3889.6 *2*	1+	4.43 *6*	allowed		$^{54}_{28}Ni_{26}$	114.2 ms *3*	0.0	0+	ec β+ 100 %	8732 *5*	$^{54}_{27}Co_{27}$
12	2019 *25*	0.37 *3*	(5414)	0.00199 *18*	3376.1 *2*	1+	4.67 *5*	allowed		$^{54}_{28}Ni_{26}$	114.2 ms *3*	0.0	0+	ec β+ 100 %	8732 *5*	$^{54}_{27}Co_{27}$
13	2482 *25*	0.16 *3*	(6365)	0.00048 *10*	2424.6 *3*	1+	5.43 *9*	allowed		$^{54}_{28}Ni_{26}$	114.2 ms *3*	0.0	0+	ec β+ 100 %	8732 *5*	$^{54}_{27}Co_{27}$
14	3211 *25*	19.8 *12*	(7853)	0.0288 *19*	936.7 *1*	1+	3.84 *3*	allowed		$^{54}_{28}Ni_{26}$	114.2 ms *3*	0.0	0+	ec β+ 100 %	8732 *5*	$^{54}_{27}Co_{27}$
15	3673 *25*	**79.1 *12***	(8790)	0.0785 *21*	0.0	0+	3.501 *15*	super allowed		$^{54}_{28}Ni_{26}$	114.2 ms *3*	0.0	0+	ec β+ 100 %	8732 *5*	$^{54}_{27}Co_{27}$
16	3624 *6*	**≈ 100**	(8692)	≈ 0.103	0.0	7/2-	≈ 3.6	allowed		$^{55}_{28}Ni_{27}$	203.7 ms *20*	0.0	7/2-	ec β+ 100 %	8694.0 *8*	$^{55}_{27}Co_{28}$
17			(416)	100 *0*	1720.19 *5*	1+	4.4	allowed		$^{56}_{28}Ni_{28}$	6.075 d *10*	0.0	0+	ec β+ 100 %	2132.9 *6*	$^{56}_{27}Co_{29}$
18			(685)	< 0.50	1450.69 *5*	0+	> 7.1	super allowed		$^{56}_{28}Ni_{28}$	6.075 d *10*	0.0	0+	ec β+ 100 %	2132.9 *6*	$^{56}_{27}Co_{29}$
19	65 *5*	**< 1.2E-3**	(1166)	< 0.77	970.24 *4*	2+	> 7.4	2nd non-unique		$^{56}_{28}Ni_{28}$	6.075 d *10*	0.0	0+	ec β+ 100 %	2132.9 *6*	$^{56}_{27}Co_{29}$
20	408 *5*	< 5.8E-5	(1978)	< 4.8E-4	158.38 *3*	3+	> 11.4	2nd unique		$^{56}_{28}Ni_{28}$	6.075 d *10*	0.0	0+	ec β+ 100 %	2132.9 *6*	$^{56}_{27}Co_{29}$
21	478 *5*	< 6.0E-5	(2136)	< 2.2E-5	0.0	4+	> 12.5	4th non-unique		$^{56}_{28}Ni_{28}$	6.075 d *10*	0.0	0+	ec β+ 100 %	2132.9 *6*	$^{56}_{27}Co_{29}$
22			(87)	0.0208 *11*	3177.41 *4*	5/2-,7/2-	6.06 *4*			$^{57}_{28}Ni_{29}$	35.60 h *6*	0.0	3/2-	ec β+ 100 %	3261.7 *8*	$^{57}_{27}Co_{30}$
23			(156)	0.060 *3*	3108.12 *7*	(3/2)-	6.13 *3*	allowed		$^{57}_{28}Ni_{29}$	35.60 h *6*	0.0	3/2-	ec β+ 100 %	3261.7 *8*	$^{57}_{27}Co_{30}$
24			(460)	0.291 *8*	2804.27 *4*	(3/2-,5/2)	6.41 *1*			$^{57}_{28}Ni_{29}$	35.60 h *6*	0.0	3/2-	ec β+ 100 %	3261.7 *8*	$^{57}_{27}Co_{30}$
25			(533)	0.0199 *7*	2730.91 *4*	3/2-,5/2	7.70 *2*			$^{57}_{28}Ni_{29}$	35.60 h *6*	0.0	3/2-	ec β+ 100 %	3261.7 *8*	$^{57}_{27}Co_{30}$
26			(1131)	0.0340 *19*	2133.08 *5*	5/2-	8.13 *2*	allowed		$^{57}_{28}Ni_{29}$	35.60 h *6*	0.0	3/2-	ec β+ 100 %	3261.7 *8*	$^{57}_{27}Co_{30}$
27	139.0 *11*	0.444 *20*	(1345)	11.9 *4*	1919.55 *5*	5/2-	5.74 *2*	allowed		$^{57}_{28}Ni_{29}$	35.60 h *6*	0.0	3/2-	ec β+ 100 %	3261.7 *8*	$^{57}_{27}Co_{30}$
28	206.5 *11*	0.80 *4*	(1507)	4.86 *18*	1757.58 *3*	3/2-	6.22 *2*	allowed		$^{57}_{28}Ni_{29}$	35.60 h *6*	0.0	3/2-	ec β+ 100 %	3261.7 *8*	$^{57}_{27}Co_{30}$
29	313.7 *11*	7.04 *22*	1734 *15*	10.0 *3*	1504.81 *4*	1/2-	6.05 *1*	allowed		$^{57}_{28}Ni_{29}$	35.60 h *6*	0.0	3/2-	ec β+ 100 %	3261.7 *8*	$^{57}_{27}Co_{30}$
30	368.7 *11*	**35.3 *13***	1871 *10*	29.2 *11*	1377.65 *5*	3/2-	5.64 *2*	allowed		$^{57}_{28}Ni_{29}$	35.60 h *6*	0.0	3/2-	ec β+ 100 %	3261.7 *8*	$^{57}_{27}Co_{30}$
31			(-26.26)	≈ 0.0034	1099.256 *3*	3/2-		allowed		$^{59}_{28}Ni_{31}$	7.6 x 10^4 y *5*	0.0	3/2-	ec β+ 100 %	1073.0 *5*	$^{59}_{27}Co_{32}$
32	24.7 *3*	**0.000037 *12***	(1072.99)	99.99696 *1*	0.0	7/2-	11.89 *3*	2nd non-unique		$^{59}_{28}Ni_{31}$	7.6 x 10^4 y *5*	0.0	3/2-	ec β+ 100 %	1073.0 *5*	$^{59}_{27}Co_{32}$
33	3590 *79*	4.0 *8*	(8624)	0.0048 *10*	5075.5 *9*		4.4 *1*			$^{55}_{29}Cu_{26}$	55.9 ms *18*	0	(3/2-)	ec β+ 100 %	13701 *156*	$^{55}_{28}Ni_{27}$
34	3825 *79*	**47.3 *8***	(9101)	0.048 *3*	4599.3 *4*	(3/2-)	3.49 *5*	allowed		$^{55}_{29}Cu_{26}$	55.9 ms *18*	0	(3/2-)	ec β+ 100 %	13701 *156*	$^{55}_{28}Ni_{27}$
35	3835 *79*	18.8 *7*	(9121)	0.0189 *14*	4579.4 *5*	(3/2-)	3.89 *5*	allowed		$^{55}_{29}Cu_{26}$	55.9 ms *18*	0	(3/2-)	ec β+ 100 %	13701 *156*	$^{55}_{28}Ni_{27}$
36	4108 *80*	4.3 *3*	(9673)	0.0036 *3*	4026.8 *6*	(1/2-,3/2-)	4.67 *5*			$^{55}_{29}Cu_{26}$	55.9 ms *18*	0	(3/2-)	ec β+ 100 %	13701 *156*	$^{55}_{28}Ni_{27}$
37	4217 *80*	< 0.6	(9892)		3808.3 *8* ?	(1/2-,3/2-)	> 5.6			$^{55}_{29}Cu_{26}$	55.9 ms *18*	0	(3/2-)	ec β+ 100 %	13701 *156*	$^{55}_{28}Ni_{27}$
38	4323 *80*	0.5 *5*	(10106)		3593.7 *6*	(5/2-)	5.7 *5*	allowed		$^{55}_{29}Cu_{26}$	55.9 ms *18*	0	(3/2-)	ec β+ 100 %	13701 *156*	$^{55}_{28}Ni_{27}$
39	4511 *80*	2.3 *5*	(10486)	0.0015 *3*	3214.1 *7*	(1/2-)	5.1 *1*	allowed		$^{55}_{29}Cu_{26}$	55.9 ms *18*	0	(3/2-)	ec β+ 100 %	13701 *156*	$^{55}_{28}Ni_{27}$
40	4526 *80*	< 0.9	(10517)		3182.7 *4* ?	(5/2-)	> 5.5	allowed		$^{55}_{29}Cu_{26}$	55.9 ms *18*	0	(3/2-)	ec β+ 100 %	13701 *156*	$^{55}_{28}Ni_{27}$
41	4715 *80*	4.5 *7*	(10898)	0.0025 *4*	2802.0 *4*	(1/2-)	4.9 *1*	allowed		$^{55}_{29}Cu_{26}$	55.9 ms *18*	0	(3/2-)	ec β+ 100 %	13701 *156*	$^{55}_{28}Ni_{27}$
42	4822 *80*	1.6 *5*	(11113)		2586.9 *5*	(5/2-)	5.4 *2*	allowed		$^{55}_{29}Cu_{26}$	55.9 ms *18*	0	(3/2-)	ec β+ 100 %	13701 *156*	$^{55}_{28}Ni_{27}$
43	4882 *80*	7.5 *12*	(11234)	0.0038 *6*	2465.5 *4*	(3/2-)	4.8 *1*	allowed		$^{55}_{29}Cu_{26}$	55.9 ms *18*	0	(3/2-)	ec β+ 100 %	13701 *156*	$^{55}_{28}Ni_{27}$
44	5071 *80*	6.6 *9*	(11614)	0.0030 *4*	2085.4 *4*	3/2-	4.9 *1*	allowed		$^{55}_{29}Cu_{26}$	55.9 ms *18*	0	(3/2-)	ec β+ 100 %	13701 *156*	$^{55}_{28}Ni_{27}$
45	6107 *80*	2.2 *11*	(13700)		0.0 ?	7/2-	5.8 *2*	2nd non-unique		$^{55}_{29}Cu_{26}$	55.9 ms *18*	0	(3/2-)	ec β+ 100 %	13701 *156*	$^{55}_{28}Ni_{27}$
46	3633 *69*	7.6 *17*	(8711)	0.0089 *21*	6588.6 *8*	(3+)	4.40 *11*	allowed		$^{56}_{29}Cu_{27}$	80.4 ms *8*	0	(4+)	ec β+ 100 %	15278 *6*	$^{56}_{28}Ni_{28}$
47	3711 *70*	**67 *4***	(8868)	0.074 *6*	6431.9 *7*	4+	3.50 *5*	allowed		$^{56}_{29}Cu_{27}$	80.4 ms *8*	0	(4+)	ec β+ 100 %	15278 *6*	$^{56}_{28}Ni_{28}$
48	3930 *70*	11.6 *19*	(9312)	0.0109 *19*	5988.1 *6*	(3+,4+,5+)	4.37 *8*			$^{56}_{29}Cu_{27}$	80.4 ms *8*	0	(4+)	ec β+ 100 %	15278 *6*	$^{56}_{28}Ni_{28}$
49	4181 *70*	10.0 *21*	(9819)	0.0079 *17*	5481.2 *5*	(4+)	4.56 *10*	allowed		$^{56}_{29}Cu_{27}$	80.4 ms *8*	0	(4+)	ec β+ 100 %	15278 *6*	$^{56}_{28}Ni_{28}$
50	4451 *70*	10 *3*	(10364)	0.0066 *20*	4935.5 *6*	(3+)	4.68 *14*	allowed		$^{56}_{29}Cu_{27}$	80.4 ms *8*	0	(4+)	ec β+ 100 %	15278 *6*	$^{56}_{28}Ni_{28}$
51	4952 *70*	22 *7*	(11375)	0.011 *3*	3925.2 *4*	4+	4.55 *15*	allowed		$^{56}_{29}Cu_{27}$	80.4 ms *8*	0	(4+)	ec β+ 100 %	15278 *6*	$^{56}_{28}Ni_{28}$
52	2078 *8*	< 0.06	(5540)		3230.1 *7*	7/2-	> 5.8	2nd non-unique		$^{57}_{29}Cu_{28}$	196.3 ms *7*	0.0	3/2-	ec β+ 100 %	8774.9 *8*	$^{57}_{28}Ni_{29}$
53	2188 *8*	0.35 *4*	(5763)		3007.1 *10*	3/2-	5.08 *5*	allowed		$^{57}_{29}Cu_{28}$	196.3 ms *7*	0.0	3/2-	ec β+ 100 %	8774.9 *8*	$^{57}_{28}Ni_{29}$
54	2397 *8*	< 0.03	(6193)		2577.4 *5*	7/2-	> 6.3	2nd non-unique		$^{57}_{29}Cu_{28}$	196.3 ms *7*	0.0	3/2-	ec β+ 100 %	8774.9 *8*	$^{57}_{28}Ni_{29}$
55	2463 *8*	0.17 *3*	(6327)		2443.3 *5*	5/2-	5.62 *8*	allowed		$^{57}_{29}Cu_{28}$	196.3 ms *7*	0.0	3/2-	ec β+ 100 %	8774.9 *8*	$^{57}_{28}Ni_{29}$
56	3115 *8*	8.6 *6*	(7657)		1112.6 *5*	1/2-	4.37 *3*	allowed		$^{57}_{29}Cu_{28}$	196.3 ms *7*	0.0	3/2-	ec β+ 100 %	8774.9 *8*	$^{57}_{28}Ni_{29}$
57	3284 *8*	0.94 *9*	(8001)		768.5 *5*	5/2-	5.44 *5*	allowed		$^{57}_{29}Cu_{28}$	196.3 ms *7*	0.0	3/2-	ec β+ 100 %	8774.9 *8*	$^{57}_{28}Ni_{29}$
58	3662 *8*	**89.8 *8***	(8770)	0.103 *2*	0.0	3/2-	3.67 *1*	allowed		$^{57}_{29}Cu_{28}$	196.3 ms *7*	0.0	3/2-	ec β+ 100 %	8774.9 *8*	$^{57}_{28}Ni_{29}$
59	1353.1 *8*	0.103 *18*	(4027.3)	0.0020 *3*	4538.3 *7*	0+	5.92 *8*	allowed		$^{58}_{29}Cu_{29}$	3.204 s *7*	0.0	1+	ec β+ 100 %	8561.0 *7*	$^{58}_{28}Ni_{30}$
60	1395.1 *7*	0.85 *8*	(4115.6)	0.015 *1*	4450.0 *4*	1+,2+	5.06 *4*			$^{58}_{29}Cu_{29}$	3.204 s *7*	0.0	1+	ec β+ 100 %	8561.0 *7*	$^{58}_{28}Ni_{30}$
61	1658.4 *8*	0.123 *23*	(4666.1)	0.0013 *3*	3899.5 *9*	2+	6.22 *8*	allowed		$^{58}_{29}Cu_{29}$	3.204 s *7*	0.0	1+	ec β+ 100 %	8561.0 *7*	$^{58}_{28}Ni_{30}$
62	1804.9 *7*	< 0.14	(4970.6)	< 0.0012	3594.99 *25* ?	1,2+	> 6.3			$^{58}_{29}Cu_{29}$	3.204 s *7*	0.0	1+	ec β+ 100 %	8561.0 *7*	$^{58}_{28}Ni_{30}$
63	1835.2 *8*	0.072 *16*	(5033.4)	0.00059 *13*	3532.2 *8*	0+	6.64 *10*	allowed		$^{58}_{29}Cu_{29}$	3.204 s *7*	0.0	1+	ec β+ 100 %	8561.0 *7*	$^{58}_{28}Ni_{30}$
64	1964.5 *7*	1.15 *7*	(5300.9)	0.0077 *5*	3264.64 *16*	2+	5.57 *3*	allowed		$^{58}_{29}Cu_{29}$	3.204 s *7*	0.0	1+	ec β+ 100 %	8561.0 *7*	$^{58}_{28}Ni_{30}$
65	2073.9 *7*	0.32 *3*	(5526.8)	0.0018 *2*	3038.7 *5*	2+	6.23 *4*	allowed		$^{58}_{29}Cu_{29}$	3.204 s *7*	0.0	1+	ec β+ 100 %	8561.0 *7*	$^{58}_{28}Ni_{30}$
66	2120.2 *7*	10.1 *14*	(5622.2)	0.055 *8*	2943.3 *3*	0+	4.77 *6*	allowed		$^{58}_{29}Cu_{29}$	3.204 s *7*	0.0	1+	ec β+ 100 %	8561.0 *7*	$^{58}_{28}Ni_{30}$
67	2139.8 *7*	4.6 *14*	(5662.7)	0.024 *7*	2902.86 *21*	1+	5.13 *14*	allowed		$^{58}_{29}Cu_{29}$	3.204 s *7*	0.0	1+	ec β+ 100 %	8561.0 *7*	$^{58}_{28}Ni_{30}$

#	<$E_{\beta+}$> [keV]	$I_{\beta+}$(abs) [%]	E_{EC} [keV]	I_{EC}(abs) [%]	Daughter level [keV]	J^{π}	Log*ft*	Transition type	Comments	Parent	$T_{1/2}$	E_x [keV]	Jp order	Decay	Q_{decay}[keV] see the note	Daught
68	2201.4 *7*	< 0.28	(5789.4)	< 0.0013	2776.1 *3*	2+	> 6.4	allowed		$^{58}_{29}Cu_{29}$	3.204 s *7*	0.0	1+	ec β+ 100 %	8561.0 *7*	$^{58}_{28}Ni_{30}$
69	2846.6 *7*	1.4 *4*	(7111.0)	0.0033 *9*	1454.56 *15*	2+	6.20 *13*	allowed		$^{58}_{29}Cu_{29}$	3.204 s *7*	0.0	1+	ec β+ 100 %	8561.0 *7*	$^{58}_{28}Ni_{30}$
70	3561.6 *7*	**81.1 *5***	(8565.5)	0.101 *1*	0.0	0+	4.870 *3*	allowed		$^{58}_{29}Cu_{29}$	3.204 s *7*	0.0	1+	ec β+ 100 %	8561.0 *7*	$^{58}_{28}Ni_{30}$
71	470.4 *4*	0.026 *5*	(2117.2)	0.012 *2*	2681.2 *7*	(5/2-)	6.0 *1*	allowed		$^{59}_{29}Cu_{30}$	81.5 s *5*	0.0	3/2-	ec β+ 100 %	4798.4 *6*	$^{59}_{28}Ni_{31}$
72	589.22 *19*	0.201 *12*	(2383.5)	0.044 *3*	2414.85 *13*	3/2-	5.5 *1*	allowed		$^{59}_{29}Cu_{30}$	81.5 s *5*	0.0	3/2-	ec β+ 100 %	4798.4 *6*	$^{59}_{28}Ni_{31}$
73	900.21 *19*	1.88 *4*	(3063.7)	0.117 *3*	1734.67 *6*	3/2-	5.3 *1*	allowed		$^{59}_{29}Cu_{30}$	81.5 s *5*	0.0	3/2-	ec β+ 100 %	4798.4 *6*	$^{59}_{28}Ni_{31}$
74	925.72 *19*	1.61 *3*	(3118.7)	0.0920 *18*	1679.70 *7*	5/2-	5.4 *1*	allowed		$^{59}_{29}Cu_{30}$	81.5 s *5*	0.0	3/2-	ec β+ 100 %	4798.4 *6*	$^{59}_{28}Ni_{31}$
75	1085.2 *3*	0.055 *11*	(3460.3)	0.0020 *4*	1338.1 *5*	7/2-	7.2 *1*	2nd non-unique		$^{59}_{29}Cu_{30}$	81.5 s *5*	0.0	3/2-	ec β+ 100 %	4798.4 *6*	$^{59}_{28}Ni_{31}$
76	1102.47 *19*	18.9 *3*	(3497.0)	0.654 *12*	1301.41 *7*	1/2-	4.7 *1*	allowed		$^{59}_{29}Cu_{30}$	81.5 s *5*	0.0	3/2-	ec β+ 100 %	4798.4 *6*	$^{59}_{28}Ni_{31}$
77	1155.38 *20*	0.110 *18*	(3609.4)	0.0033 *6*	1188.93 *13*	5/2-	7.0 *1*	allowed		$^{59}_{29}Cu_{30}$	81.5 s *5*	0.0	3/2-	ec β+ 100 %	4798.4 *6*	$^{59}_{28}Ni_{31}$
78	1302.36 *20*	8.6 *4*	(3920.4)	0.18 *1*	878.00 *6*	3/2-	5.3 *1*	allowed		$^{59}_{29}Cu_{30}$	81.5 s *5*	0.0	3/2-	ec β+ 100 %	4798.4 *6*	$^{59}_{28}Ni_{31}$
79	1499.05 *20*	3.35 *15*	(4333.4)	0.0481 *22*	464.92 *7*	1/2-	6.0 *1*	allowed		$^{59}_{29}Cu_{30}$	81.5 s *5*	0.0	3/2-	ec β+ 100 %	4798.4 *6*	$^{59}_{28}Ni_{31}$
80	1559.10 *20*	5.89 *10*	(4459.0)	0.0756 *15*	339.37 *5*	5/2-	5.8 *1*	allowed		$^{59}_{29}Cu_{30}$	81.5 s *5*	0.0	3/2-	ec β+ 100 %	4798.4 *6*	$^{59}_{28}Ni_{31}$
81	1721.99 *20*	**57.5 *4***	(4798.4)	0.557 *7*	0.0	3/2-	5.0 *1*	allowed		$^{59}_{29}Cu_{30}$	81.5 s *5*	0.0	3/2-	ec β+ 100 %	4798.4 *6*	$^{59}_{28}Ni_{31}$
82			(1079.4)	0.022 *8*	5048.6 *6*	1,2	6.4 *2*			$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
83			(2941.6)		3186.4 *6* ?					$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
84	111.6 *9*	0.0014 *6*	(1278.9)	0.11 *4*	4849.1 *6*	1,2,3	5.8 *2*			$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
85	113.6 *11*	0.00036 *14*	(1283.8)	0.026 *10*	4844.2 *13*	1,2	6.5 *2*			$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
86	148.3 *10*	0.0013 *5*	(1367.2)	0.033 *11*	4760.8 *5*	1,2	6.4 *1*			$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
87	224.2 *10*	0.0076 *18*	(1548.9)	0.040 *10*	4579.1 *6*	2+	6.4 *1*	allowed		$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
88	237.0 *9*	0.071 *12*	(1579.1)	0.31 *5*	4548.9 *4*	1+,2+	5.6 *1*			$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
89	242.4 *10*	0.012 *3*	(1591.9)	0.050 *12*	4536.1 *8*	2+	6.4 *1*	allowed		$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
90	260.5 *9*	0.185 *13*	(1634.5)	0.58 *4*	4493.5 *3*	1+,2+	5.3 *1*			$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
91	328.4 *10*	0.027 *7*	(1793.3)	0.037 *9*	4334.7 *7*	2	6.6 *1*	allowed		$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
92	335.2 *10*	0.072 *9*	(1809.0)	0.095 *12*	4319.0 *4*	2+	6.2 *1*	allowed		$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
93	440.0 *10*	1.17 *8*	(2049.4)	0.64 *5*	4078.63 *23*	1+,2+	5.5 *1*			$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
94	465.6 *10*	0.96 *9*	(2107.5)	0.44 *4*	4020.49 *23*	1+	5.7 *1*	allowed		$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
95	471.2 *10*	0.15 *3*	(2120.2)	0.064 *13*	4007.8 *6*	2+	6.5 *1*	allowed		$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
96	507.6 *10*	0.22 *5*	(2202.0)	0.075 *16*	3926.0 *4*	2+,3+	6.5 *1*			$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
97	531.5 *11*	0.069 *23*	(2255.8)	0.021 *7*	3872.2 *9*	1+,2+	7.0 *2*			$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
98	592.5 *10*	0.80 *8*	(2392.0)	0.172 *16*	3736.0 *4*	2+	6.2 *1*	allowed		$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
99	748.0 *10*	0.86 *7*	(2734.5)	0.092 *7*	3393.5 *3*	2+	6.6 *1*	allowed		$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
100	804.9 *10*	4.59 *22*	(2858.5)	0.396 *19*	3269.48 *18*	2+	6.0 *1*	allowed		$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
101	839.6 *10*	11.6 *4*	(2933.8)	0.88 *3*	3194.16 *16*	1+,2+	5.6 *2*			$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
102	872.0 *10*	**49.0 *23***	(3003.8)	3.34 *16*	3124.16 *16*	2+	5.1 *1*	allowed		$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
103	1104.2 *10*	2.8 *3*	(3501.7)	0.096 *10*	2626.25 *16*	3+	6.8 *1*	allowed		$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
104	1324.9 *10*	15.0 *12*	(3969.0)	0.31 *3*	2158.95 *13*	2+	6.4 *1*	allowed		$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
105	1720.1 *11*	5 *3*	(4795.4)	0.05 *3*	1332.54 *14*	2+	7.3 *3*	allowed		$^{60}_{29}Cu_{31}$	23.7 min *4*	0.0	2+	ec β+ 100 %	6128.0 *17*	$^{60}_{28}Ni_{32}$
106			(114.3)	0.043 *7*	2123.48 *4*	1/2-	5.01 *8*	allowed		$^{61}_{29}Cu_{32}$	3.339 h *8*	0.0	3/2-	ec β+ 100 %	2238.0 *10*	$^{61}_{28}Ni_{33}$
107			(117.8)	< 0.009	2120.0 ?		> 5.7			$^{61}_{29}Cu_{32}$	3.339 h *8*	0.0	3/2-	ec β+ 100 %	2238.0 *10*	$^{61}_{28}Ni_{33}$
108			(508.3)	0.22 *4*	1729.473 *11*	3/2-	5.64 *8*	allowed		$^{61}_{29}Cu_{32}$	3.339 h *8*	0.0	3/2-	ec β+ 100 %	2238.0 *10*	$^{61}_{28}Ni_{33}$
109			(628.2)	0.068 *12*	1609.642 *22*	5/2-	6.34 *8*	allowed		$^{61}_{29}Cu_{32}$	3.339 h *8*	0.0	3/2-	ec β+ 100 %	2238.0 *10*	$^{61}_{28}Ni_{33}$
110			(1052.6)	4.2 *7*	1185.239 *11*	3/2-	5.00 *8*	allowed		$^{61}_{29}Cu_{32}$	3.339 h *8*	0.0	3/2-	ec β+ 100 %	2238.0 *10*	$^{61}_{28}Ni_{33}$
111			(1105.5)	0.15 *3*	1132.333 *18*	5/2-	6.49 *9*	allowed		$^{61}_{29}Cu_{32}$	3.339 h *8*	0.0	3/2-	ec β+ 100 %	2238.0 *10*	$^{61}_{28}Ni_{33}$
112			(1138.2)	0.68 *11*	1099.619 *11*	3/2-	5.86 *7*	allowed		$^{61}_{29}Cu_{32}$	3.339 h *8*	0.0	3/2-	ec β+ 100 %	2238.0 *10*	$^{61}_{28}Ni_{33}$
113			(240.0)	0.0041 *14*	1997.8 *7*	5/2-	6.7 *2*	allowed		$^{61}_{29}Cu_{32}$	3.339 h *8*	0.0	3/2-	ec β+ 100 %	2238.0 *10*	$^{61}_{28}Ni_{33}$
114	132.9 *4*	0.033 *5*	(1329.2)	1.27 *20*	908.620 *11*	5/2-	5.72 *7*	allowed		$^{61}_{29}Cu_{32}$	3.339 h *8*	0.0	3/2-	ec β+ 100 %	2238.0 *10*	$^{61}_{28}Ni_{33}$
115	238.6 *4*	2.5 *4*	(1581.8)	10.8 *17*	656.017 *7*	1/2-	4.95 *7*	allowed		$^{61}_{29}Cu_{32}$	3.339 h *8*	0.0	3/2-	ec β+ 100 %	2238.0 *10*	$^{61}_{28}Ni_{33}$
116	399.0 *4*	5.8 *10*	(1954.8)	4.3 *7*	282.955 *7*	1/2-	5.53 *8*	allowed		$^{61}_{29}Cu_{32}$	3.339 h *8*	0.0	3/2-	ec β+ 100 %	2238.0 *10*	$^{61}_{28}Ni_{33}$
117	494.0 *5*	2.1 *4*	(2170.4)	0.80 *14*	67.416 *7*	5/2-	6.35 *8*	allowed		$^{61}_{29}Cu_{32}$	3.339 h *8*	0.0	3/2-	ec β+ 100 %	2238.0 *10*	$^{61}_{28}Ni_{33}$
118	524.0 *5*	**51 *4***	(2237.8)	16 *1*	0.0	3/2-	5.07 *4*	allowed		$^{61}_{29}Cu_{32}$	3.339 h *8*	0.0	3/2-	ec β+ 100 %	2238.0 *10*	$^{61}_{28}Ni_{33}$
119			(1068.3)	0.0006 *3*	2890.6 *4*	0+	7.54 *22*	allowed		$^{62}_{29}Cu_{33}$	9.67 min *3*	0.0	1+	ec β+ 100 %	3958.9 *8*	$^{62}_{28}Ni_{34}$
120			(800.8)	0.0018 *4*	3158.1 *10*	2+	6.81 *10*	allowed		$^{62}_{29}Cu_{33}$	9.67 min *3*	0.0	1+	ec β+ 100 %	3958.9 *8*	$^{62}_{28}Ni_{34}$
121			(701.2)	0.0049 *10*	3257.7 *4*	2+	6.26 *9*	allowed		$^{62}_{29}Cu_{33}$	9.67 min *3*	0.0	1+	ec β+ 100 %	3958.9 *8*	$^{62}_{28}Ni_{34}$
122			(688.0)	0.0058 *5*	3270.9 *3*	1+,2+	6.17 *4*			$^{62}_{29}Cu_{33}$	9.67 min *3*	0.0	1+	ec β+ 100 %	3958.9 *8*	$^{62}_{28}Ni_{34}$
123			(588.7)	0.0128 *17*	3370.2 *3*	1+,2+	5.69 *6*			$^{62}_{29}Cu_{33}$	9.67 min *3*	0.0	1+	ec β+ 100 %	3958.9 *8*	$^{62}_{28}Ni_{34}$
124			(97.2)	0.00037 *7*	3861.7 *11*	1+,2+	5.60 *9*			$^{62}_{29}Cu_{33}$	9.67 min *3*	0.0	1+	ec β+ 100 %	3958.9 *8*	$^{62}_{28}Ni_{34}$
125	270.5 *4*	0.019 *1*	(1656.9)	0.053 *2*	2301.95 *8*	2+	5.98 *2*	allowed		$^{62}_{29}Cu_{33}$	9.67 min *3*	0.0	1+	ec β+ 100 %	3958.9 *8*	$^{62}_{28}Ni_{34}$
126	379.6 *4*	0.076 *4*	(1910.3)	0.066 *3*	2048.63 *12*	0+	6.00 *2*	allowed		$^{62}_{29}Cu_{33}$	9.67 min *3*	0.0	1+	ec β+ 100 %	3958.9 *8*	$^{62}_{28}Ni_{34}$
127	772.1 *5*	0.138 *6*	(2785.9)	0.013 *1*	1172.97 *10*	2+	7.03 *2*	allowed		$^{62}_{29}Cu_{33}$	9.67 min *3*	0.0	1+	ec β+ 100 %	3958.9 *8*	$^{62}_{28}Ni_{34}$
128	1320.7 *5*	**97.60 *3***	(3958.9)	2.009 *20*	0.0	0+	5.158 *2*	allowed		$^{62}_{29}Cu_{33}$	9.67 min *3*	0.0	1+	ec β+ 100 %	3958.9 *8*	$^{62}_{28}Ni_{34}$
129			(328.83)	0.472 *4*	1345.79 *6*	2+	5.504 *4*	allowed		$^{64}_{29}Cu_{35}$	12.7006 h *20*	0.0	1+	ec β+ 61.5 *3* %	1674.6 *6*	$^{64}_{28}Ni_{36}$
130	278.01 *9*	**17.49 *15***	(1674.61)	43.6 *3*	0.0	0+	4.969 *2*	allowed		$^{64}_{29}Cu_{35}$	12.7006 h *20*	0.0	1+	ec β+ 61.5 *3* %	1674.6 *6*	$^{64}_{28}Ni_{36}$
131	4130 *200*	**43 *5***	(9709)	0.040 *8*	3531 *12*	0+	3.44 *11*	super allowed		$^{56}_{30}Zn_{26}$	32.4 ms *11*	0	0+	ec β+ 100 %	13240 *400*	$^{56}_{29}Cu_{27}$
132	4170 *200*	21 *1*	(9794)	0.019 *3*	3446 *12*	1+	3.8 *1*	allowed		$^{56}_{30}Zn_{26}$	32.4 ms *11*	0	0+	ec β+ 100 %	13240 *400*	$^{56}_{29}Cu_{27}$
133	4540 *200*	14 *1*	(10556)	0.0100 *15*	2684 *12*	1+	4.1 *1*	allowed		$^{56}_{30}Zn_{26}$	32.4 ms *11*	0	0+	ec β+ 100 %	13240 *400*	$^{56}_{29}Cu_{27}$
134	5030 *200*	22 *6*	(11526)	0.012 *4*	1714 *12*	1+	4.1 *2*	allowed		$^{56}_{30}Zn_{26}$	32.4 ms *11*	0	0+	ec β+ 100 %	13240 *400*	$^{56}_{29}Cu_{27}$
135	3950 *70*	**≈ 50**	(9270)		5.35E+3 *5* ?	(7/2-)		allowed		$^{57}_{30}Zn_{27}$	40 ms *10*	0.0 ?	(7/2-)	ec β+ 100 %	14759 *200*	$^{57}_{29}Cu_{28}$
136	4970 *70*	≈ 15	(11340)		3.28E+3 *5* ?	(5/2- TO 9/2-)	≈ 4.4			$^{57}_{30}Zn_{27}$	40 ms *10*	0.0 ?	(7/2-)	ec β+ 100 %	14759 *200*	$^{57}_{29}Cu_{28}$
137	3437 *25*	10 *2*	(8313)	0.016 *3*	1051	1+	4.1 *1*	allowed		$^{58}_{30}Zn_{28}$	86.7 ms *24*	0.0	0+	ec β+ 100 %	9369 *50*	$^{58}_{29}Cu_{29}$
138	3855 *25*	**72 *10***	(9161)	0.082 *11*	203	0+	3.486	super allowed		$^{58}_{30}Zn_{28}$	86.7 ms *24*	0.0	0+	ec β+ 100 %	9369 *50*	$^{58}_{29}Cu_{29}$
139	3955 *25*	18 *10*	(9364)	0.019 *11*	0.0 ?	1+	4.1 *3*	allowed		$^{58}_{30}Zn_{28}$	86.7 ms *24*	0.0	0+	ec β+ 100 %	9369 *50*	$^{58}_{29}Cu_{29}$
140	726 *7*	0.003	(2683)	0.0004 *0*	6460 *15* ?		5.1			$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
141	977 *7*	0.0020 *9*	(3227)	0.00011 *5*	5916 *15*	1/2-,3/2-	5.78 *19*			$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
142	998 *7*	0.007 *3*	(3273)	0.00035 *13*	5870 *15*	3/2-,5/2-	5.30 *17*			$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
143	1075 *5*	0.0035 *12*	(3436)	0.00015 *5*	5707 *10*	5/2-	5.71 *16*	allowed		$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
144	1100 *5*	0.0042 *17*	(3490)	0.00017 *7*	5653 *10*	5/2-	5.66 *18*	allowed		$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
145	1107 *5*	0.0045 *16*	(3505)	0.00018 *6*	5638 *10*	(3/2,5/2)-	5.65 *16*			$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
146	1151.0 *24*	0.012 *4*	(3599)	0.00041 *14*	5544 *5*	1/2-,3/2-,5/2-	5.31 *15*			$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
147	1181.6 *24*	0.0066 *20*	(3664)	0.00021 *7*	5479 *5*		5.60 *14*			$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
148	1262.4 *24*	0.007 *3*	(3835)	0.00020 *7*	5308 *5*	(1/2)-	5.68 *16*	allowed		$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
149	1281.8 *24*	0.011 *3*	(3876)	0.00028 *8*	5267 *5*	3/2-	5.54 *12*	allowed		$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
150	1300.8 *24*	0.032 *9*	(3916)	0.00079 *22*	5227 *5*	1/2-	5.09 *12*	allowed		$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
151	1495.4 *24*	0.014 *4*	(4325)	0.00023 *7*	4818 *5*	3/2-	5.72 *13*	allowed		$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
152	1517 *5*	0.0026 *20*	(4370)	0.00004 *3*	4773 *10*	3/2-	6.5 *4*	allowed		$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
153	1550 *5*	0.0029 *22*	(4439)	0.00004 *3*	4704 *10*	1/2-,3/2-	6.5 *4*			$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
154	1648 *3*	0.019 *7*	(4643)	0.00024 *9*	4500 *5*	(1/2)-	5.77 *16*	allowed		$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
155	1721 *5*	0.011 *5*	(4796)	0.00012 *5*	4347 *10*	(1/2)-	6.09 *20*	allowed		$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
156	3395.26	1.1 *2*	(8228.5)	0.0018 *3*	914.2 *1*	5/2-	5.39 *8*	allowed		$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
157	3603.58	4.8 *6*	(8651.3)	0.0066 *8*	491.4 *1*	1/2-	4.86 *6*	allowed		$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
158	3846.04	**94 *3***	(9142.7)	0.108 *4*	0.0	3/2-	3.698 *15*	allowed		$^{59}_{30}Zn_{29}$	178.6 ms *18*	0.0	3/2-	ec β+ 100 %	9142.8 *9*	$^{59}_{29}Cu_{30}$
159	975.4 *9*	0.9 *3*	(3223.8)	0.053 *16*	947 *1* ?		6.0 *1*			$^{60}_{30}Zn_{30}$	2.38 min *5*	0.0	0+	ec β+ 100 %	4170.8 *17*	$^{60}_{29}Cu_{31}$
160	1104.9 *8*	**70 *6***	(3500.7)	2.8 *2*	670.1 *3*	1+	4.4 *1*	allowed		$^{60}_{30}Zn_{30}$	2.38 min *5*	0.0	0+	ec β+ 100 %	4170.8 *17*	$^{60}_{29}Cu_{31}$
161	1248.9 *8*	3.1 *7*	(3806.2)	0.086 *19*	364.6 *3*	(1+)	5.9 *1*	allowed		$^{60}_{30}Zn_{30}$	2.38 min *5*	0.0	0+	ec β+ 100 %	4170.8 *17*	$^{60}_{29}Cu_{31}$
162	1262.6 *8*	< 4	(3835.1)	< 0.1	335.7 *3* ?		> 5.9			$^{60}_{30}Zn_{30}$	2.38 min *5*	0.0	0+	ec β+ 100 %	4170.8 *17*	$^{60}_{29}Cu_{31}$
163	1392.4 *8*	20 *5*	(4108.8)	0.40 *10*	62.0 *4*	1+	5.3 *1*	allowed		$^{60}_{30}Zn_{30}$	2.38 min *5*	0.0	0+	ec β+ 100 %	4170.8 *17*	$^{60}_{29}Cu_{31}$

#	<$E_{\beta+}$> [keV]	$I_{\beta+}$(abs) [%]	E_{EC} [keV]	I_{EC}(abs) [%]	Daughter level [keV]	J^{π}	Log*ft*	Transition type	Comments	Parent	$T_{1/2}$	E_x [keV]	Jp order	Decay	Q_{decay}[keV] see the note	Daught
164	470 *7*	0.09 *3*	(2114)	0.047 *14*	3521.2 *15*	1/2-,3/2-,5/2-	5.5 *2*			$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
165	662 *7*	0.098 *20*	(2543)	0.017 *4*	3092.4 *13*	3/2-	6.1 *1*	allowed		$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
166	695 *7*	0.23 *3*	(2616)	0.035 *4*	3019.3 *11*	3/2-	5.80 *6*	allowed		$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
167	735 *7*	0.73 *6*	(2702)	0.094 *8*	2932.91 *16*	3/2-	5.39 *4*	allowed		$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
168	769 *7*	0.48 *6*	(2778)	0.054 *7*	2857.1 *3*	1/2-,3/2-	5.66 *6*			$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
169	777 *7*	0.50 *5*	(2794)	0.055 *5*	2840.53 *14*	1/2-,3/2-	5.66 *5*			$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
170	799 *7*	1.58 *14*	(2842)	0.160 *14*	2792.98 *13*	5/2-	5.21 *4*	allowed		$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
171	849 *7*	1.37 *9*	(2951)	0.116 *8*	2683.96 *20*	3/2-	5.38 *4*	allowed		$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
172	947 *8*	1.29 *8*	(3162)	0.079 *6*	2472.50 *13*	3/2-	5.60 *4*	allowed		$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
173	1000 *8*	1.29 *9*	(3277)	0.068 *5*	2358.13 *11*	3/2-	5.70 *4*	allowed		$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
174	1126 *8*	0.58 *6*	(3546)	0.022 *2*	2088.86 *9*	(1/2)-	6.27 *5*	allowed		$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
175	1200 *8*	0.79 *11*	(3702)	0.024 *3*	1932.60 *8*	3/2-	6.25 *6*	allowed		$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
176	1213 *8*	0.23 *6*	(3730)	0.0070 *18*	1904.5 *3*	5/2-	6.8 *1*	allowed		$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
177	1295 *8*	< 0.16	(3903)	< 0.0027	1732.4 *12* ?	7/2-	> 7.5	2nd non-unique		$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
178	1329 *8*	10.8 *7*	(3975)	0.252 *17*	1660.44 *7*	3/2-	5.30 *3*	allowed		$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
179	1455 *8*	0.66 *6*	(4240)	0.012 *1*	1394.52 *8*	5/2-	6.69 *4*	allowed		$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
180	1495 *8*	< 0.098	(4324)	< 0.002	1310.94 *10* ?	7/2-	> 7.6	2nd non-unique		$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
181	1658 *8*	0.46 *19*	(4665)	0.0057 *23*	970.10 *11*	5/2-	7.1 *2*	allowed		$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
182	1897 *8*	10.8 *6*	(5160)	0.091 *5*	474.98 *7*	1/2-	5.97 *3*	allowed		$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
183	2127 *8*	**66.3 *17***	(5635)	0.405 *12*	0.0	3/2-	5.40 *2*	allowed		$^{61}_{30}Zn_{31}$	89.1 s *2*	0.0	3/2-	ec β+ 100 %	5635 *16*	$^{61}_{29}Cu_{32}$
184			(1071.2)	31 *3*	548.29 *6*	1+	4.64 *5*	allowed		$^{62}_{30}Zn_{32}$	9.193 h *15*	0.0	0+	ec β+ 100 %	1619.5 *9*	$^{62}_{29}Cu_{33}$
185			(982.0)	28.6 *22*	637.45 *5*	1+	4.60 *4*	allowed		$^{62}_{30}Zn_{32}$	9.193 h *15*	0.0	0+	ec β+ 100 %	1619.5 *9*	$^{62}_{29}Cu_{33}$
186			(189.9)	0.102 *9*	1429.57 *7*	1+	5.59 *4*	allowed		$^{62}_{30}Zn_{32}$	9.193 h *15*	0.0	0+	ec β+ 100 %	1619.5 *9*	$^{62}_{29}Cu_{33}$
187			(704.2)	0.036 *4*	915.31 *7*	2+	> 7.2	2nd non-unique		$^{62}_{30}Zn_{32}$	9.193 h *15*	0.0	0+	ec β+ 100 %	1619.5 *9*	$^{62}_{29}Cu_{33}$
188			(93.6)	0.0091 *16*	1525.92 *19*	1+	5.98 *8*	allowed		$^{62}_{30}Zn_{32}$	9.193 h *15*	0.0	0+	ec β+ 100 %	1619.5 *9*	$^{62}_{29}Cu_{33}$
189	255.4 *3*	**8.2 *10***	(1619.5)	32 *4*	0.0	1+	4.99 *6*	allowed		$^{62}_{30}Zn_{32}$	9.193 h *15*	0.0	0+	ec β+ 100 %	1619.5 *9*	$^{62}_{29}Cu_{33}$
190			(265.7)	0.00057 *17*	3100.8 *8*	1/2-,3/2-	7.0 *1*			$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
191			(321.8)	0.0049 *9*	3044.7 *8*	(5/2-)	6.2 *1*	allowed		$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
192			(477.0)	0.0112 *17*	2889.5 *5*	1/2-,3/2,5/2-	6.2 *1*			$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
193			(508.7)	0.0074 *15*	2857.8 *4*	(1/2-,3/2-)	6.5 *1*			$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
194			(560.1)	0.0057 *12*	2806.4 *4*	3/2-	6.7 *1*	allowed		$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
195			(586.1)	0.030 *3*	2780.43 *24*	(1/2-,3/2-)	6.0 *1*			$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
196			(649.7)	0.085 *8*	2716.76 *10*	3/2-,5/2-	5.6 *1*			$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
197			(669.9)	0.119 *9*	2696.57 *13*	1/2-,3/2-	5.5 *1*			$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
198			(830.7)	0.255 *18*	2535.82 *7*	(5/2)-	5.34 *3*	allowed		$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
199			(854.4)	0.0098 *17*	2512.1 *5*	1/2,3/2,5/2	6.8 *1*			$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
200			(869.3)	0.026 *3*	2497.2 *4*	(3/2-)	6.4 *1*	allowed		$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
201			(1029.9)	0.129 *9*	2336.58 *12*	5/2-	5.84 *4*	allowed		$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
202	115.4 *7*	0.00032 *5*	(1285.1)	0.026 *4*	2081.4 *3*	5/2(-)	6.7 *1*	allowed		$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
203	123.5 *7*	0.0025 *3*	(1304.3)	0.151 *18*	2062.22 *9*	(1/2)-	6.0 *1*	allowed		$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
204	144.7 *7*	0.00039 *9*	(1355.3)	0.013 *3*	2011.2 *3*	3/2-	7.1 *1*	allowed		$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
205	341.4 *7*	0.040 *5*	(1819.4)	0.059 *8*	1547.04 *6*	3/2-	6.7 *1*	allowed		$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
206	400.1 *7*	0.50 *4*	(1954.4)	0.43 *3*	1412.05 *4*	5/2-	5.87 *3*	allowed		$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
207	599.9 *8*	4.9 *4*	(2404.4)	1.18 *8*	962.09 *4*	5/2-	5.61 *3*	allowed		$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
208	732.5 *8*	7.0 *3*	(2696.8)	0.92 *4*	669.66 *5*	1/2-	5.82 *2*	allowed		$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
209	1042.3 *8*	**80.3 *7***	(3366.5)	3.74 *5*	0.0	3/2-	5.40 *1*	allowed		$^{63}_{30}Zn_{33}$	38.47 min *5*	0	3/2-	ec β+ 100 %	3366.4 *16*	$^{63}_{29}Cu_{34}$
210			(236.5)	50.04 *10*	1115.549 *2*	5/2-	5.894 *3*	allowed		$^{65}_{30}Zn_{35}$	243.93 d *9*	0.0	5/2-	ec β+ 100 %	1351.7 *9*	$^{65}_{29}Cu_{36}$
211	142.5 *3*	**1.421 *7***	1347 *2*	48.54 *7*	0.0	3/2-	7.4502 *10*	allowed		$^{65}_{30}Zn_{35}$	243.93 d *9*	0.0	5/2-	ec β+ 100 %	1351.7 *9*	$^{65}_{29}Cu_{36}$
212	3937 *30*	**60 *12***	(9537.8)	0.073 *15*	4852.1 *7*	(2+)	3.5 *1*	allowed		$^{60}_{31}Ga_{29}$	70 ms *13*	0	(2+)	ec β+ 100 %	14584 *200*	$^{60}_{30}Zn_{30}$
213	5072 *30*	13 *8*	(11831.1)	0.008 *5*	2558.8 *5*	(2+)	4.7	allowed		$^{60}_{31}Ga_{29}$	70 ms *13*	0	(2+)	ec β+ 100 %	14584 *200*	$^{60}_{30}Zn_{30}$
214	5845 *30*	27 *19*	(13386.16)	0.011 *8*	1003.72 *20*	2+	4.7	allowed		$^{60}_{31}Ga_{29}$	70 ms *13*	0	(2+)	ec β+ 100 %	14584 *200*	$^{60}_{30}Zn_{30}$
215	3208 *20*	≤ 0.010	(7848)	≤ 2.E-5	1362.0 *10* ?		≥ 7.3			$^{61}_{31}Ga_{30}$	167 ms *3*	0.0	3/2-	ec β+ 100 %	9214 *41*	$^{61}_{30}Zn_{31}$
216	3416 *20*	0.68 *18*	(8272)	0.0012 *3*	938.2 *7*	1/2-	5.6	allowed		$^{61}_{31}Ga_{30}$	167 ms *3*	0.0	3/2-	ec β+ 100 %	9214 *41*	$^{61}_{30}Zn_{31}$
217	3506 *20*	0.86 *24*	(8454)	0.0015 *4*	756.0 *7*	5/2-	5.5	allowed		$^{61}_{31}Ga_{30}$	167 ms *3*	0.0	3/2-	ec β+ 100 %	9214 *41*	$^{61}_{30}Zn_{31}$
218	3672 *20*	1.3 *4*	(8792)	0.0019 *6*	418.3 *6*	3/2-	5.4	allowed		$^{61}_{31}Ga_{30}$	167 ms *3*	0.0	3/2-	ec β+ 100 %	9214 *41*	$^{61}_{30}Zn_{31}$
219	3818 *20*	1.2 *4*	(9087)	0.0016 *5*	123.3 *7*	5/2-	5.5	allowed		$^{61}_{31}Ga_{30}$	167 ms *3*	0.0	3/2-	ec β+ 100 %	9214 *41*	$^{61}_{30}Zn_{31}$
220	3835 *20*	1.9 *6*	(9122)	0.0025 *8*	88.2 *7*	1/2-	5.4	allowed		$^{61}_{31}Ga_{30}$	167 ms *3*	0.0	3/2-	ec β+ 100 %	9214 *41*	$^{61}_{30}Zn_{31}$
221	3879 *20*	**93.9 *10***	(9210)	0.120 *2*	0.0	3/2-	3.7	allowed		$^{61}_{31}Ga_{30}$	167 ms *3*	0.0	3/2-	ec β+ 100 %	9214 *41*	$^{61}_{30}Zn_{31}$
222			(8227.1)		953.87 *17* ?	2+		2nd non-unique		$^{62}_{31}Ga_{31}$	116.121 ms *21*	0.0	0+	ec β+ 100 %	9181.1 *9*	$^{62}_{30}Zn_{32}$
223			(7376.2)		1804.78 *21* ?	2+		2nd non-unique		$^{62}_{31}Ga_{31}$	116.121 ms *21*	0.0	0+	ec β+ 100 %	9181.1 *9*	$^{62}_{30}Zn_{32}$
224	993.2 *8*	0.0008 *4*	(3260.2)	0.00005 *2*	5920.8 *17* ?	(1+)	6.03 *22*	allowed		$^{62}_{31}Ga_{31}$	116.121 ms *21*	0.0	0+	ec β+ 100 %	9181.1 *9*	$^{62}_{30}Zn_{32}$
225	1326.8 *4*	0.0107 *10*	(3969.4)	0.00028 *3*	5211.6 *5*	(1+)	5.41 *4*	allowed		$^{62}_{31}Ga_{31}$	116.121 ms *21*	0.0	0+	ec β+ 100 %	9181.1 *9*	$^{62}_{30}Zn_{32}$
226	1477.1 *4*	0.0096 *9*	(4285.4)	0.00019 *2*	4895.6 *5*	(1+)	5.66 *4*	allowed		$^{62}_{31}Ga_{31}$	116.121 ms *21*	0.0	0+	ec β+ 100 %	9181.1 *9*	$^{62}_{30}Zn_{32}$
227	1691.2 *3*	0.0271 *14*	(4732.8)	0.000362 *19*	4448.2 *3*	(1+)	5.46 *2*	allowed		$^{62}_{31}Ga_{31}$	116.121 ms *21*	0.0	0+	ec β+ 100 %	9181.1 *9*	$^{62}_{30}Zn_{32}$
228	1896.5 *4*	0.0171 *12*	(5159.3)	0.000165 *12*	4021.7 *5*	(1+)	5.88 *3*	allowed		$^{62}_{31}Ga_{31}$	116.121 ms *21*	0.0	0+	ec β+ 100 %	9181.1 *9*	$^{62}_{30}Zn_{32}$
229	1925.9 *3*	0.0054 *7*	(5220.2)	0.000049 *6*	3960.8 *4*	(1+)	6.41 *6*	allowed		$^{62}_{31}Ga_{31}$	116.121 ms *21*	0.0	0+	ec β+ 100 %	9181.1 *9*	$^{62}_{30}Zn_{32}$
230	2209.9 *3*	0.0054 *9*	(5806.7)	0.000034 *6*	3374.3 *4*	(1-)	6.67 *8*	1st non-unique		$^{62}_{31}Ga_{31}$	116.121 ms *21*	0.0	0+	ec β+ 100 %	9181.1 *9*	$^{62}_{30}Zn_{32}$
231	2303.8 *3*	0.0302 *12*	(5999.8)	0.000168 *7*	3181.2 *4*	(1+)	6.00 *2*	allowed		$^{62}_{31}Ga_{31}$	116.121 ms *21*	0.0	0+	ec β+ 100 %	9181.1 *9*	$^{62}_{30}Zn_{32}$
232	2371.1 *5*	0.0012 *5*	(6138.1)	0.000006 *3*	3042.9 *9* ?	(0+)	7.46 *18*	super allowed		$^{62}_{31}Ga_{31}$	116.121 ms *21*	0.0	0+	ec β+ 100 %	9181.1 *9*	$^{62}_{30}Zn_{32}$
233	2713.0 *3*	0.0064 *14*	(6838.8)	0.000022 *5*	2342.2 *3*	0+	6.99 *10*	super allowed		$^{62}_{31}Ga_{31}$	116.121 ms *21*	0.0	0+	ec β+ 100 %	9181.1 *9*	$^{62}_{30}Zn_{32}$
234	3864.42	**99.729 *8***	(9181.0)	0.1285 *13*	0.0	0+	3.48819 *16*	super allowed		$^{62}_{31}Ga_{31}$	116.121 ms *21*	0.0	0+	ec β+ 100 %	9181.1 *9*	$^{62}_{30}Zn_{32}$
235	1260 *48*	3.5 *9*	(3974.3)	0.11 *3*	1691.6 *4*	5/2-	5.3 *1*	allowed		$^{63}_{31}Ga_{32}$	32.4 s *5*	0.0	3/2-	ec β+ 100 %	5666.3 *20*	$^{63}_{30}Zn_{33}$
236	1400 *48*	6.7 *16*	(4270.4)	0.15 *4*	1395.49 *20*	3/2-	5.2 *1*	allowed		$^{63}_{31}Ga_{32}$	32.4 s *5*	0.0	3/2-	ec β+ 100 %	5666.3 *20*	$^{63}_{30}Zn_{33}$
237	1558 *48*	2.5 *7*	(4600.7)	0.041 *13*	1065.2 *4*	1/2-	5.8 *1*	allowed		$^{63}_{31}Ga_{32}$	32.4 s *5*	0.0	3/2-	ec β+ 100 %	5666.3 *20*	$^{63}_{30}Zn_{33}$
238	1757 *49*	5.1 *11*	(5015.7)	0.062 *14*	650.18 *19*	5/2-	5.7 *1*	allowed		$^{63}_{31}Ga_{32}$	32.4 s *5*	0.0	3/2-	ec β+ 100 %	5666.3 *20*	$^{63}_{30}Zn_{33}$
239	1763 *49*	11.2 *22*	(5028.8)	0.13 *3*	637.06 *19*	3/2-	5.4 *1*	allowed		$^{63}_{31}Ga_{32}$	32.4 s *5*	0.0	3/2-	ec β+ 100 %	5666.3 *20*	$^{63}_{30}Zn_{33}$
240	1768 *49*	8.1 *17*	(5038.8)	0.095 *22*	627.05 *18*	1/2-	5.5 *1*	allowed		$^{63}_{31}Ga_{32}$	32.4 s *5*	0.0	3/2-	ec β+ 100 %	5666.3 *20*	$^{63}_{30}Zn_{33}$
241	1951 *49*	2.7 *6*	(5417.9)	0.024 *6*	247.97 *19*	1/2-	6.2 *1*	allowed		$^{63}_{31}Ga_{32}$	32.4 s *5*	0.0	3/2-	ec β+ 100 %	5666.3 *20*	$^{63}_{30}Zn_{33}$
242	1978 *49*	4.6 *10*	(5472.9)	0.039 *9*	192.94 *19*	5/2-	6.0 *1*	allowed		$^{63}_{31}Ga_{32}$	32.4 s *5*	0.0	3/2-	ec β+ 100 %	5666.3 *20*	$^{63}_{30}Zn_{33}$
243	2071 *49*	**55 *9***	(5665.9)	0.41 *8*	0.0	3/2-	5.0 *1*	allowed		$^{63}_{31}Ga_{32}$	32.4 s *5*	0.0	3/2-	ec β+ 100 %	5666.3 *20*	$^{63}_{30}Zn_{33}$
244	624.7 *7*	0.15 *3*	(2458.1)	0.037 *8*	4713.1 *2*	(1)	6.0 *1*	allowed		$^{64}_{31}Ga_{33}$	2.627 min *12*	0.0	0+	ec β+ 100 %	7171.2 *16*	$^{64}_{30}Zn_{34}$
245	671.9 *7*	0.12 *2*	(2562.4)	0.023 *3*	4608.8 *2*	(1)	6.26 *7*	allowed		$^{64}_{31}Ga_{33}$	2.627 min *12*	0.0	0+	ec β+ 100 %	7171.2 *16*	$^{64}_{30}Zn_{34}$
246	742.1 *7*	1.16 *7*	(2716.5)	0.168 *10*	4454.70 *16*	1+	5.44 *3*	allowed		$^{64}_{31}Ga_{33}$	2.627 min *12*	0.0	0+	ec β+ 100 %	7171.2 *16*	$^{64}_{30}Zn_{34}$
247	1047.3 *7*	3.83 *16*	(3376.2)	0.201 *9*	3795.00 *11*	1+	5.56 *2*	allowed		$^{64}_{31}Ga_{33}$	2.627 min *12*	0.0	0+	ec β+ 100 %	7171.2 *16*	$^{64}_{30}Zn_{34}$
248	1221.1 *7*	6.6 *3*	(3746.0)	0.22 *1*	3425.14 *10*	1+	5.60 *2*	allowed		$^{64}_{31}Ga_{33}$	2.627 min *12*	0.0	0+	ec β+ 100 %	7171.2 *16*	$^{64}_{30}Zn_{34}$
249	1249.1 *7*	28.2 *7*	(3805.2)	0.892 *23*	3366.00 *8*	1+	5.01 *1*	allowed		$^{64}_{31}Ga_{33}$	2.627 min *12*	0.0	0+	ec β+ 100 %	7171.2 *16*	$^{64}_{30}Zn_{34}$
250	1270.0 *9*	0.23 *5*	(3849.4)	0.0070 *15*	3321.8 *12* ?	(1)	7.1 *1*	allowed		$^{64}_{31}Ga_{33}$	2.627 min *12*	0.0	0+	ec β+ 100 %	7171.2 *16*	$^{64}_{30}Zn_{34}$
251	1298.3 *7*	2.33 *13*	(3909.2)	0.066 *4*	3261.93 *11*	1	6.17 *3*	allowed		$^{64}_{31}Ga_{33}$	2.627 min *12*	0.0	0+	ec β+ 100 %	7171.2 *16*	$^{64}_{30}Zn_{34}$
252	1333.9 *7*	**29.8 *7***	(3984.4)	0.781 *19*	3186.77 *8*	1+	5.11 *1*	allowed		$^{64}_{31}Ga_{33}$	2.627 min *12*	0.0	0+	ec β+ 100 %	7171.2 *16*	$^{64}_{30}Zn_{34}$
253	1609.2 *7*	< 0.21	(4561.7)	< 0.0032	2609.48 *9* ?	0+	> 7.6	super allowed		$^{64}_{31}Ga_{33}$	2.627 min *12*	0.0	0+	ec β+ 100 %	7171.2 *16*	$^{64}_{30}Zn_{34}$
254	1945.6 *7*	< 0.3	(5260.9)	< 0.003	1910.28 *8* ?	0+	> 7.8	super allowed		$^{64}_{31}Ga_{33}$	2.627 min *12*	0.0	0+	ec β+ 100 %	7171.2 *16*	$^{64}_{30}Zn_{34}$
255	2875.8 *7*	24.6 *10*	(7171.1)	0.073 *3*	0.0	0+	6.65 *2*	super allowed		$^{64}_{31}Ga_{33}$	2.627 min *12*	0.0	0+	ec β+ 100 %	7171.2 *16*	$^{64}_{30}Zn_{34}$
256			(835.7)	0.19 *4*	2419.18 *21*	1/2-	5.12 *10*	allowed		$^{65}_{31}Ga_{34}$	15.2 min *2*	0.0	3/2-	ec β+ 100 %	3254.5 *10*	$^{65}_{30}Zn_{35}$
257	277.0 *7*	0.0011 *7*	(1667.1)	0.0039 *24*	1587.8 *8*	7/2-	7.4 *3*	2nd non-unique		$^{65}_{31}Ga_{34}$	15.2 min *2*	0.0	3/2-	ec β+ 100 %	3254.5 *10*	$^{65}_{30}Zn_{35}$
258	281.7 *6*	0.0035 *17*	(1678.1)	0.011 *6*	1576.8 *4*	3/2-	6.95 *21*	allowed		$^{65}_{31}Ga_{34}$	15.2 min *2*	0.0	3/2-	ec β+ 100 %	3254.5 *10*	$^{65}_{30}Zn_{35}$
259	327.6 *6*	0.48 *11*	(1785.1)	0.92 *20*	1469.80 *9*	3/2-	5.10 *10*	allowed		$^{65}_{31}Ga_{34}$	15.2 min *2*	0.0	3/2-	ec β+ 100 %	3254.5 *10*	$^{65}_{30}Zn_{35}$

#	<$E_{\beta+}$> [keV]	$I_{\beta+}$(abs) [%]	E_{EC} [keV]	I_{EC}(abs) [%]	Daughter level [keV]	J^{π}	Log*ft*	Transition type	Comments	Parent	$T_{1/2}$	E_x [keV]	Jp order	Decay	Q_{decay}[keV] see the note	Daught
260	382.2 *6*	0.51 *11*	(1910.9)	0.59 *12*	1343.94 *12*	5/2-	5.36 *9*	allowed		$^{65}_{31}Ga_{34}$	15.2 min *2*	0.0	3/2-	ec β+ 100 %	3254.5 *10*	$^{65}_{30}Zn_{35}$
261	512.8 *6*	1.9 *5*	(2207.5)	0.84 *19*	1047.43 *13*	5/2-	5.33 *10*	allowed		$^{65}_{31}Ga_{34}$	15.2 min *2*	0.0	3/2-	ec β+ 100 %	3254.5 *10*	$^{65}_{30}Zn_{35}$
262	574.3 *6*	0.71 *15*	(2345.2)	0.23 *5*	909.70 *10*	3/2-	5.95 *9*	allowed		$^{65}_{31}Ga_{34}$	15.2 min *2*	0.0	3/2-	ec β+ 100 %	3254.5 *10*	$^{65}_{30}Zn_{35}$
263	593.5 *6*	6.5 *14*	(2387.9)	1.9 *4*	866.93 *12*	1/2-	5.05 *9*	allowed		$^{65}_{31}Ga_{34}$	15.2 min *2*	0.0	3/2-	ec β+ 100 %	3254.5 *10*	$^{65}_{30}Zn_{35}$
264	594.5 *6*	0.035 *8*	(2390.2)	0.0099 *22*	864.7 *4*	7/2-	7.32 *10*	2nd non-unique		$^{65}_{31}Ga_{34}$	15.2 min *2*	0.0	3/2-	ec β+ 100 %	3254.5 *10*	$^{65}_{30}Zn_{35}$
265	637.8 *6*	1.8 *4*	(2486.0)	0.41 *10*	768.84 *12*	5/2-	5.74 *10*	allowed		$^{65}_{31}Ga_{34}$	15.2 min *2*	0.0	3/2-	ec β+ 100 %	3254.5 *10*	$^{65}_{30}Zn_{35}$
266	895.0 *6*	10.2 *22*	(3047.9)	0.85 *18*	206.95 *10*	3/2-	5.60 *9*	allowed		$^{65}_{31}Ga_{34}$	15.2 min *2*	0.0	3/2-	ec β+ 100 %	3254.5 *10*	$^{65}_{30}Zn_{35}$
267	937.6 *6*	**58 *14***	(3139.7)	4.2 *11*	115.126 *14*	3/2-	4.94 *11*	allowed		$^{65}_{31}Ga_{34}$	15.2 min *2*	0.0	3/2-	ec β+ 100 %	3254.5 *10*	$^{65}_{30}Zn_{35}$
268	966.0 *6*	10 *6*	(3200.9)	0.7 *4*	53.928 *10*	(1/2)-	5.74 *24*	allowed		$^{65}_{31}Ga_{34}$	15.2 min *2*	0.0	3/2-	ec β+ 100 %	3254.5 *10*	$^{65}_{30}Zn_{35}$
269			(169)	0.00122 *18*	5005.8 *3*	1+	7.47 *7*	allowed		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
270			(217)	0.0020 *5*	4958.2 *4*	1+	7.48 *11*	allowed		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
271			(309)	0.047 *6*	4866.056 *16*	1+	6.42 *6*	allowed		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
272			(714)	1.96 *17*	4461.409 *5*	1+	5.54 *4*	allowed		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
273			(537)	0.0042 *10*	4638.24 *14*	1	7.96 *11*	allowed		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
274			(499)	0.0015 *5*	4675.6 *5*	1+	8.35 *15*	allowed		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
275			(369)	2.30 *19*	4806.199 *5*	1+	4.89 *4*	allowed		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
276			(325)	0.033 *4*	4849.93 *3*	1+	6.62 *6*	allowed		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
277			(880)	6.2 *5*	4295.339 *4*	1+	5.23 *4*	allowed		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
278			(1089)	1.67 *14*	4085.983 *4*	1+	5.99 *4*	allowed		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
279	118.9 *13*	0.000016 *11*	(1293)	0.0014 *9*	3882.424 *10*	(2)+	9.2 *3*	2nd non-unique		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
280	142.9 *13*	0.000073 *15*	(1350)	0.0029 *6*	3825.0 *3*	0+	8.93 *9*	super allowed		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
281	157.0 *13*	0.94 *8*	1420 *50*	26.0 *21*	3791.123 *3*	1+	5.00 *4*	allowed		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
282	179.2 *13*	0.00041 *9*	(1437)	0.0068 *15*	3738.207 *21*	+	8.62 *10*			$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
283	308.9 *13*	0.16 *2*	(1743)	0.39 *4*	3432.408 *4*	1-	7.03 *4*	1st non-unique		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
284	311.1 *13*	0.0020 *5*	(1748)	0.0047 *11*	3427.406 *18*	1,2-	8.95 *11*			$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
285	331.1 *13*	0.70 *6*	(1794)	1.31 *11*	3380.944 *4*	1-	6.53 *4*	1st non-unique		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
286	397.1 *14*	3.7 *3*	1920 *50*	3.7 *3*	3228.885 *3*	1+	6.14 *4*	allowed		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
287	575.3 *14*	0.0053 *8*	(2348)	0.0017 *3*	2826.69 *5*	3-	9.66 *7*	3rd non-unique		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
288	781.6 *14*	0.30 *3*	2860 *50*	0.038 *3*	2372.353 *4*	0+	8.46 *4*	super allowed		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
289	1904.1 *15*	**51 *4***	5175 *3*	0.48 *4*	0	0+	7.88 *4*	super allowed		$^{66}_{31}Ga_{35}$	9.49 h *3*	0.0	0+	ec β+ 100 %	5175.5 *13*	$^{66}_{30}Zn_{36}$
290			(113.1)	0.281 *4*	887.693 *9*	5/2-	5.646 *12*	allowed		$^{67}_{31}Ga_{36}$	3.2617 d *5*	0	3/2-	ec 100 %	1001.2 *14*	$^{67}_{30}Zn_{37}$
291			(607.3)	23.6 *3*	393.527 *7*	3/2-	5.239 *6*	allowed		$^{67}_{31}Ga_{36}$	3.2617 d *5*	0	3/2-	ec 100 %	1001.2 *14*	$^{67}_{30}Zn_{37}$
292			(816.2)	22.71 *9*	184.576 *6*	3/2-	5.5153 *22*	allowed		$^{67}_{31}Ga_{36}$	3.2617 d *5*	0	3/2-	ec 100 %	1001.2 *14*	$^{67}_{30}Zn_{37}$
293			(907.5)	52.5 *11*	93.310 *5*	1/2-	5.244 *10*	allowed		$^{67}_{31}Ga_{36}$	3.2617 d *5*	0	3/2-	ec 100 %	1001.2 *14*	$^{67}_{30}Zn_{37}$
294			(1000.8)	0.9 *9*	0.0	5/2-	7.1 *5*	allowed		$^{67}_{31}Ga_{36}$	3.2617 d *5*	0	3/2-	ec 100 %	1001.2 *14*	$^{67}_{30}Zn_{37}$
295			(99.2)	0.0104 *5*	2821.86 *6*	2+	5.113 *24*	allowed		$^{68}_{31}Ga_{37}$	67.71 min *8*	0.0	1+	ec β+ 100 %	2921.1 *16*	$^{68}_{30}Zn_{38}$
296			(582.6)	0.0955 *22*	2338.48 *5*	2+	5.754 *11*	allowed		$^{68}_{31}Ga_{37}$	67.71 min *8*	0.0	1+	ec β+ 100 %	2921.1 *16*	$^{68}_{30}Zn_{38}$
297			(1037.9)	0.230 *4*	1883.16 *5*	2+	5.879 *8*	allowed		$^{68}_{31}Ga_{37}$	67.71 min *8*	0.0	1+	ec β+ 100 %	2921.1 *16*	$^{68}_{30}Zn_{38}$
298	107.5 *5*	0.000258 *14*	(1265.2)	0.0328 *17*	1655.87 *7*	0+	6.898 *23*	allowed		$^{68}_{31}Ga_{37}$	67.71 min *8*	0.0	1+	ec β+ 100 %	2921.1 *16*	$^{68}_{30}Zn_{38}$
299	352.6 *5*	1.19 *1*	(1843.7)	1.80 *2*	1077.36 *4*	2+	5.489 *5*	allowed		$^{68}_{31}Ga_{37}$	67.71 min *8*	0.0	1+	ec β+ 100 %	2921.1 *16*	$^{68}_{30}Zn_{38}$
300	836.0 *6*	**87.72 *9***	2912 *10*	8.92 *8*	0.0	0+	5.1942 *13*	allowed		$^{68}_{31}Ga_{37}$	67.71 min *8*	0.0	1+	ec β+ 100 %	2921.1 *16*	$^{68}_{30}Zn_{38}$
301			(654.6)	0.41 *5*	0.0	0+	4.72 *6*	allowed		$^{70}_{31}Ga_{39}$	21.14 min *5*	0.0	1+	ec 0.41 *5* %	654.6 *23*	$^{70}_{30}Zn_{40}$
302	4270 *160*	**55 *6***	(9990)	0.061 *9*	3420 *50*	(3/2-)	3.52 *11*	allowed		$^{61}_{32}Ge_{29}$	44 ms *6*	0	(3/2-)	ec β+ 100 %	13345 *302*	$^{61}_{31}Ga_{30}$
303	1199.8 *19*	≈ 6.7	(3700)	≈ 0.27	817.4 *4* ?	(1+)	≈ 5.2	allowed		$^{64}_{32}Ge_{32}$	63.7 s *25*	0.0	0+	ec β+ 100 %	4517 *4*	$^{64}_{31}Ga_{33}$
304	1270.8 *19*	≈ 16	(3850)	≈ 0.56	667.1 *3*	1+	≈ 4.9	allowed		$^{64}_{32}Ge_{32}$	63.7 s *25*	0.0	0+	ec β+ 100 %	4517 *4*	$^{64}_{31}Ga_{33}$
305	1384.5 *19*	**≈ 41**	3980 *250*	≈ 1.1	427.00 *22*	1+	≈ 4.6	allowed		$^{64}_{32}Ge_{32}$	63.7 s *25*	0.0	0+	ec β+ 100 %	4517 *4*	$^{64}_{31}Ga_{33}$
306	1526.8 *20*	≈ 18	(4389)	≈ 0.36	128.19 *13*	1+	≈ 5.2	allowed		$^{64}_{32}Ge_{32}$	63.7 s *25*	0.0	0+	ec β+ 100 %	4517 *4*	$^{64}_{31}Ga_{33}$
307	1588.1 *20*	< 1.3	(4517)	< 0.023	0.0 ?	0+	> 6.4	super allowed		$^{64}_{32}Ge_{32}$	63.7 s *25*	0.0	0+	ec β+ 100 %	4517 *4*	$^{64}_{31}Ga_{33}$
308			(1123)	0.00084 *10*	5117 *5*		6.32 *10*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
309			(1048)	0.00017 *10*	5192 *10*		6.9 *3*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
310			(1000)	0.00114 *15*	5240 *5*		6.08 *11*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
311			(941)	0.00050 *10*	5299 *5*		6.39 *14*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
312			(901)	0.00034 *10*	5339 *5*		6.52 *17*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
313			(886)	0.00020 *10*	5354 *10*		6.7 *3*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
314			(856)	0.00060 *10*	5384 *5*		6.22 *14*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
315			(847)	0.00007 *3*	5393 *10*		7.15 *22*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
316			(803)	0.00024 *5*	5437 *5*		6.57 *15*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
317			(772)	0.00012 *5*	5468 *5*		6.83 *22*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
318			(760)	0.00020 *5*	5480 *5*		6.60 *17*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
319			(732)	0.00066 *10*	5508 *5*		6.05 *15*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
320			(687)	0.00027 *5*	5553 *5*		6.38 *16*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
321			(677)	0.00010 *5*	5563 *10*		6.8 *3*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
322			(643)	0.00027 *5*	5597 *5*		6.32 *17*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
323			(597)	0.00045 *7*	5643 *5*		6.03 *18*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
324			(584)	0.00057 *7*	5656 *5*		5.91 *18*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
325			(562)	0.00052 *7*	5678 *5*		5.92 *19*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
326			(531)	0.00030 *5*	5709 *5*		6.10 *20*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
327			(482)	0.00015 *5*	5758 *10*		6.3 *3*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
328			(441)	0.00067 *10*	5799 *5*		5.59 *24*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
329			(396)	0.00045 *7*	5844 *5*		5.7 *3*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
330			(372)	0.00045 *7*	5868 *5*		5.6 *3*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
331			(340)	0.00013 *5*	5900 *5*		6.1 *4*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
332			(313)	0.00008 *4*	5927 *10*		6.2 *5*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
333			(300)	0.00024 *10*	5940 *10*		5.7 *5*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
334			(247)	0.00012 *5*	5993 *10*		5.8 *6*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
335	70 *44*		(1175)	0.00013 *5*	5065 *5*		7.17 *19*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
336	1513 *48*	6.6 *10*	(4361)	0.14 *3*	1879.3 *2*		5.29 *9*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
337	1617 *48*	0.68 *13*	(4577)	0.012 *3*	1662.8 *6*	1/2-,3/2-	6.40 *10*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
338	2028 *49*	22 *3*	(5431)	0.20 *3*	809.2 *2*	1/2-,3/2-	5.32 *8*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
339	2105 *49*	**35 *5***	(5590)	0.28 *5*	649.7 *2*	1/2-,3/2-	5.19 *8*			$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
340	2328 *49*	4.4 *10*	(6049)	0.027 *7*	190.8 *2*	5/2-	6.28 *11*	allowed		$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
341	2390 *49*	30 *8*	(6178)	0.17 *5*	62.0 *2*	(1/2)-	5.50 *13*	allowed		$^{65}_{32}Ge_{33}$	30.9 s *5*	0.0	3/2-	ec β+ 100 %	6179.3 *23*	$^{65}_{31}Ga_{34}$
342			(331)	0.18 *6*	1769.35 *20*	1+	5.33 *17*	allowed		$^{66}_{32}Ge_{34}$	2.26 h *5*	0.0	0+	ec β+ 100 %	2116.7 *3*	$^{66}_{31}Ga_{35}$
343			(526)	0.18 *12*	1573.7 *3*	1(+)	5.7 *3*	allowed		$^{66}_{32}Ge_{34}$	2.26 h *5*	0.0	0+	ec β+ 100 %	2116.7 *3*	$^{66}_{31}Ga_{35}$
344			(543)	1.41 *11*	1556.66 *4*	1+	4.87 *7*	allowed		$^{66}_{32}Ge_{34}$	2.26 h *5*	0.0	0+	ec β+ 100 %	2116.7 *3*	$^{66}_{31}Ga_{35}$
345			(644)	1.30 *10*	1456.09 *7*	1+	5.06 *6*	allowed		$^{66}_{32}Ge_{34}$	2.26 h *5*	0.0	0+	ec β+ 100 %	2116.7 *3*	$^{66}_{31}Ga_{35}$
346			(890)	0.18 *3*	1210.18 *4*		6.20 *8*			$^{66}_{32}Ge_{34}$	2.26 h *5*	0.0	0+	ec β+ 100 %	2116.7 *3*	$^{66}_{31}Ga_{35}$
347			(936)	0.08 *4*	1164.22 *22*		6.60 *22*			$^{66}_{32}Ge_{34}$	2.26 h *5*	0.0	0+	ec β+ 100 %	2116.7 *3*	$^{66}_{31}Ga_{35}$
348			(1023)	0.07 *6*	1076.6 *4*		6.7 *4*			$^{66}_{32}Ge_{34}$	2.26 h *5*	0.0	0+	ec β+ 100 %	2116.7 *3*	$^{66}_{31}Ga_{35}$
349			(1038)	0.12 *6*	1061.98 *22*		6.51 *22*			$^{66}_{32}Ge_{34}$	2.26 h *5*	0.0	0+	ec β+ 100 %	2116.7 *3*	$^{66}_{31}Ga_{35}$
350			(1099)	0.10 *3*	1001.38 *15*		6.64 *14*			$^{66}_{32}Ge_{34}$	2.26 h *5*	0.0	0+	ec β+ 100 %	2116.7 *3*	$^{66}_{31}Ga_{35}$
351			(1126)	0.17 *5*	974.14 *6*	(1,2+)	6.43 *13*			$^{66}_{32}Ge_{34}$	2.26 h *5*	0.0	0+	ec β+ 100 %	2116.7 *3*	$^{66}_{31}Ga_{35}$
352	95 *13*	0.0031 *22*	(1234)	0.80 *9*	865.82 *10*	1+	5.84 *6*	allowed		$^{66}_{32}Ge_{34}$	2.26 h *5*	0.0	0+	ec β+ 100 %	2116.7 *3*	$^{66}_{31}Ga_{35}$
353	162 *13*	0.31 *10*	(1394)	9.0 *5*	705.990 *23*	1+	4.90 *4*	allowed		$^{66}_{32}Ge_{34}$	2.26 h *5*	0.0	0+	ec β+ 100 %	2116.7 *3*	$^{66}_{31}Ga_{35}$
354	233 *13*	2.7 *5*	(1563)	19.5 *9*	536.62 *3*	1+	4.66 *4*	allowed		$^{66}_{32}Ge_{34}$	2.26 h *5*	0.0	0+	ec β+ 100 %	2116.7 *3*	$^{66}_{31}Ga_{35}$
355	299 *13*	**12.0 *14***	(1718)	36.3 *20*	381.859 *24*	1+	4.47 *4*	allowed		$^{66}_{32}Ge_{34}$	2.26 h *5*	0.0	0+	ec β+ 100 %	2116.7 *3*	$^{66}_{31}Ga_{35}$

#	<$E_{\beta+}$> [keV]	$I_{\beta+}$(abs) [%]	E_{EC} [keV]	I_{EC}(abs) [%]	Daughter level [keV]	J^{π}	Log*ft*	Transition type	Comments	Parent	$T_{1/2}$	E_x [keV]	Jp order	Decay	Q_{decay}[keV] see the note	Daught
356	418 *14*	0.7 *6*	(1991)	0.6 *6*	108.874 *21* ?	1+	6.4 *4*	allowed		$^{66}_{32}Ge_{34}$	2.26 h *5*	0.0	0+	ec β+ 100 %	2116.7 *3*	$^{66}_{31}Ga_{35}$
357	437 *14*	0.7 *6*	(2034)	0.6 *6*	66.14 *4* ?	(2)+	6.4 *4*	2nd non-unique		$^{66}_{32}Ge_{34}$	2.26 h *5*	0.0	0+	ec β+ 100 %	2116.7 *3*	$^{66}_{31}Ga_{35}$
358	446 *14*	7.2 *12*	(2056)	5.7 *9*	43.81 *3*	1+	5.43 *8*	allowed		$^{66}_{32}Ge_{34}$	2.26 h *5*	0.0	0+	ec β+ 100 %	2116.7 *3*	$^{66}_{31}Ga_{35}$
359			(494)	0.030 *4*	3728.0 *9*	(1/2-,3/2-)	5.60 *6*			$^{67}_{32}Ge_{35}$	18.9 min *3*	0	1/2-	ec β+ 100 %	4205 *4*	$^{67}_{31}Ga_{36}$
360			(567)	0.040 *6*	3655.4 *7*	(1/2-,3/2-)	5.60 *7*			$^{67}_{32}Ge_{35}$	18.9 min *3*	0	1/2-	ec β+ 100 %	4205 *4*	$^{67}_{31}Ga_{36}$
361			(590)	0.014 *3*	3632.2 *15*		6.09 *10*			$^{67}_{32}Ge_{35}$	18.9 min *3*	0	1/2-	ec β+ 100 %	4205 *4*	$^{67}_{31}Ga_{36}$
362			(820)	0.186 *18*	3401.6 *5*	(1/2-,3/2-)	5.26 *5*			$^{67}_{32}Ge_{35}$	18.9 min *3*	0	1/2-	ec β+ 100 %	4205 *4*	$^{67}_{31}Ga_{36}$
363			(997)	0.45 *4*	3225.1 *3*	3/2-	5.04 *4*	allowed		$^{67}_{32}Ge_{35}$	18.9 min *3*	0	1/2-	ec β+ 100 %	4205 *4*	$^{67}_{31}Ga_{36}$
364			(1060)	0.134 *12*	3162.0 *8*		5.62 *4*			$^{67}_{32}Ge_{35}$	18.9 min *3*	0	1/2-	ec β+ 100 %	4205 *4*	$^{67}_{31}Ga_{36}$
365	202.9 *22*	0.024 *3*	(1491)	0.30 *3*	2730.7 *4*	(1/2-,3/2-)	5.58 *5*			$^{67}_{32}Ge_{35}$	18.9 min *3*	0	1/2-	ec β+ 100 %	4205 *4*	$^{67}_{31}Ga_{36}$
366	249.9 *22*	0.0183 *20*	(1602)	0.105 *11*	2619.6 *5*		6.09 *5*			$^{67}_{32}Ge_{35}$	18.9 min *3*	0	1/2-	ec β+ 100 %	4205 *4*	$^{67}_{31}Ga_{36}$
367	289.5 *22*	0.047 *6*	(1695)	0.159 *17*	2526.7 *5*	(1/2-,3/2-)	5.96 *5*			$^{67}_{32}Ge_{35}$	18.9 min *3*	0	1/2-	ec β+ 100 %	4205 *4*	$^{67}_{31}Ga_{36}$
368	530.5 *23*	0.086 *11*	(2246)	0.040 *5*	1976.1 *5*		6.81 *6*			$^{67}_{32}Ge_{35}$	18.9 min *3*	0	1/2-	ec β+ 100 %	4205 *4*	$^{67}_{31}Ga_{36}$
369	605.0 *23*	4.1 *3*	(2412)	1.27 *10*	1809.84 *18*	3/2-	5.36 *4*	allowed		$^{67}_{32}Ge_{35}$	18.9 min *3*	0	1/2-	ec β+ 100 %	4205 *4*	$^{67}_{31}Ga_{36}$
370	681.8 *23*	7.5 *5*	(2582)	1.60 *9*	1639.92 *17*	3/2-	5.32 *3*	allowed		$^{67}_{32}Ge_{35}$	18.9 min *3*	0	1/2-	ec β+ 100 %	4205 *4*	$^{67}_{31}Ga_{36}$
371	720.0 *24*	0.024 *4*	(2666)	0.0043 *7*	1555.9 *11*	5/2-	7.92 *7*	2nd non-unique		$^{67}_{32}Ge_{35}$	18.9 min *3*	0	1/2-	ec β+ 100 %	4205 *4*	$^{67}_{31}Ga_{36}$
372	882.0 *24*	0.012 *3*	(3019)	0.0012 *3*	1203 *1*	7/2-	8.60 *10*	2nd unique		$^{67}_{32}Ge_{35}$	18.9 min *3*	0	1/2-	ec β+ 100 %	4205 *4*	$^{67}_{31}Ga_{36}$
373	938.2 *24*	3.5 *4*	(3140)	0.29 *3*	1081.64 *18*	1/2-	6.24 *5*	allowed		$^{67}_{32}Ge_{35}$	18.9 min *3*	0	1/2-	ec β+ 100 %	4205 *4*	$^{67}_{31}Ga_{36}$
374	1056.2 *24*	1.0 *3*	(3394)	0.061 *17*	828.33 *15*	3/2-	6.98 *12*	allowed		$^{67}_{32}Ge_{35}$	18.9 min *3*	0	1/2-	ec β+ 100 %	4205 *4*	$^{67}_{31}Ga_{36}$
375	1367.9 *24*	**74 *5***	(4055)	2.05 *14*	167.01 *5*	1/2-	5.61 *4*	allowed		$^{67}_{32}Ge_{35}$	18.9 min *3*	0	1/2-	ec β+ 100 %	4205 *4*	$^{67}_{31}Ga_{36}$
376			(106.9)	100 *0*	0.0	1+	5.006 *22*	allowed		$^{68}_{32}Ge_{36}$	270.93 d *13*	0	0+	ec 100 %	107.3 *24*	$^{68}_{31}Ga_{37}$
377			(739.1)	0.18 *3*	1487.96 *10*	7/2-	7.28 *8*	allowed		$^{69}_{32}Ge_{37}$	39.05 h *10*	0	5/2-	ec β+ 100 %	2227.1 *18*	$^{69}_{31}Ga_{38}$
378			(701.2)	0.77 *10*	1525.86 *6*	3/2-	6.60 *6*	allowed		$^{69}_{32}Ge_{37}$	39.05 h *10*	0	5/2-	ec β+ 100 %	2227.1 *18*	$^{69}_{31}Ga_{38}$
379			(503.7)	0.079 *11*	1723.35 *22*	5/2-	7.30 *6*	allowed		$^{69}_{32}Ge_{37}$	39.05 h *10*	0	5/2-	ec β+ 100 %	2227.1 *18*	$^{69}_{31}Ga_{38}$
380			(335.6)	0.71 *9*	1891.51 *8*	3/2-	5.98 *6*	allowed		$^{69}_{32}Ge_{37}$	39.05 h *10*	0	5/2-	ec β+ 100 %	2227.1 *18*	$^{69}_{31}Ga_{38}$
381			(303.1)	1.26 *16*	1924.02 *8*	7/2-	5.64 *6*	allowed		$^{69}_{32}Ge_{37}$	39.05 h *10*	0	5/2-	ec β+ 100 %	2227.1 *18*	$^{69}_{31}Ga_{38}$
382			(203.4)	0.63 *8*	2023.68 *10*	5/2-	5.58 *6*	allowed		$^{69}_{32}Ge_{37}$	39.05 h *10*	0	5/2-	ec β+ 100 %	2227.1 *18*	$^{69}_{31}Ga_{38}$
383			(182.2)	0.047 *8*	2044.9 *4*	5/2-	6.61 *8*	allowed		$^{69}_{32}Ge_{37}$	39.05 h *10*	0	5/2-	ec β+ 100 %	2227.1 *18*	$^{69}_{31}Ga_{38}$
384			(890.5)	4.4 *7*	1336.61 *8*	7/2-	6.05 *7*	allowed		$^{69}_{32}Ge_{37}$	39.05 h *10*	0	5/2-	ec β+ 100 %	2227.1 *18*	$^{69}_{31}Ga_{38}$
385	46.64 *22*	0.0055 *6*	(1120.3)	37 *4*	1106.78 *6*	5/2-	5.33 *5*	allowed		$^{69}_{32}Ge_{37}$	39.05 h *10*	0	5/2-	ec β+ 100 %	2227.1 *18*	$^{69}_{31}Ga_{38}$
386	145.69 *21*	0.26 *4*	(1355.1)	11.5 *16*	872.00 *6*	3/2-	6.00 *6*	allowed		$^{69}_{32}Ge_{37}$	39.05 h *10*	0	5/2-	ec β+ 100 %	2227.1 *18*	$^{69}_{31}Ga_{38}$
387	271.45 *22*	2.3 *3*	(1653.0)	10.0 *15*	574.12 *6*	5/2-	6.24 *7*	allowed		$^{69}_{32}Ge_{37}$	39.05 h *10*	0	5/2-	ec β+ 100 %	2227.1 *18*	$^{69}_{31}Ga_{38}$
388	522.10 *23*	**21 *5***	(2227.1)	10 *3*	0.0	3/2-	6.49 *12*	allowed		$^{69}_{32}Ge_{37}$	39.05 h *10*	0	5/2-	ec β+ 100 %	2227.1 *18*	$^{69}_{31}Ga_{38}$
389			232.47 *9*	100 *0*	0.0	3/2-	4.349 *1*	allowed		$^{71}_{32}Ge_{39}$	11.43 d *3*	0.0	1/2-	ec 100 %	232.5 *12*	$^{71}_{31}Ga_{40}$
390			(10100)		0.0	0+		super allowed		$^{66}_{33}As_{33}$	95.77 ms *23*	0.0	[0+]	ec β+ 100 %	9582 *6*	$^{66}_{32}Ge_{34}$
391	1100 *47*	0.27 *17*	(3486)	0.016 *11*	2523.7 *11*		6.2 *3*			$^{67}_{33}As_{34}$	42.5 s *12*	0	(5/2-)	ec β+ 100 %	6086 *4*	$^{67}_{32}Ge_{35}$
392	1228 *48*	0.36 *19*	(3759)	0.016 *8*	2251.1 *11*		6.29 *23*			$^{67}_{33}As_{34}$	42.5 s *12*	0	(5/2-)	ec β+ 100 %	6086 *4*	$^{67}_{32}Ge_{35}$
393	1244 *48*	3.6 *14*	(3792)	0.15 *6*	2218.2 *10*		5.31 *18*			$^{67}_{33}As_{34}$	42.5 s *12*	0	(5/2-)	ec β+ 100 %	6086 *4*	$^{67}_{32}Ge_{35}$
394	1301 *48*	0.32 *18*	(3913)	0.012 *7*	2096.8 *11*		6.5 *3*			$^{67}_{33}As_{34}$	42.5 s *12*	0	(5/2-)	ec β+ 100 %	6086 *4*	$^{67}_{32}Ge_{35}$
395	1394 *48*	1.8 *6*	(4109)	0.055 *19*	1900.9 *4*		5.82 *16*			$^{67}_{33}As_{34}$	42.5 s *12*	0	(5/2-)	ec β+ 100 %	6086 *4*	$^{67}_{32}Ge_{35}$
396	1490 *48*	0.7 *4*	(4311)	0.017 *9*	1698.7 *11*		6.37 *23*			$^{67}_{33}As_{34}$	42.5 s *12*	0	(5/2-)	ec β+ 100 %	6086 *4*	$^{67}_{32}Ge_{35}$
397	1512 *48*	1.0 *6*	(4357)	0.023 *14*	1652.9 *4*		6.2 *3*			$^{67}_{33}As_{34}$	42.5 s *12*	0	(5/2-)	ec β+ 100 %	6086 *4*	$^{67}_{32}Ge_{35}$
398	1684 *48*	3.1 *12*	(4716)	0.055 *21*	1293.9 *4*		5.94 *18*			$^{67}_{33}As_{34}$	42.5 s *12*	0	(5/2-)	ec β+ 100 %	6086 *4*	$^{67}_{32}Ge_{35}$
399	1693 *48*	1.9 *6*	(4736)	0.032 *11*	1274.1 *5*		6.18 *15*			$^{67}_{33}As_{34}$	42.5 s *12*	0	(5/2-)	ec β+ 100 %	6086 *4*	$^{67}_{32}Ge_{35}$
400	1815 *49*	1.6 *12*	(4990)	0.022 *17*	1020.0 *3*	5/2(-)	6.4 *4*	allowed		$^{67}_{33}As_{34}$	42.5 s *12*	0	(5/2-)	ec β+ 100 %	6086 *4*	$^{67}_{32}Ge_{35}$
401	1917 *49*	12.8 *20*	(5202)	0.16 *3*	808.15 *21*		5.57 *9*			$^{67}_{33}As_{34}$	42.5 s *12*	0	(5/2-)	ec β+ 100 %	6086 *4*	$^{67}_{32}Ge_{35}$
402	1964 *49*	6.4 *9*	(5298)	0.073 *12*	711.6 *4*	5/2(-)	5.92 *8*	allowed		$^{67}_{33}As_{34}$	42.5 s *12*	0	(5/2-)	ec β+ 100 %	6086 *4*	$^{67}_{32}Ge_{35}$
403	2190 *49*	19.8 *20*	(5766)	0.164 *20*	243.62 *20*	3/2(-)	5.64 *7*	allowed		$^{67}_{33}As_{34}$	42.5 s *12*	0	(5/2-)	ec β+ 100 %	6086 *4*	$^{67}_{32}Ge_{35}$
404	2249 *49*	6.5 *15*	(5887)	0.050 *12*	122.67 *19*	3/2(-)	6.18 *11*	allowed		$^{67}_{33}As_{34}$	42.5 s *12*	0	(5/2-)	ec β+ 100 %	6086 *4*	$^{67}_{32}Ge_{35}$
405	2300 *49*	**39 *11***	(5992)	0.28 *8*	18.26 *22*	5/2-	5.44 *13*	allowed		$^{67}_{33}As_{34}$	42.5 s *12*	0	(5/2-)	ec β+ 100 %	6086 *4*	$^{67}_{32}Ge_{35}$
406	969.2 *16*	0.14 *7*	(3205)	0.012 *6*	4878.5 *14*		6.82 *24*			$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
407	1114.2 *15*	0.4 *1*	(3516)	0.02 *1*	4567.9 *10*	(2+)	6.64 *11*	allowed		$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
408	1269.1 *15*	0.14 *8*	(3845)	0.006 *3*	4238.9 *10*	(2+)	7.30 *24*	allowed		$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
409	1472.7 *15*	1.2 *1*	(4274)	0.030 *3*	3809.7 *10*	2+	6.67 *4*	allowed		$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
410	1609.8 *16*	1.4 *1*	(4561)	0.027 *2*	3522.5 *10*	2+	6.77 *4*	allowed		$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
411	1632.5 *16*	4.9 *8*	(4609)	0.094 *15*	3475.1 *10*		6.24 *7*			$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
412	1659.9 *15*	2.7 *1*	(4666)	0.048 *2*	3417.9 *5*		6.540 *17*			$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
413	1668.1 *15*	6.2 *3*	(4683)	0.11 *1*	3400.8 *4*	2(+)	6.181 *21*	allowed		$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
414	1722.2 *15*	1.1 *1*	(4796)	0.018 *2*	3288.0 *7*	2(+)	7.00 *4*	allowed		$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
415	1818.4 *15*	3.0 *2*	(4996)	0.042 *3*	3087.8 *5*	2(+)	6.66 *3*	allowed		$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
416	1840.6 *15*	15.1 *6*	(5042)	0.205 *8*	3041.5 *3*	(4+)	5.979 *18*	allowed		$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
417	1849.3 *15*	3.9 *3*	(5060)	0.053 *4*	3023.6 *5*	2+	6.57 *4*	allowed		$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
418	1885.7 *15*	0.92 *8*	(5136)	0.012 *1*	2947.9 *5*	2+	7.24 *4*	allowed		$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
419	1942.1 *15*	3.30 *22*	(5253)	0.038 *3*	2830.9 *4*	4+	6.74 *3*	allowed		$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
420	2029.8 *16*	0.90 *11*	(5435)	0.0093 *11*	2649.4 *10*	3-	7.39 *6*	1st non-unique		$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
421	2122.6 *15*	3.5 *8*	(5626)	0.031 *7*	2457.7 *7*	2+	6.89 *10*	allowed		$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
422	2136.2 *15*	**36.0 *20***	(5654)	0.320 *18*	2429.5 *3*	3+	5.885 *24*	allowed		$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
423	2214.2 *15*	3.1 *4*	(5815)	0.025 *3*	2268.6 *4*	4+	7.02 *6*	allowed		$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
424	2452.6 *15*	7 *3*	(6306)	0.04 *2*	1778.15 *23*	2+	6.86 *19*	allowed		$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
425	2464.0 *15*	< 0.2	(6329)	< 0.001	1754.8 *4*	0+	> 8.4	2nd unique		$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
426	2824.5 *15*	4.0 *22*	(7068)	0.016 *9*	1016.23 *22*	2+	7.38 *24*	allowed		$^{68}_{33}As_{35}$	151.6 s *8*	0.0	3+	ec β+ 100 %	8084.3 *3*	$^{68}_{32}Ge_{36}$
427			(557)	0.10 *3*	3433.4 *3*	3/2-,5/2-,7/2-	5.18 *12*			$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
428			(1009)	0.174 *17*	2980.7 *3*	7/2-	5.44 *5*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
429			(1043)	0.06 *4*	2946.8 *4*		5.9 *3*			$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
430	98 *13*	0.0004 *4*	(1217)	0.19 *4*	2772.99 *25*	5/2-	5.57 *10*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
431	114 *13*	0.0007 *4*	(1255)	0.138 *17*	2735.49 *22*	3/2-	5.73 *6*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
432	173 *13*	0.0049 *17*	(1395)	0.159 *18*	2594.8 *3*	3/2-,5/2-	5.76 *5*			$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
433	321 *14*	0.12 *2*	(1743)	0.37 *3*	2246.83 *17*	5/2-	5.59 *5*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
434	325 *14*	0.11 *2*	(1754)	0.31 *4*	2236.4 *3*	3/2-	5.67 *6*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
435	428 *14*	0.187 *17*	(1989)	0.213 *19*	2000.7 *3*	5/2-	5.95 *5*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
436	476 *14*	0.168 *12*	(2099)	0.134 *11*	1891.03 *16*	3/2-	6.21 *5*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
437	531 *14*	0.65 *5*	(2223)	0.36 *3*	1767.14 *13*	3/2-	5.82 *5*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
438	600 *14*	0.46 *4*	(2376)	0.17 *2*	1614.32 *24*	7/2-	6.20 *5*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
439	601 *14*	0.25 *2*	(2379)	0.093 *10*	1611.12 *17*	5/2-	6.47 *6*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
440	633 *14*	0.086 *9*	(2450)	0.028 *3*	1539.7 *4*	3/2-	7.02 *6*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
441	661 *14*	0.170 *10*	(2511)	0.048 *4*	1479.0 *3*	7/2-	6.81 *5*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
442	690 *14*	0.21 *2*	(2575)	0.051 *6*	1415.02 *17*	5/2-	6.80 *6*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
443	739 *15*	0.34 *3*	(2683)	0.068 *7*	1307.32 *16*	3/2-	6.71 *6*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
444	790 *15*	0.52 *4*	(2794)	0.084 *8*	1196.07 *14*	5/2-	6.65 *5*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
445	806 *15*	0.41 *2*	(2830)	0.062 *4*	1160.15 *17*	3/2-	6.79 *4*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
446	911 *15*	0.48 *6*	(3057)	0.051 *7*	933.38 *17*	5/2-	6.94 *7*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
447	944 *15*	0.52 *5*	(3128)	0.049 *5*	862.21 *20*	7/2-	6.98 *5*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
448	967 *15*	0.64 *9*	(3177)	0.057 *8*	812.53 *12*	5/2+	6.75 *4*	1st non-unique		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
449	1172 *15*	0.76 *8*	(3616)	0.038 *4*	374.11 *5*	3/2-	7.21 *5*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
450	1182 *15*	0.70 *7*	(3592)	0.095 *10*	397.94 *15*	9/2+	8.51 *6*	1st unique		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
451	1238 *15*	14.0 *5*	(3757)	0.60 *3*	232.736 *24*	3/2-	6.05 *2*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$

#	<$E_{\beta+}$> [keV]	$I_{\beta+}$(abs) [%]	E_{EC} [keV]	I_{EC}(abs) [%]	Daughter level [keV]	J^{π}	Log*ft*	Transition type	Comments	Parent	$T_{1/2}$	E_x [keV]	Jp order	Decay	Q_{decay}[keV] see the note	Daught
452	1349 *15*	**73.3 *9***	(3990)	2.47 *8*	0	5/2-	5.49 *2*	allowed		$^{69}_{33}As_{36}$	15.2 min *2*	0.0	5/2-	ec β+ 100 %	3988 *32*	$^{69}_{32}Ge_{37}$
453			(850)	0.84 *6*	5370.07 *5*		5.13 *7*			$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
454			(954)	0.164 *19*	5265.81 *14*		5.94 *7*			$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
455	226 *22*	0.008 *3*	(1545)	0.077 *11*	4675.41 *21*	(3,4+)	6.69 *8*			$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
456	268 *22*	0.034 *10*	(1643)	0.18 *3*	4577.23 *16*	(3,4+)	6.39 *8*			$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
457	413 *22*	0.12 *3*	(1977)	0.14 *3*	4243.11 *15*		6.64 *11*			$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
458	475 *23*	0.59 *7*	(2119)	0.45 *6*	4101.45 *5*	(3-)	6.20 *7*	1st non-unique		$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
459	666 *23*	1.03 *14*	(2544)	0.27 *4*	3675.75 *7*	3+,4+	6.58 *8*			$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
460	713 *23*	0.35 *4*	(2649)	0.075 *11*	3570.51 *7*	(2,3)-	7.17 *8*			$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
461	751 *23*	6.0 *4*	(2732)	1.1 *1*	3488.234 *24*	(3,4+)	6.04 *6*			$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
462	804 *23*	0.17 *3*	(2848)	0.026 *6*	3371.64 *10*	(3,4)	7.70 *10*			$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
463	840 *23*	0.63 *12*	(2925)	0.082 *17*	3294.76 *8*	3+,4+	7.22 *10*			$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
464	949 *24*	**35.6 *19***	(3161)	3.2 *3*	3058.720 *24*	4+	5.69 *5*	allowed		$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
465	954 *24*	31.9 *19*	(3174)	2.8 *3*	3046.43 *3*	3+	5.75 *5*	allowed		$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
466	1066 *24*	1.2 *4*	(3414)	0.08 *3*	2806.25 *3*	4+	7.37 *14*	allowed		$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
467	1181 *24*	1.6 *4*	(3658)	0.078 *19*	2562.05 *3*	3-	7.44 *11*	1st non-unique		$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
468	1194 *24*	0.80 *16*	(3685)	0.037 *8*	2534.93 *4*	2+	7.76 *10*	2nd non-unique		$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
469	1233 *24*	5.66 *19*	(3769)	0.241 *16*	2451.30 *3*	3+	6.97 *4*	allowed		$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
470	1372 *24*	0.8 *3*	(4063)	0.02 *1*	2156.73 *3*	2+	8.04 *17*	2nd non-unique		$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
471	1374 *24*	4.3 *15*	(4067)	0.13 *5*	2153.17 *3* ?	4+	7.30 *16*	allowed		$^{70}_{33}As_{37}$	52.6 min *3*	0.0	4+	ec β+ 100 %	6228.1 *16*	$^{70}_{32}Ge_{38}$
472			(48)	0.0012 *3*	1965.06 *7*	3/2-	7.18 *14*	allowed		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
473			(76)	0.0196 *6*	1937.45 *3*	(3/2+,5/2-)	6.42 *6*			$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
474			(212)	0.035 *3*	1801.13 *7*	(5/2+,7/2)	7.14 *5*			$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
475			(221)	0.105 *4*	1792.098 *9*	(3/2+,5/2-)	6.71 *3*			$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
476			(232)	0.0292 *23*	1780.746 *19*	5/2-,7/2-	7.31 *4*			$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
477			(270)	0.076 *4*	1743.409 *18*	3/2-	7.03 *3*	allowed		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
478			(384)	0.102 *9*	1629.178 *12*	(3/2+,5/2-)	7.21 *4*			$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
479			(414)	0.232 *18*	1598.535 *17*	3/2-	6.93 *4*	allowed		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
480			(454)	0.251 *7*	1558.744 *14*	5/2+	6.97 *2*	1st non-unique		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
481			(507)	0.176 *6*	1506.381 *14*	7/2-	7.22 *2*	allowed		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
482			(563)	0.033 *17*	1449.8 *3*		8.04 *23*			$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
483			(591)	0.0007 *3*	1421.97 *10* ?	9/2-	9.74 *15*	2nd non-unique		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
484			(606)	0.215 *7*	1406.651 *10*	7/2-	7.30 *2*	allowed		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
485			(634)	0.0009 *4*	1379.0 *5* ?	(1/2-)	9.71 *20*	2nd non-unique		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
486			(634)	0.21 *3*	1378.70 *5*	5/2-	7.35 *7*	allowed		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
487			(714)	0.222 *11*	1298.737 *14*	3/2-	7.43 *2*	allowed		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
488			(800)	1.09 *6*	1212.498 *6*	5/2-	6.84 *3*	allowed		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
489			(808)	0.730 *19*	1205.145 *8*	5/2+	7.02 *2*	1st non-unique		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
490			(874)	1.02 *3*	1139.446 *8*	3/2-	6.94 *2*	allowed		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
491			(917)	0.017 *8*	1096.06 *20*	7/2-	8.76 *21*	allowed		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
492			(917)	4.59 *13*	1095.512 *6*	3/2-	6.33 *2*	allowed		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
493			(975)	0.0033 *17*	1038.29 *10*	9/2+	10.08 *23*	1st unique		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
494			(986)	1.55 *5*	1026.543 *6*	5/2-	6.87 *2*	allowed		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
495			(1126)	0.0107 *19*	886.94 *10*	(3/2-)	9.14 *8*	allowed		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
496	83.1 *18*	0.000025 *17*	(1205)	0.014 *9*	808.230 *17*	1/2-	9.1 *3*	2nd non-unique		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
497	125.3 *17*	< 0.0005	(1305)	< 0.05	708.199 *5* ?	3/2-	> 8.6	allowed		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
498	175.0 *17*	< 0.001	(1423)	< 0.03	589.771 *11* ?	7/2+	> 8.9	1st non-unique		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
499	202.2 *17*	0.198 *8*	(1488)	2.85 *8*	525.116 *6*	5/2+	6.96 *2*	1st non-unique		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
500	212.9 *17*	0.145 *8*	(1513)	1.73 *8*	499.899 *5*	3/2-	7.19 *2*	allowed		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
501	352.0 *18*	**28.0 *9***	1834 *7*	56.4 *16*	174.954 *4*	5/2-	5.85 *2*	allowed		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
502	367.9 *18*	< 0.04	(1815)	< 0.5	198.371 *10* ?	9/2+	> 9.0	1st unique		$^{71}_{33}As_{38}$	65.30 h *7*	0.0	5/2-	ec β+ 100 %	2013 *4*	$^{71}_{32}Ge_{39}$
503			(1031)	0.073 *4*	3325.10 *8*	(3)-	7.832 *24*	allowed		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
504			(1018)	0.015 *3*	3337.9 *3* ?	(1,2+)	8.51 *9*			$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
505			(1014)	0.369 *12*	3341.83 *8*	(2)-	7.114 *15*	allowed		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
506			(936)	0.105 *19*	3419.76 *18*	2+	7.59 *8*	1st non-unique		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
507			(901)	1.00 *4*	3455.31 *5*	2-,3-	6.577 *18*			$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
508			(805)	0.078 *7*	3550.66 *17*	(1)-	7.59 *4*	allowed		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
509			(737)	0.014 *2*	3619.2 *5* ?	2+	8.25 *7*	1st non-unique		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
510			(689)	0.017 *2*	3667.3 *3* ?	+	8.11 *6*			$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
511			(678)	0.102 *9*	3678.04 *11*	2-,3-	7.32 *4*			$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
512			(647)	0.084 *4*	3708.62 *15*	2+	7.362 *22*	1st non-unique		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
513			(552)	0.200 *12*	3803.55 *7*	1,2+	6.85 *3*			$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
514			(540)	0.013 *0*	3815.9 *5*	2-,3-	8.0			$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
515			(484)	0.0052 *10*	3872.2 *4*	2+	8.31 *9*	1st non-unique		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
516			(372)	0.091 *12*	3983.76 *16*		6.84 *6*			$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
517			(370)	0.064 *6*	3985.92 *15*		6.98 *5*			$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
518			(361)	0.0644 *24*	3995.22 *22*	1+,2+	6.959 *19*			$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
519			(315)	0.025 *3*	4041.0 *4*		7.25 *6*			$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
520			(266)	0.0056 *7*	4090.4 *5*	+	7.74 *6*			$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
521	107.2 *17*	0.00126 *14*	(1262)	0.231 *21*	3094.29 *12*	2+	7.51 *4*	1st non-unique		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
522	131.7 *17*	0.0066 *4*	(1320)	0.508 *20*	3035.73 *7*	2-	7.206 *18*	allowed		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
523	167.5 *17*	< 0.0010	(1406)	< 0.031	2950.4 *3* ?	1+,2+,3+	> 8.5			$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
524	170.5 *17*	0.0203 *10*	(1413)	0.563 *15*	2943.43 *6*	3-	7.221 *13*	allowed		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
525	171.9 *17*	0.063 *3*	(1416)	1.70 *4*	2939.95 *5*	1-	6.744 *11*	allowed		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
526	250.5 *17*	< 0.015	(1602)	< 0.095	2754.27 *20* ?	(0+)	> 8.1	1st unique		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
527	353.4 *18*	0.466 *18*	(1841)	0.92 *3*	2514.76 *4*	3-	7.237 *17*	allowed		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
528	402.3 *18*	0.17 *1*	(1954)	0.21 *1*	2402.31 *5*	2+	7.924 *24*	1st non-unique		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
529	551.6 *18*	0.032 *10*	(2291)	0.015 *5*	2064.87 *4*	3+	9.22 *14*	1st non-unique		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
530	730.5 *18*	0.056 *14*	(2628)	0.039 *10*	1728.29 *4*	4+	10.34 *11*	1st unique		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
531	824.3 *19*	5.82 *18*	(2892)	0.80 *3*	1463.99 *3*	2+	7.692 *14*	1st non-unique		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
532	1117.0 *19*	**64.2 *14***	(3522)	3.63 *9*	834.01 *3*	2+	7.208 *11*	1st non-unique		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
533	1205.3 *19*	0.7 *4*	(3665)	0.09 *4*	691.42 *6*	0+	10.56 *22*	1st unique		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
534	1528.5 *19*	16.3 *17*	(4356)	0.94 *10*	0	0+	9.84 *5*	1st unique		$^{72}_{33}As_{39}$	26.0 h *1*	0	2-	ec β+ 100 %	4356 *4*	$^{72}_{32}Ge_{40}$
535			(278)	100 *0*	66.722 *10*	1/2-	5.4	allowed		$^{73}_{33}As_{40}$	80.30 d *6*	0.0	3/2-	ec 100 %	345 *4*	$^{73}_{32}Ge_{41}$
536			(364.6)	0.051 *4*	2197.89 *10*	2+	8.28 *4*	1st non-unique		$^{74}_{33}As_{41}$	17.77 d *2*	0.0	2-	ec β+ 66 *2* %	2562.4 *17*	$^{74}_{32}Ge_{42}$
537			(1098.9)	0.0022 *10*	1463.6 *3*	4+	11.28 *20*	1st unique		$^{74}_{33}As_{41}$	17.77 d *2*	0.0	2-	ec β+ 66 *2* %	2562.4 *17*	$^{74}_{32}Ge_{42}$
538			(1079.7)	0.018 *3*	1482.81 *11*	0+	10.34 *8*	1st unique		$^{74}_{33}As_{41}$	17.77 d *2*	0.0	2-	ec β+ 66 *2* %	2562.4 *17*	$^{74}_{32}Ge_{42}$
539			(865.5)	0.0071 *18*	1696.97 *21*	(3)+	9.91 *11*	1st non-unique		$^{74}_{33}As_{41}$	17.77 d *2*	0.0	2-	ec β+ 66 *2* %	2562.4 *17*	$^{74}_{32}Ge_{42}$
540	147.6 *8*	0.0161 *11*	1422 *50*	0.80 *5*	1204.36 *7*	2+	8.247 *22*	1st non-unique		$^{74}_{33}As_{41}$	17.77 d *2*	0.0	2-	ec β+ 66 *2* %	2562.4 *17*	$^{74}_{32}Ge_{42}$
541	408.0 *8*	**26.1 *22***	1962.9 *10*	33.1 *22*	595.86 *7*	2+	6.96 *3*	1st non-unique		$^{74}_{33}As_{41}$	17.77 d *2*	0.0	2-	ec β+ 66 *2* %	2562.4 *17*	$^{74}_{32}Ge_{42}$
542	701.1 *8*	3.0 *20*	2556.0 *12*	3.0 *20*	0.0	0+	9.7 *3*	1st unique		$^{74}_{33}As_{41}$	17.77 d *2*	0.0	2-	ec β+ 66 *2* %	2562.4 *17*	$^{74}_{32}Ge_{42}$
543	4550 *300*	**48 *15***	(10580)	0.057 *21*	3420 *87*		3.57 *20*			$^{65}_{34}Se_{31}$	33 ms *4*	0.0	(3/2-)	ec β+ 100 %	13917 *312*	$^{65}_{33}As_{32}$
544	1475.4 *10*	**91 *4***	(4279.1)	2.6 *1*	425.85 *23*	1+	4.145 *21*	allowed		$^{68}_{34}Se_{34}$	35.5 s *7*	0	0+	ec β+ 100 %	4705.1 *19*	$^{68}_{33}As_{35}$
545	1504.9 *10*	5.2 *16*	(4341.2)	0.14 *4*	363.8 *3*	1+	5.43 *14*	allowed		$^{68}_{34}Se_{34}$	35.5 s *7*	0	0+	ec β+ 100 %	4705.1 *19*	$^{68}_{33}As_{35}$
546	1510.1 *10*	< 5	(4352.0)	< 0.1	353.0 *3*	1+	> 5.5	allowed		$^{68}_{34}Se_{34}$	35.5 s *7*	0	0+	ec β+ 100 %	4705.1 *19*	$^{68}_{33}As_{35}$
547	1601.8 *10*	< 6	(4544.2)	< 0.1	160.81 *18* ?	(2+)	> 5.5	2nd non-unique		$^{68}_{34}Se_{34}$	35.5 s *7*	0	0+	ec β+ 100 %	4705.1 *19*	$^{68}_{33}As_{35}$

#	<$E_{\beta+}$> [keV]	$I_{\beta+}$(abs) [%]	E_{EC} [keV]	I_{EC}(abs) [%]	Daughter level [keV]	J^{π}	Log*ft*	Transition type	Comments	Parent	$T_{1/2}$	E_x [keV]	Jp order	Decay	Q_{decay}[keV] see the note	Daught
548			(195)	0.00020 *4*	6485 *33*		5.4 *3*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
549			(293)	0.00030 *7*	6387 *33*		5.62 *18*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
550			(358)	0.00020 *5*	6322 *33*		5.97 *17*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
551			(407)	0.00050 *10*	6273 *33*		5.69 *14*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
552			(441)	0.00021 *5*	6239 *33*		6.14 *14*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
553			(483)	0.00070 *20*	6197 *33*		5.69 *16*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
554			(544)	0.00060 *10*	6136 *33*		5.87 *11*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
555			(599)	0.0010 *2*	6081 *33*		5.73 *11*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
556			(650)	0.00050 *10*	6030 *33*		6.10 *11*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
557			(686)	0.00060 *10*	5994 *33*		6.07 *10*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
558			(730)	0.00060 *10*	5950 *33*		6.13 *10*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
559			(757)	0.00040 *10*	5923 *33*		6.33 *13*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
560			(801)	0.0017 *4*	5879 *33*		5.76 *12*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
561			(839)	0.0017 *4*	5841 *33*		5.80 *12*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
562			(880)	0.0024 *5*	5800 *33*		5.69 *11*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
563			(939)	0.0014 *3*	5741 *33*		5.98 *11*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
564			(985)	0.00070 *20*	5695 *33*		6.32 *13*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
565			(1023)	0.0026 *6*	5657 *33*		5.79 *11*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
566			(1074)	0.00050 *10*	5606 *33*		6.55 *10*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
567			(1110)	0.0016 *4*	5570 *33*		6.07 *12*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
568			(1147)	0.0017 *4*	5533 *33*		6.07 *11*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
569	82 *19*	0.0000015 *23*	(1200)	0.0011 *2*	5480 *33*		6.30 *9*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
570	93 *19*	0.000003 *4*	(1228)	0.0012 *3*	5452 *33*		6.28 *12*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
571	109 *19*	0.000005 *5*	(1264)	0.0011 *2*	5416 *33*		6.35 *9*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
572	128 *19*	0.000010 *7*	(1311)	0.00097 *22*	5369 *33*		6.43 *11*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
573	152 *19*	0.000029 *17*	(1366)	0.0015 *3*	5314 *33*		6.29 *10*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
574	169 *19*	0.000028 *15*	(1407)	0.00095 *19*	5273 *33*		6.50 *10*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
575	188 *19*	0.00016 *8*	(1452)	0.0036 *8*	5228 *33*		5.95 *10*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
576	216 *19*	0.00017 *7*	(1519)	0.0022 *5*	5161 *33*		6.20 *10*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
577	241 *19*	0.00018 *6*	(1578)	0.0015 *4*	5102 *33*		6.40 *11*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
578	263 *19*	0.00015 *4*	(1630)	0.00095 *18*	5050 *33*		6.63 *9*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
579	292 *20*	0.00019 *5*	(1696)	0.00081 *17*	4984 *33*		6.73 *10*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
580	313 *20*	0.00056 *16*	(1745)	0.0019 *5*	4935 *33*		6.38 *12*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
581	340 *20*	0.00027 *8*	(1809)	0.00070 *18*	4871 *33*		6.86 *12*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
582	394 *20*	0.0009 *3*	(1933)	0.0014 *4*	4747 *33*		6.61 *13*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
583	437 *20*	0.0011 *3*	(2031)	0.0012 *3*	4649 *33*		6.72 *11*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
584	728 *14*	0.21 *4*	(2680)	0.048 *10*	3999.6 *7*		5.36 *9*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
585	888 *14*	0.10 *3*	(3028)	0.012 *3*	3651.6 *10*		6.06 *13*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
586	973 *14*	0.19 *4*	(3211)	0.018 *4*	3468.9 *7*		5.94 *9*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
587	1007 *14*	0.40 *7*	(3285)	0.034 *7*	3394.6 *5*		5.69 *9*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
588	1029 *14*	0.49 *6*	(3333)	0.040 *5*	3346.6 *4*		5.63 *7*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
589	1089 *14*	0.28 *7*	(3460)	0.019 *5*	3220.1 *7*		5.98 *11*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
590	1124 *14*	0.89 *13*	(3535)	0.056 *9*	3144.5 *8*		5.54 *7*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
591	1177 *15*	0.94 *18*	(3649)	0.052 *10*	3031.3 *4*		5.60 *9*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
592	1252 *15*	1.14 *18*	(3807)	0.052 *9*	2872.9 *10*		5.63 *8*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
593	1413 *15*	2.1 *3*	(4147)	0.069 *10*	2533.0 *4*		5.58 *7*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
594	1471 *15*	6.1 *7*	(4271)	0.18 *2*	2409.14 *24*		5.20 *6*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
595	1501 *15*	1.7 *3*	(4333)	0.045 *8*	2346.7 *4*		5.81 *8*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
596	1579 *15*	0.33 *9*	(4496)	0.0079 *21*	2184.0 *10*		6.60 *12*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
597	1595 *15*	3.3 *4*	(4530)	0.076 *9*	2149.9 *5*		5.62 *6*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
598	1610 *15*	1.7 *9*	(4561)	0.037 *20*	2119.1 *7*		5.94 *23*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
599	1732 *15*	7.9 *9*	(4815)	0.14 *2*	1864.9 *3*		5.40 *6*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
600	1790 *15*	1.8 *5*	(4936)	0.029 *8*	1744.2 *6*		6.11 *13*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
601	1815 *15*	3.1 *4*	(4989)	0.050 *6*	1690.8 *3*		5.88 *6*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
602	2112 *15*	0.9 *9*	(5604)	0.009 *9*	1075.96 *18*		6.7 *5*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
603	2181 *15*	0.9 *5*	(5746)	0.008 *5*	933.62 *19*		6.8 *3*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
604	2251 *15*	23 *3*	(5891)	0.197 *22*	789.41 *12*	1/2-,3/2-	5.44 *5*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
605	2392 *15*	0.8 *7*	(6183)	0.006 *5*	497.30 *12*		7.0 *4*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
606	2554 *15*	**32 *4***	(6515)	0.19 *2*	164.51 *6*	1/2-,3/2-	5.53 *6*			$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
607	2587 *15*	9 *7*	(6582)	0.05 *4*	98.00 *4*	3/2-	6.1 *4*	allowed		$^{69}_{34}Se_{35}$	27.4 s *2*	0.0	1/2-	ec β+ 100 %	6677 *32*	$^{69}_{33}As_{36}$
608			(759)	0.81 *11*	1650.95 *94*	1+	4.99 *9*	allowed		$^{70}_{34}Se_{36}$	41.1 min *3*	0.0	0+	ec β+ 100 %	2404.1 *21*	$^{70}_{33}As_{37}$
609	216 *22*	0.056 *21*	(1519)	0.72 *7*	890.57 *13*	1+	5.64 *6*	allowed		$^{70}_{34}Se_{36}$	41.1 min *3*	0.0	0+	ec β+ 100 %	2404.1 *21*	$^{70}_{33}As_{37}$
610	349 *22*	1.6 *3*	(1828)	3.9 *4*	581.58 *9*	1+	5.08 *6*	allowed		$^{70}_{34}Se_{36}$	41.1 min *3*	0.0	0+	ec β+ 100 %	2404.1 *21*	$^{70}_{33}As_{37}$
611	402 *22*	18.2 *22*	(1952)	26.7 *24*	458.21 *5*	1+	4.29 *6*	allowed		$^{70}_{34}Se_{36}$	41.1 min *3*	0.0	0+	ec β+ 100 %	2404.1 *21*	$^{70}_{33}As_{37}$
612	452 *22*	0.5 *6*	(2065)	0.5 *6*	344.75 *9*	(0)+	6.1 *6*	super allowed		$^{70}_{34}Se_{36}$	41.1 min *3*	0.0	0+	ec β+ 100 %	2404.1 *21*	$^{70}_{33}As_{37}$
613	459 *22*	0.42 *9*	(2081)	0.41 *9*	328.70 *22*	1+	6.17 *11*	allowed		$^{70}_{34}Se_{36}$	41.1 min *3*	0.0	0+	ec β+ 100 %	2404.1 *21*	$^{70}_{33}As_{37}$
614	501 *23*	2.70 *23*	(2175)	1.95 *21*	234.78 *7*	1+	5.53 *6*	allowed		$^{70}_{34}Se_{36}$	41.1 min *3*	0.0	0+	ec β+ 100 %	2404.1 *21*	$^{70}_{33}As_{37}$
615	569 *23*	**27.2 *19***	(2328)	13.2 *14*	81.56 *4*	1+	4.76 *6*	allowed		$^{70}_{34}Se_{36}$	41.1 min *3*	0.0	0+	ec β+ 100 %	2404.1 *21*	$^{70}_{33}As_{37}$
616	239.6 *22*	0.04 *1*	(1574)	0.32 *3*	3172.75 *10*	(3/2-,5/2-,7/2-)	5.09 *4*			$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
617	529.8 *23*	0.12 *1*	(2240)	0.07 *1*	2506.93 *13*	(3/2,5/2,7/2-)	6.05 *5*			$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
618	564.5 *23*	0.25 *3*	(2318)	0.12 *1*	2429.24 *9*	(3/2-,5/2-)	5.84 *5*			$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
619	591.0 *23*	0.116 *15*	(2377)	0.051 *6*	2369.95 *17*	(3/2,5/2,7/2)	6.26 *6*			$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
620	767.1 *23*	1.08 *8*	(2765)	0.210 *16*	1981.57 *5*	(3/2-,5/2-,7/2-)	5.77 *4*			$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
621	872.7 *23*	0.57 *5*	(2995)	0.08 *1*	1751.74 *8*	(3/2,5/2-)	6.28 *5*			$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
622	935.6 *24*	0.29 *3*	(3131)	0.030 *3*	1615.72 *9*	(3/2,5/2,7/2-)	6.70 *5*			$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
623	1002.7 *24*	0.179 *16*	(3276)	0.0157 *14*	1471.24 *12*		7.04 *4*			$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
624	1006.4 *24*	0.55 *5*	(3284)	0.048 *4*	1463.26 *9*	(3/2,5/2-)	6.56 *4*			$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
625	1015.7 *24*	1.40 *11*	(3304)	0.118 *9*	1443.16 *7*	(3/2,5/2-)	6.17 *4*			$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
626	1029.9 *24*	0.36 *6*	(3334)	0.029 *5*	1412.76 *7*	1/2-,3/2-	6.78 *8*			$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
627	1089.7 *24*	0.138 *14*	(3462)	0.0095 *10*	1284.81 *16*		7.31 *5*			$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
628	1109.4 *24*	17.2 *13*	(3504)	1.12 *9*	1242.65 *4*	(3/2-,5/2-)	5.24 *4*			$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
629	1162.7 *24*	0.09 *3*	(3618)	0.0054 *16*	1129.07 *21*	3/2+,5/2+	7.59 *13*			$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
630	1227.8 *24*	2.42 *21*	(3756)	0.118 *10*	990.58 *7*	(3/2,5/2-)	6.28 *4*			$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
631	1233.8 *24*	10.6 *9*	(3769)	0.51 *4*	977.89 *5*	(3/2-,5/2-)	5.65 *4*			$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
632	1243.5 *24*	0.093 *11*	(3747)	0.0119 *14*	1000.21 *20*	9/2+	9.01 *5*	1st unique		$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
633	1259.0 *24*	0.65 *6*	(3822)	0.029 *3*	924.57 *7*	(7/2-)	6.90 *4*	allowed		$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
634	1284.6 *24*	8.9 *7*	(3877)	0.38 *3*	870.32 *7*	(5/2)-	5.80 *4*	allowed		$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
635	1304.3 *24*	0.70 *11*	(3918)	0.029 *4*	828.67 *14*	(3/2)-	6.93 *7*	allowed		$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
636	1457.2 *24*	0.6 *3*	(4241)	0.02 *1*	506.24 *9*	(3/2)-	7.22 *22*	allowed		$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
637	1628.3 *24*	19.5 *18*	(4600)	0.42 *4*	147.46 *4*	(3/2)-	5.90 *4*	allowed		$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
638	1698.9 *24*	**30 *6***	(4747)	0.59 *11*	0.0	5/2-	5.79 *9*	allowed		$^{71}_{34}Se_{37}$	4.74 min *5*	0.0	(5/2-)	ec β+ 100 %	4747 *5*	$^{71}_{33}As_{38}$
639			(315)	100 *6*	46.025 *18*	1+	4.58 *3*	allowed		$^{72}_{34}Se_{38}$	8.40 d *8*	0	0+	ec 100 %	362 *5*	$^{72}_{33}As_{39}$
640			(778)	0.0078 *11*	1972.92 *11*	(1/2-,3/2,5/2-)	7.0 *1*			$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
641			(266)	0.0111 *15*	2484.63 *10*	(3/2-)	5.9 *1*	allowed		$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
642			(768)	0.0125 *16*	1982.42 *13*	(1/2,3/2,5/2-)	6.8 *1*			$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
643			(539)	0.0066 *17*	2211.54 *19*	(5/2)-	6.8 *1*	allowed		$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$

#	<$E_{\beta+}$> [keV]	$I_{\beta+}$(abs) [%]	E_{EC} [keV]	I_{EC}(abs) [%]	Daughter level [keV]	J^{π}	Log*ft*	Transition type	Comments	Parent	$T_{1/2}$	E_x [keV]	Jp order	Decay	Q_{decay}[keV] see the note	Daught
644			(875)	0.412 *10*	1850.30 *12*	(9/2)+	6.42 *2*	allowed		$^{73}_{34}Se_{39}$	7.15 h *9*	0.0	9/2+	ec β+ 100 %	2725 *8*	$^{73}_{33}As_{40}$
645			(815)	0.060 *7*	1909.89 *16*	(9/2+,11/2)	7.20 *6*			$^{73}_{34}Se_{39}$	7.15 h *9*	0.0	9/2+	ec β+ 100 %	2725 *8*	$^{73}_{33}As_{40}$
646			(750)	0.095 *3*	1975.09 *15*	(7/2,9/2)	6.92 *2*			$^{73}_{34}Se_{39}$	7.15 h *9*	0.0	9/2+	ec β+ 100 %	2725 *8*	$^{73}_{33}As_{40}$
647			(545)	0.030 *8*	2180.31 *14*	(7/2,9/2+)	7.1 *1*			$^{73}_{34}Se_{39}$	7.15 h *9*	0.0	9/2+	ec β+ 100 %	2725 *8*	$^{73}_{33}As_{40}$
648			(414)	0.157 *6*	2311.25 *12*	(7/2,9/2+)	6.18 *3*			$^{73}_{34}Se_{39}$	7.15 h *9*	0.0	9/2+	ec β+ 100 %	2725 *8*	$^{73}_{33}As_{40}$
649			(243)	0.0087 *17*	2482.47 *25*	(7/2,9/2+)	7.0 *1*			$^{73}_{34}Se_{39}$	7.15 h *9*	0.0	9/2+	ec β+ 100 %	2725 *8*	$^{73}_{33}As_{40}$
650			(141)	0.0155 *20*	2583.87 *14*	(7/2,9/2-)	6.2 *1*			$^{73}_{34}Se_{39}$	7.15 h *9*	0.0	9/2+	ec β+ 100 %	2725 *8*	$^{73}_{33}As_{40}$
651	165 *3*	0.0035 *3*	(1397)	0.130 *4*	1328.42 *13*	(7/2)+	7.34 *2*	allowed		$^{73}_{34}Se_{39}$	7.15 h *9*	0.0	9/2+	ec β+ 100 %	2725 *8*	$^{73}_{33}As_{40}$
652	180 *3*	0.016 *1*	(1432)	0.43 *2*	1292.81 *13*	(7/2)+	6.83 *2*	allowed		$^{73}_{34}Se_{39}$	7.15 h *9*	0.0	9/2+	ec β+ 100 %	2725 *8*	$^{73}_{33}As_{40}$
653	180 *3*	0.016 *1*	(1432)	0.43 *2*	1292.73 *17*	(11/2)+	6.83 *2*	allowed		$^{73}_{34}Se_{39}$	7.15 h *9*	0.0	9/2+	ec β+ 100 %	2725 *8*	$^{73}_{33}As_{40}$
654	186 *3*	0.0044 *5*	(1449)	0.100 *9*	1302.05 *6*	(5/2-)	6.45 *4*	allowed		$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
655	187 *3*	0.0004 *4*	(1450)	0.010 *10*	1274.82 *12* ?	(7/2)+	8.5 *5*	allowed		$^{73}_{34}Se_{39}$	7.15 h *9*	0.0	9/2+	ec β+ 100 %	2725 *8*	$^{73}_{33}As_{40}$
656	188 *3*	0.0049 *6*	(1451)	0.108 *11*	1299.41 *9*	(1/2-,3/2)	6.41 *5*			$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
657	228 *3*	0.0167 *8*	(1547)	0.178 *4*	1177.80 *10*	(9/2-)	7.29 *1*	1st non-unique		$^{73}_{34}Se_{39}$	7.15 h *9*	0.0	9/2+	ec β+ 100 %	2725 *8*	$^{73}_{33}As_{40}$
658	234 *3*	0.0027 *4*	(1562)	0.026 *4*	1188.72 *10*	(3/2-)	7.1 *1*	allowed		$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
659	278 *3*	0.037 *4*	(1664)	0.191 *18*	1086.69 *5*	5/2-	6.29 *5*	allowed		$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
660	282 *3*	0.130 *10*	(1673)	0.65 *6*	1077.57 *4*	(3/2)-	5.76 *5*	allowed		$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
661	288 *3*	< 0.0020	(1688)	< 0.0090	1036.97 *18* ?	(13/2)+	> 8.7	2nd non-unique		$^{73}_{34}Se_{39}$	7.15 h *9*	0.0	9/2+	ec β+ 100 %	2725 *8*	$^{73}_{33}As_{40}$
662	307 *3*	0.0006 *4*	(1732)	0.0023 *13*	993.45 *10*	(7/2)-	9.3 *3*	1st non-unique		$^{73}_{34}Se_{39}$	7.15 h *9*	0.0	9/2+	ec β+ 100 %	2725 *8*	$^{73}_{33}As_{40}$
663	380 *3*	0.097 *9*	(1901)	0.174 *16*	850.18 *18*	(5/2)-	6.44 *5*	allowed		$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
664	415 *3*	0.104 *9*	(1981)	0.138 *12*	769.61 *10*	5/2-	6.58 *5*	allowed		$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
665	466 *3*	0.97 *8*	(2095)	0.88 *8*	655.36 *6*	3/2-	5.82 *5*	allowed		$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
666	500 *3*	0.57 *5*	(2173)	0.42 *4*	577.6 *3*	5/2-	6.18 *5*	allowed		$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
667	501 *3*	0.80 *7*	(2176)	0.57 *5*	574.43 *6*	(1/2)-	6.04 *5*	allowed		$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
668	530 *3*	0.090 *8*	(2241)	0.054 *5*	509.74 *15*	(5/2)+	7.09 *4*	1st non-unique		$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
669	555 *3*	**63.9 *8***	(2297)	33.4 *6*	427.65 *12*	9/2+	5.36 *1*	allowed		$^{73}_{34}Se_{39}$	7.15 h *9*	0.0	9/2+	ec β+ 100 %	2725 *8*	$^{73}_{33}As_{40}$
670	582 *3*	0.84 *8*	(2357)	0.38 *3*	393.39 *5*	3/2-	6.29 *5*	allowed		$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
671	645 *3*	0.05 *3*	(2497)	0.010 *10*	253.84 *4*	(1/2)-	7.8 *3*	allowed		$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
672	722 *3*	1.26 *14*	(2666)	0.29 *3*	84.19 *4*	(1/2)-	6.51 *5*	allowed		$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
673	730 *3*	2.4 *3*	(2684)	0.55 *7*	67.09 *7*	5/2-	6.24 *6*	allowed		$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
674	745 *3*	0.63 *6*	(2658)	0.47 *4*	67.10 *9*	5/2-	8.77 *4*	1st unique		$^{73}_{34}Se_{39}$	7.15 h *9*	0.0	9/2+	ec β+ 100 %	2725 *8*	$^{73}_{33}As_{40}$
675	760 *3*	**12.8 *9***	2780 *60*	2.56 *19*	0.0	3/2-	5.60 *4*	allowed		$^{73m}_{34}Se_{39}$	39.8 min *17*	25.71 *4*	3/2-	ec β+ 27.4 *3* %	2750.71 *8*	$^{73}_{33}As_{40}$
676			(864.7)	1.1 *6*	0.0	3/2-	8.6 *3*	1st non-unique		$^{75}_{34}Se_{41}$	119.78 d *5*	0.0	5/2+	ec 100 %	864.7 *9*	$^{75}_{33}As_{42}$
677			(666.1)	0.047 *18*	198.6063 *8*	1/2-	10.0 *2*	1st unique		$^{75}_{34}Se_{41}$	119.78 d *5*	0.0	5/2+	ec 100 %	864.7 *9*	$^{75}_{33}As_{42}$
678			(600.0)	0.5 *5*	264.6581 *6* ?	3/2-	> 8.3	1st non-unique		$^{75}_{34}Se_{41}$	119.78 d *5*	0.0	5/2+	ec 100 %	864.7 *9*	$^{75}_{33}As_{42}$
679			(585.2)	2.1 *4*	279.5428 *8*	5/2-	8.0 *1*	1st non-unique		$^{75}_{34}Se_{41}$	119.78 d *5*	0.0	5/2+	ec 100 %	864.7 *9*	$^{75}_{33}As_{42}$
680			(464.0)	96.2 *6*	400.6583 *6*	5/2+	6.098 *4*	allowed		$^{75}_{34}Se_{41}$	119.78 d *5*	0.0	5/2+	ec 100 %	864.7 *9*	$^{75}_{33}As_{42}$
681			(396.1)	0.00037 *6*	468.6 *4*	1/2-	11.4 *1*	1st unique		$^{75}_{34}Se_{41}$	119.78 d *5*	0.0	5/2+	ec 100 %	864.7 *9*	$^{75}_{33}As_{42}$
682			(292.3)	0.0387 *5*	572.41 *3*	5/2-	9.080 *7*	1st non-unique		$^{75}_{34}Se_{41}$	119.78 d *5*	0.0	5/2+	ec 100 %	864.7 *9*	$^{75}_{33}As_{42}$
683			(247.0)	0.0169 *3*	617.68 *4*	1/2-,3/2-	9.29 *1*			$^{75}_{34}Se_{41}$	119.78 d *5*	0.0	5/2+	ec 100 %	864.7 *9*	$^{75}_{33}As_{42}$
684			(43.0)	0.000160 *10*	821.73 *16*	7/2-	9.59 *4*	1st non-unique		$^{75}_{34}Se_{41}$	119.78 d *5*	0.0	5/2+	ec 100 %	864.7 *9*	$^{75}_{33}As_{42}$
685	2140 *150*	1.2 *2*	(7105)	0.013 *4*	5691.7	(10+)	5.52 *16*	allowed		$^{70m}_{35}Br_{35}$	2.2 s *2*	2292.3 *8*	9+	ec β+ 100 %	12796.3 *15*	$^{70}_{34}Se_{36}$
686	2670 *150*	**74**	(8191)	0.45 *0*	4604.8	8+	4.1	allowed		$^{70m}_{35}Br_{35}$	2.2 s *2*	2292.3 *8*	9+	ec β+ 100 %	12796.3 *15*	$^{70}_{34}Se_{36}$
687	2617 *3*	**60 *15***	(6644)	0.38 *10*	0.0	(5/2-)	5.2 *1*	allowed		$^{71}_{35}Br_{36}$	21.4 s *6*	0.0	(5/2)-	ec β+ 100 %	6644 *6*	$^{71}_{34}Se_{37}$
688	2090 *4*	< 3.2	(5560)	< 0.038	3239.3 *9*		> 6.6			$^{72}_{35}Br_{37}$	78.6 s *24*	0	1+	ec β+ 100 %	8806.4 *22*	$^{72}_{34}Se_{38}$
689	2097 *3*	4.5 *7*	(5573)	0.054 *8*	3226.1 *3*	(2,3,4+)	6.45 *7*			$^{72}_{35}Br_{37}$	78.6 s *24*	0	1+	ec β+ 100 %	8806.4 *22*	$^{72}_{34}Se_{38}$
690	2146 *3*	11.2 *9*	(5675)	0.125 *10*	3123.9 *3*	(4+)	6.10 *4*	2nd unique		$^{72}_{35}Br_{37}$	78.6 s *24*	0	1+	ec β+ 100 %	8806.4 *22*	$^{72}_{34}Se_{38}$
691	2223 *3*	4.9 *24*	(5833)	0.049 *24*	2965.6 *3*		6.53 *22*			$^{72}_{35}Br_{37}$	78.6 s *24*	0	1+	ec β+ 100 %	8806.4 *22*	$^{72}_{34}Se_{38}$
692	2407 *3*	2.8 *19*	(6213)	0.023 *15*	2586.1 *3*	(3)	6.9 *3*	2nd non-unique		$^{72}_{35}Br_{37}$	78.6 s *24*	0	1+	ec β+ 100 %	8806.4 *22*	$^{72}_{34}Se_{38}$
693	2481 *4*	5.1 *4*	(6366)	0.038 *3*	2433.2 *4*	3-	6.73 *4*	1st unique		$^{72}_{35}Br_{37}$	78.6 s *24*	0	1+	ec β+ 100 %	8806.4 *22*	$^{72}_{34}Se_{38}$
694	2511 *4*	12.5 *13*	(6427)	0.090 *9*	2371.5 *3*		6.36 *5*			$^{72}_{35}Br_{37}$	78.6 s *24*	0	1+	ec β+ 100 %	8806.4 *22*	$^{72}_{34}Se_{38}$
695	2619 *4*	< 2.9	(6649)	< 0.018	2150.1 *8* ?	(2+)	> 7.1	allowed		$^{72}_{35}Br_{37}$	78.6 s *24*	0	1+	ec β+ 100 %	8806.4 *22*	$^{72}_{34}Se_{38}$
696	2693 *4*	6.2 *11*	(6800)	0.036 *6*	1998.7 *3*	2+	6.80 *8*	allowed		$^{72}_{35}Br_{37}$	78.6 s *24*	0	1+	ec β+ 100 %	8806.4 *22*	$^{72}_{34}Se_{38}$
697	2870 *4*	5.1 *9*	(7162)	0.025 *4*	1636.8 *3*	4+	7.01 *8*	2nd unique		$^{72}_{35}Br_{37}$	78.6 s *24*	0	1+	ec β+ 100 %	8806.4 *22*	$^{72}_{34}Se_{38}$
698	3027 *4*	20.0 *19*	(7482)	0.085 *8*	1316.78 *20*	2+	6.51 *5*	allowed		$^{72}_{35}Br_{37}$	78.6 s *24*	0	1+	ec β+ 100 %	8806.4 *22*	$^{72}_{34}Se_{38}$
699	3250 *4*	**22.6 *14***	(7937)	0.079 *5*	862.01 *17*	2+	6.60 *3*	allowed		$^{72}_{35}Br_{37}$	78.6 s *24*	0	1+	ec β+ 100 %	8806.4 *22*	$^{72}_{34}Se_{38}$
700	858 *5*	0.48 *10*	(2961)	0.076 *15*	1619.4 *4*	(1/2,3/2)	6.2 *1*			$^{73}_{35}Br_{38}$	3.4 min *2*	0.0	1/2-	ec β+ 100 %	4582 *10*	$^{73}_{34}Se_{39}$
701	889 *5*	1.4 *3*	(3029)	0.20 *4*	1550.75 *23*	(1/2,3/2)	5.8 *1*			$^{73}_{35}Br_{38}$	3.4 min *2*	0.0	1/2-	ec β+ 100 %	4582 *10*	$^{73}_{34}Se_{39}$
702	1135 *5*	8.6 *13*	(3558)	0.59 *9*	1021.96 *21*	(1/2-,3/2-)	5.4 *1*			$^{73}_{35}Br_{38}$	3.4 min *2*	0.0	1/2-	ec β+ 100 %	4582 *10*	$^{73}_{34}Se_{39}$
703	1174 *5*	13.0 *20*	(3640)	0.82 *12*	940.09 *21*	(1/2-,3/2-)	5.3 *1*			$^{73}_{35}Br_{38}$	3.4 min *2*	0.0	1/2-	ec β+ 100 %	4582 *10*	$^{73}_{34}Se_{39}$
704	1244 *5*	12.0 *19*	(3790)	0.63 *10*	790.39 *21*	(1/2-,3/2-)	5.5 *1*			$^{73}_{35}Br_{38}$	3.4 min *2*	0.0	1/2-	ec β+ 100 %	4582 *10*	$^{73}_{34}Se_{39}$
705	1315 *5*	3.6 *7*	(3939)	0.16 *3*	641.07 *22*	(1/2-,3/2)	6.1 *1*			$^{73}_{35}Br_{38}$	3.4 min *2*	0.0	1/2-	ec β+ 100 %	4582 *10*	$^{73}_{34}Se_{39}$
706	1350 *5*	1.4 *6*	(4014)	0.060 *24*	565.77 *22*	(1/2,3/2)	6.5 *2*			$^{73}_{35}Br_{38}$	3.4 min *2*	0.0	1/2-	ec β+ 100 %	4582 *10*	$^{73}_{34}Se_{39}$
707	1416 *5*	17 *3*	(4153)	0.63 *11*	426.53 *21*	(1/2-,3/2-)	5.5 *1*			$^{73}_{35}Br_{38}$	3.4 min *2*	0.0	1/2-	ec β+ 100 %	4582 *10*	$^{73}_{34}Se_{39}$
708	1576 *5*	15.5 *23*	(4489)	0.42 *6*	90.60 *21*	(1/2,3/2)-	5.8 *1*			$^{73}_{35}Br_{38}$	3.4 min *2*	0.0	1/2-	ec β+ 100 %	4582 *10*	$^{73}_{34}Se_{39}$
709	1607 *5*	**21 *5***	(4554)	0.55 *12*	25.70 *20*	3/2-	5.7 *1*	allowed		$^{73}_{35}Br_{38}$	3.4 min *2*	0.0	1/2-	ec β+ 100 %	4582 *10*	$^{73}_{34}Se_{39}$
710	480 *7*	0.86 *12*	(2126)	0.82 *11*	4794.52 *22*	(3,4,5)	5.98 *6*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
711	497 *7*	0.36 *7*	(2163)	0.30 *6*	4757.3 *4*	(3,4+)	6.43 *9*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
712	522 *7*	0.80 *13*	(2221)	0.58 *9*	4699.6 *3*	(3,4+)	6.16 *7*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
713	539 *7*	2.0 *4*	(2259)	1.2 *2*	4661.98 *21*	(3,4+)	5.83 *8*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
714	570 *7*	3.8 *5*	(2329)	2.0 *3*	4592.21 *18*	(4+)	5.65 *7*	allowed		$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
715	573 *7*	1.8 *3*	(2335)	0.9 *2*	4586.28 *22*	(3,4+)	5.99 *8*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
716	576 *7*	0.96 *14*	(2341)	0.50 *8*	4580.0 *3*	(3,4,5)	6.26 *7*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
717	589 *7*	1.59 *21*	(2370)	0.78 *11*	4536.49 *24*	(1,2+)	5.83 *6*			$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
718	604 *7*	1.9 *2*	(2404)	0.8 *1*	4516.46 *20*	(3,4+)	6.03 *6*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
719	611 *7*	1.02 *14*	(2420)	0.45 *7*	4487.3 *3*	(1,2+)	6.09 *6*			$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
720	613 *7*	2.4 *4*	(2424)	1.1 *2*	4496.54 *22*	(3,4+)	5.98 *7*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
721	638 *7*	2.2 *2*	(2479)	0.8 *1*	4441.87 *22*	(3,4+)	6.10 *5*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
722	660 *7*	4.5 *3*	(2527)	1.6 *1*	4379.9 *3*	(1,2+)	5.59 *4*			$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
723	676 *7*	1.31 *23*	(2564)	0.42 *8*	4342.5 *4*	(2+)	6.18 *8*	1st unique		$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
724	698 *7*	1.0 *3*	(2611)	0.30 *14*	4309.37 *20*	(3,4+)	6.60 *21*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
725	711 *7*	2.9 *2*	(2640)	0.8 *1*	4266.7 *4*	(1,2+)	5.92 *4*			$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
726	790 *7*	3.7 *4*	(2813)	0.7 *1*	4094.42 *20*	(2+)	6.00 *5*	1st unique		$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
727	812 *7*	2.2 *3*	(2863)	0.40 *6*	4044.37 *25*	(1,2+)	6.28 *7*			$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
728	845 *7*	4.6 *3*	(2934)	0.8 *1*	3972.86 *17*	(2+)	6.03 *4*	1st unique		$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
729	865 *7*	6.9 *4*	(2976)	1.0 *1*	3930.49 *18*	(0+,1)	5.90 *3*			$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
730	871 *7*	0.52 *18*	(2990)	0.08 *3*	3931.1 *5* ?	(0+,1)	7.29 *16*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
731	872 *7*	0.72 *9*	(2992)	0.10 *1*	3928.8 *3*	(2 TO 6)	7.16 *6*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
732	931 *7*	10.2 *4*	(3119)	1.3 *1*	3788.24 *12*	(1,2+)	5.87 *2*			$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
733	944 *7*	1.6 *4*	(3149)	0.20 *5*	3771.99 *18*	(4+)	6.93 *11*	allowed		$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
734	956 *7*	3.3 *3*	(3173)	0.40 *4*	3733.59 *17*	(1,2+)	6.41 *5*			$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
735	989 *7*	3.8 *8*	(3246)	0.4 *1*	3675.02 *20*	(2+,3,4+)	6.67 *10*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
736	1007 *7*	8.4 *3*	(3283)	0.80 *4*	3624.35 *16*	(2+)	6.10 *2*	1st unique		$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
737	1033 *7*	0.54 *12*	(3340)	0.05 *2*	3580.4 *3*	(2+)	7.60 *13*	2nd non-unique		$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
738	1046 *7*	7.4 *5*	(3367)	0.70 *5*	3539.63 *12*	(1,2+)	6.22 *4*			$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
739	1148 *7*	0.65 *10*	(3541)	0.12 *2*	3379.58 *24*	(2+)	8.93 *7*	2nd non-unique		$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$

#	<$E_{\beta+}$> [keV]	$I_{\beta+}$(abs) [%]	E_{EC} [keV]	I_{EC}(abs) [%]	Daughter level [keV]	J^{π}	Log*ft*	Transition type	Comments	Parent	$T_{1/2}$	E_x [keV]	Jp order	Decay	Q_{decay}[keV] see the note	Daught
740	1162 *7*	0.94 *13*	(3615)	0.06 *1*	3306.1 *3*	(2 TO 6)	7.57 *7*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
741	1182 *7*	**17.6 *5***	(3657)	1.10 *4*	3250.04 *12*	(1,2+)	6.07 *2*			$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
742	1187 *7*	0.69 *10*	(3667)	0.040 *6*	3253.3 *4*	(2 TO 6)	7.74 *7*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
743	1188 *7*	2.3 *3*	(3670)	0.10 *2*	3250.97 *22*	(1,2+)	7.22 *6*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
744	1211 *7*	0.78 *10*	(3720)	0.04 *1*	3200.9 *4*	(4)	7.74 *6*	allowed		$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
745	1253 *7*	1.09 *15*	(3808)	0.05 *2*	3112.7 *3*	(2+,3,4+)	7.64 *12*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
746	1269 *7*	< 4.5	(3843)	< 0.2	3078.19 *17* ?	(4)+	> 7.0	allowed		$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
747	1307 *7*	0.89 *19*	(3883)	0.11 *2*	3037.3 *4*	(2+)	9.14 *10*	2nd non-unique		$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
748	1344 *8*	3.5 *4*	(4002)	0.10 *2*	2918.71 *19*	(2+,3,4+)	7.27 *6*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
749	1386 *8*	0.53 *10*	(4089)	0.020 *4*	2831.87 *23*	4-	8.15 *9*	1st non-unique		$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
750	1392 *8*	2.2 *3*	(4102)	0.10 *1*	2818.61 *19*	(2+,3,4+)	7.54 *7*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
751	1466 *8*	0.82 *17*	(4258)	0.030 *6*	2662.46 *18*	5+	8.06 *10*	allowed		$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
752	1513 *8*	7.8 *7*	(4357)	0.20 *3*	2563.63 *14*	(2+,3,4+)	7.14 *5*			$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
753	1595 *8*	< 0.1	(4528)	< 0.003	2378.56 *12* ?	(1,2+)	> 8.9			$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
754	1615 *8*	4.1 *16*	(4571)	0.10 *8*	2349.65 *24*	3-	7.6 *4*	1st non-unique		$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
755	1646 *7*	1.15 *20*	(4606)	0.08 *1*	2314.43 *16*	(2+)	9.65 *8*	2nd non-unique		$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
756	1685 *7*	0.65 *10*	(4689)	0.04 *1*	2231.36 *23*	6+	9.95 *7*	2nd non-unique		$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
757	1731 *8*	4.9 *8*	(4813)	0.10 *2*	2107.99 *12*	4+	7.60 *8*	allowed		$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
758	1832 *8*	< 0.6	(5023)	< 0.01	1884.00 *18* ?	3+	> 8.5	3rd non-unique		$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
759	1838 *8*	6.7 *11*	(5036)	0.10 *2*	1884.39 *12*	3+	7.58 *8*	allowed		$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
760	1853 *8*	2.9 *4*	(5068)	0.049 *7*	1838.69 *10* ?	(2+)	7.70 *6*	1st unique		$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
761	1871 *8*	1.8 *6*	(5082)	0.070 *24*	1838.74 *17*	(2+)	9.80 *15*	2nd non-unique		$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
762	2089 *8*	8 *3*	(5558)	0.10 *5*	1363.25 *11*	4+	7.74 *22*	allowed		$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
763	2128 *8*	6.5 *21*	(5638)	0.075 *24*	1268.89 *8*	2+	7.61 *14*	1st unique		$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
764	2142 *8*	< 9	(5652)	< 0.2	1269.12 *11* ?	2+	> 9.5	2nd non-unique		$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
765	2330 *8*	3.8 *13*	(6053)	0.034 *12*	853.79 *10*	0+	8.02 *15*	1st non-unique		$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
766	2436 *8*	< 4.0	(6272)	< 0.03	634.79 *8* ?	2+	> 8.1	1st unique		$^{74}_{35}Br_{39}$	25.4 min *3*	0.0	(0-)	ec β+ 100 %	6925 *6*	$^{74}_{34}Se_{40}$
767	2445 *8*	**< 11**	(6286)	< 0.2	634.80 *9* ?	2+	> 9.7	2nd non-unique		$^{74m}_{35}Br_{39}$	46 min *2*	13.58 *21*	4(+)	ec β+ 100 %	6938.58 *6*	$^{74}_{34}Se_{40}$
768	209.3 *17*	0.040 *4*	(1501)	0.68 *7*	1561.04 *14*	(5/2,7/2-)	6.08 *5*			$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
769	286.3 *18*	0.018 *3*	(1681)	0.096 *16*	1380.5 *3*		7.03 *8*			$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
770	288.7 *18*	0.053 *6*	(1687)	0.28 *3*	1374.70 *22*	1/2,3/2,5/2	6.57 *6*			$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
771	344.6 *18*	0.72 *7*	(1817)	2.03 *19*	1245.26 *12*	3/2-	5.77 *4*	allowed		$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
772	364.8 *18*	0.48 *5*	(1863)	1.11 *11*	1198.61 *12*	5/2+	6.05 *5*	1st non-unique		$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
773	371.0 *18*	0.29 *3*	(1878)	0.64 *7*	1184.38 *14*	1/2,3/2,5/2	6.30 *5*			$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
774	388.4 *18*	0.062 *10*	(1917)	0.12 *2*	1144.51 *20*	3/2+,5/2+	7.05 *8*			$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
775	419.3 *18*	0.45 *4*	(1988)	0.66 *6*	1073.77 *14*	5/2-	6.34 *4*	allowed		$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
776	442.7 *18*	0.69 *9*	(2041)	0.85 *11*	1020.49 *15*	1/2-,3/2-	6.25 *6*			$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
777	450.5 *18*	0.12 *1*	(2059)	0.13 *2*	1002.9 *3*	5/2+	7.06 *6*	1st non-unique		$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
778	468.2 *18*	0.065 *10*	(2099)	0.067 *11*	962.87 *23*	3/2-	7.38 *7*	allowed		$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
779	498.1 *18*	1.03 *11*	(2167)	0.86 *10*	895.29 *25*	1/2-,3/2-	6.30 *5*			$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
780	514.0 *18*	3.6 *4*	(2203)	2.7 *3*	859.44 *9*	3/2-	5.81 *5*	allowed		$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
781	550.6 *18*	0.48 *5*	(2285)	0.30 *3*	777.24 *14*	5/2-	6.81 *5*	allowed		$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
782	563.7 *18*	< 0.08	(2314)	< 0.05	748.00 *19* ?	7/2-	> 7.6	2nd non-unique		$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
783	601.4 *18*	3.3 *2*	(2398)	1.6 *1*	663.89 *9*	5/2-	6.13 *3*	allowed		$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
784	636.5 *18*	1.24 *14*	(2476)	0.48 *5*	585.99 *10*	3/2-	6.67 *5*	allowed		$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
785	708.1 *19*	4.9 *8*	(2634)	1.4 *2*	427.80 *8*	5/2-	6.26 *7*	allowed		$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
786	772.5 *19*	**53 *3***	(2775)	11 *1*	286.55 *8*	3/2-	5.39 *3*	allowed		$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
787	904.3 *19*	4 *4*	(3062)	0.5 *5*	0	5/2+	6.9 *5*	1st non-unique		$^{75}_{35}Br_{40}$	96.7 min *13*	0.0	3/2-	ec β+ 100 %	3062 *4*	$^{75}_{34}Se_{41}$
788		**< 0.52**	(3734)	< 0.03	1331 *1* ?	4+	> 4.6	allowed		$^{76m}_{35}Br_{41}$	1.31 s *2*	102.58 *3*	(4)+	ec β+ < 0.6 %	5065.58 *9*	$^{76}_{34}Se_{42}$
789			(357)	0.56 *12*	4606.1 *6*	(1+,2+)	5.88 *12*			$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
790			(526)	0.067 *17*	4436.9 *10* ?	(1,2)	7.2 *2*			$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
791			(747)	0.62 *5*	4215.6 *2* ?	(1+,2+)	6.50 *4*			$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
792			(764)	0.79 *20*	4198.8 *4*	(1,2)	6.4 *2*			$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
793			(790)	0.20 *2*	4173.3 *9* ?	(1,2)	7.04 *5*			$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
794			(878)	0.56 *5*	4084.63 *19*	(1,2)	6.69 *5*			$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
795			(943)	0.50 *6*	4019.6 *5* ?		6.80 *6*			$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
796			(992)	0.63 *7*	3970.6 *4*	(1+,2+)	6.74 *5*			$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
797	146 *7*		(1034)	0.28 *4*	3929.03 *6*	(1,2)	7.13 *7*			$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
798	146 *7*	0.03 *1*	(1359)	1.75 *15*	3604.08 *8*	1+,2+	6.58 *4*			$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
799	166 *7*	0.04 *1*	(1407)	1.77 *14*	3556.46 *9*	(1,2)	6.60 *4*			$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
800	207 *7*	0.13 *3*	(1504)	2.4 *3*	3459.48 *9*	(2+)	6.54 *6*	1st non-unique		$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
801	253 *7*	0.92 *11*	(1611)	7.7 *6*	3351.60 *7*	(1,2)+	6.09 *4*			$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
802	336 *7*	1.44 *13*	(1803)	4.5 *4*	3160.03 *7*	(2)	6.42 *4*	allowed		$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
803	375 *7*	6.3 *6*	(1893)	13.5 *10*	3069.71 *6*	(1,2)+	5.98 *4*			$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
804	427 *7*	5.2 *4*	(2012)	7.1 *6*	2950.62 *6*	1+,2+	6.31 *4*			$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
805	551 *7*	1.24 *13*	(2293)	0.76 *8*	2670.19 *7*	2-	7.40 *5*	allowed		$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
806	558 *7*	0.20 *9*	(2307)	0.11 *5*	2655.66 *8*	1	8.2 *2*	allowed		$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
807	569 *7*	0.30 *17*	(2332)	0.17 *9*	2631.0 *5*	(1,2)	8.1 *3*			$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
808	621 *7*	0.35 *14*	(2448)	0.14 *6*	2515.13 *11*	(2)+	8.2 *2*	1st non-unique		$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
809	659 *7*	< 0.96	(2534)	< 0.34	2429.25 *10* ?	3-	> 7.84	2nd non-unique		$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
810	797 *7*	< 0.10	(2836)	< 0.02	2127.47 *8* ?	(2)+	> 9.17	1st non-unique		$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
811	953 *7*	1.0 *4*	(3175)	0.10 *4*	1787.69 *6*	2+	8.5 *2*	1st non-unique		$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
812	1022 *7*	< 0.70	(3274)	< 0.20	1688.98 *5* ?	3+	> 9.91	1st unique		$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
813	1221 *7*	2.8 *13*	(3747)	0.15 *7*	1216.07 *4*	2+	8.5 *2*	1st non-unique		$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
814	1265 *7*	2.1 *7*	(3841)	0.11 *4*	1122.32 *6*	0+	8.7 *2*	1st non-unique		$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
815	1532 *8*	**25.8 *19***	4462 *50*	0.76 *6*	559.05 *4*	2+	7.97 *4*	1st non-unique		$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
816	1800 *8*	6 *1*	5002 *20*	< 0.15	0.0	0+	8.9 *1*	1st non-unique		$^{76}_{35}Br_{41}$	16.2 h *2*	0.0	1-	ec β+ 100 %	4963 *9*	$^{76}_{34}Se_{42}$
817			(134)	0.038 *3*	1230.64 *9*	(5/2)-	6.71 *4*	allowed		$^{77}_{35}Br_{42}$	57.04 h *12*	0.0	3/2-	ec β+ 100 %	1364.7 *3*	$^{77}_{34}Se_{43}$
818			(178)	0.010 *1*	1186.79 *11*	(3/2)	7.56 *5*	allowed		$^{77}_{35}Br_{42}$	57.04 h *12*	0.0	3/2-	ec β+ 100 %	1364.7 *3*	$^{77}_{34}Se_{43}$
819			(360)	4.46 *5*	1005.09 *4*	3/2-	5.55 *1*	allowed		$^{77}_{35}Br_{42}$	57.04 h *12*	0.0	3/2-	ec β+ 100 %	1364.7 *3*	$^{77}_{34}Se_{43}$
820			(453)	0.146 *7*	911.49 *6*	(3/2)+	7.24 *2*	1st non-unique		$^{77}_{35}Br_{42}$	57.04 h *12*	0.0	3/2-	ec β+ 100 %	1364.7 *3*	$^{77}_{34}Se_{43}$
821			(540)	4.7 *1*	824.39 *4*	(5/2)-	5.89 *1*	allowed		$^{77}_{35}Br_{42}$	57.04 h *12*	0.0	3/2-	ec β+ 100 %	1364.7 *3*	$^{77}_{34}Se_{43}$
822			(547)	10.0 *3*	817.80 *4*	1/2-	5.57 *2*	allowed		$^{77}_{35}Br_{42}$	57.04 h *12*	0.0	3/2-	ec β+ 100 %	1364.7 *3*	$^{77}_{34}Se_{43}$
823			(685)	0.09 *5*	679.83 *7*	5/2+	7.8 *3*	1st non-unique		$^{77}_{35}Br_{42}$	57.04 h *12*	0.0	3/2-	ec β+ 100 %	1364.7 *3*	$^{77}_{34}Se_{43}$
824			(784)	0.040 *9*	581.01 *6* ?	7/2-	8.3 *1*	2nd non-unique		$^{77}_{35}Br_{42}$	57.04 h *12*	0.0	3/2-	ec β+ 100 %	1364.7 *3*	$^{77}_{34}Se_{43}$
825			(844)	18.6 *4*	520.58 *4*	3/2-	5.68 *1*	allowed		$^{77}_{35}Br_{42}$	57.04 h *12*	0.0	3/2-	ec β+ 100 %	1364.7 *3*	$^{77}_{34}Se_{43}$
826			(925)	1.46 *7*	439.43 *4*	5/2-	6.87 *2*	allowed		$^{77}_{35}Br_{42}$	57.04 h *12*	0.0	3/2-	ec β+ 100 %	1364.7 *3*	$^{77}_{34}Se_{43}$
827			(1064)	0.060 *12*	301.09 *6*	5/2+	8.4 *1*	1st non-unique		$^{77}_{35}Br_{42}$	57.04 h *12*	0.0	3/2-	ec β+ 100 %	1364.7 *3*	$^{77}_{34}Se_{43}$
828			(1115)	0.54 *9*	249.75 *4*	5/2-	7.5 *1*	allowed		$^{77}_{35}Br_{42}$	57.04 h *12*	0.0	3/2-	ec β+ 100 %	1364.7 *3*	$^{77}_{34}Se_{43}$
829			(1203)	< 0.12	162.01 *5* ?	7/2+	> 8.9	1st unique		$^{77}_{35}Br_{42}$	57.04 h *12*	0.0	3/2-	ec β+ 100 %	1364.7 *3*	$^{77}_{34}Se_{43}$
830	49.7 *14*	0.00175 *23*	(1126)	15.3 *4*	238.95 *4*	3/2-	6.02 *1*	allowed		$^{77}_{35}Br_{42}$	57.04 h *12*	0.0	3/2-	ec β+ 100 %	1364.7 *3*	$^{77}_{34}Se_{43}$
831	151.7 *12*	**0.73 *3***	(1365)	43.8 *13*	0.0	1/2-	5.74 *2*	allowed		$^{77}_{35}Br_{42}$	57.04 h *12*	0.0	3/2-	ec β+ 100 %	1364.7 *3*	$^{77}_{34}Se_{43}$
832			(190)	0.00061 *13*	3383.6 *10*		6.1 *1*			$^{78}_{35}Br_{43}$	6.45 min *4*	0.0	1+	ec β+ ≥ 99.99 %	3574 *4*	$^{78}_{34}Se_{44}$
833			(319)	0.0027 *3*	3255.1 *4*	(0,1,2)+	5.9 *1*			$^{78}_{35}Br_{43}$	6.45 min *4*	0.0	1+	ec β+ ≥ 99.99 %	3574 *4*	$^{78}_{34}Se_{44}$
834			(484)	0.0177 *15*	3090.2 *3*	(0+)	5.5 *1*	allowed		$^{78}_{35}Br_{43}$	6.45 min *4*	0.0	1+	ec β+ ≥ 99.99 %	3574 *4*	$^{78}_{34}Se_{44}$
835			(568)	0.0040 *5*	3005.7 *3*	1,2+	6.3 *1*			$^{78}_{35}Br_{43}$	6.45 min *4*	0.0	1+	ec β+ ≥ 99.99 %	3574 *4*	$^{78}_{34}Se_{44}$

#	<$E_{\beta+}$> [keV]	$I_{\beta+}$(abs) [%]	E_{EC} [keV]	I_{EC}(abs) [%]	Daughter level [keV]	J^{π}	Log*ft*	Transition type	Comments	Parent	$T_{1/2}$	E_x [keV]	Jp order	Decay	Q_{decay}[keV] see the note	Daught
836			(676)	0.0049 *11*	2898.14 *21*	2+	6.3 *1*	allowed		$^{78}_{35}Br_{43}$	6.45 min *4*	0.0	1+	ec β+ ≥ 99.99 %	3574 *4*	$^{78}_{34}Se_{44}$
837			(927)	0.0117 *12*	2647.39 *15*	(1,2)+	6.2 *1*			$^{78}_{35}Br_{43}$	6.45 min *4*	0.0	1+	ec β+ ≥ 99.99 %	3574 *4*	$^{78}_{34}Se_{44}$
838			(1037)	0.063 *3*	2537.18 *14*	2+	5.61 *2*	allowed		$^{78}_{35}Br_{43}$	6.45 min *4*	0.0	1+	ec β+ ≥ 99.99 %	3574 *4*	$^{78}_{34}Se_{44}$
839	98.8 *18*	0.00013 *1*	(1240)	0.046 *3*	2334.43 *21*	0+	5.91 *3*	allowed		$^{78}_{35}Br_{43}$	6.45 min *4*	0.0	1+	ec β+ ≥ 99.99 %	3574 *4*	$^{78}_{34}Se_{44}$
840	101.0 *18*	0.0000048 *19*	(1245)	0.0016 *6*	2329.4 *9*	2+	7.4 *2*	allowed		$^{78}_{35}Br_{43}$	6.45 min *4*	0.0	1+	ec β+ ≥ 99.99 %	3574 *4*	$^{78}_{34}Se_{44}$
841	242.0 *17*	0.00071 *12*	(1578)	0.0071 *12*	1996.08 *17*	2+	6.9 *1*	allowed		$^{78}_{35}Br_{43}$	6.45 min *4*	0.0	1+	ec β+ ≥ 99.99 %	3574 *4*	$^{78}_{34}Se_{44}$
842	344.1 *18*	0.0046 *4*	(1816)	0.0131 *11*	1758.31 *21*	0+	6.8 *1*	allowed		$^{78}_{35}Br_{43}$	6.45 min *4*	0.0	1+	ec β+ ≥ 99.99 %	3574 *4*	$^{78}_{34}Se_{44}$
843	457.8 *18*	0.032 *2*	(2076)	0.036 *2*	1498.41 *12*	0+	6.5 *1*	allowed		$^{78}_{35}Br_{43}$	6.45 min *4*	0.0	1+	ec β+ ≥ 99.99 %	3574 *4*	$^{78}_{34}Se_{44}$
844	542.0 *18*	0.047 *5*	(2266)	0.030 *4*	1308.48 *11*	2+	6.6 *1*	allowed		$^{78}_{35}Br_{43}$	6.45 min *4*	0.0	1+	ec β+ ≥ 99.99 %	3574 *4*	$^{78}_{34}Se_{44}$
845	857.4 *19*	11.5 *3*	(2960)	1.81 *6*	613.71 *7*	2+	5.07 *2*	allowed		$^{78}_{35}Br_{43}$	6.45 min *4*	0.0	1+	ec β+ ≥ 99.99 %	3574 *4*	$^{78}_{34}Se_{44}$
846	1142.7 *19*	**80.9 *4***	(3574)	5.49 *6*	0.0	0+	4.75 *1*	allowed		$^{78}_{35}Br_{43}$	6.45 min *4*	0.0	1+	ec β+ ≥ 99.99 %	3574 *4*	$^{78}_{34}Se_{44}$
847			(420.5)	< 0.0200	1450	2+	> 5.7	allowed		$^{80}_{35}Br_{45}$	17.68 min *2*	0.0	1+	ec β+ 8.3 *2* %	1870.5 *14*	$^{80}_{34}Se_{46}$
848			(392.5)	0.050 *20*	1478.0 *16*	0+	5.3 *3*	allowed		$^{80}_{35}Br_{45}$	17.68 min *2*	0.0	1+	ec β+ 8.3 *2* %	1870.5 *14*	$^{80}_{34}Se_{46}$
849	84.3 *9*		(1204.7)	1.10 *10*	665.8 *2*	2+	4.94 *5*	allowed		$^{80}_{35}Br_{45}$	17.68 min *2*	0.0	1+	ec β+ 8.3 *2* %	1870.5 *14*	$^{80}_{34}Se_{46}$
850	368.2 *10*	**2.20 *21***	1882 *6*	4.90 *23*	0.0	0+	4.67 *5*	allowed		$^{80}_{35}Br_{45}$	17.68 min *2*	0.0	1+	ec β+ 8.3 *2* %	1870.5 *14*	$^{80}_{34}Se_{46}$
851			(13679.8911607805544960)		0+X	(3/2-)		allowed		$^{69}_{36}Kr_{33}$	28 ms *1*	0.0	(5/2-)	ec β+ 100 %	14119 *303*	$^{69}_{35}Br_{34}$
852	4520 *200*	**52 *6***	(10527)	0.080 *15*	3153 *55*	(5/2-)	3.43 *11*	allowed		$^{69}_{36}Kr_{33}$	28 ms *1*	0.0	(5/2-)	ec β+ 100 %	14119 *303*	$^{69}_{35}Br_{34}$
853	6090 *200*	2.4 *5*	(13679.8911607805544960)	0.0016 *4*	0	(5/2-)	> 5.4	allowed		$^{69}_{36}Kr_{33}$	28 ms *1*	0.0	(5/2-)	ec β+ 100 %	14119 *303*	$^{69}_{35}Br_{34}$
854	4501.67	**≤ 99.8**	(10479.91780570591231200)	≤ 0.155	0.0	0+	≥ 3.3	super allowed		$^{70}_{36}Kr_{34}$	40 ms *6*	0.0	0+	ec β+ 100 %	10326 *201*	$^{70}_{35}Br_{35}$
855			(8319)		1861+X					$^{71}_{36}Kr_{35}$	94.9 ms *4*	0	(5/2)-	ec β+ 100 %	10175 *129*	$^{71}_{35}Br_{36}$
856	4152 *65*	4.4 *4*	(9773)	0.0086 *9*	407.12 *24*	(5/2)-	4.87 *5*	allowed		$^{71}_{36}Kr_{35}$	94.9 ms *4*	0	(5/2)-	ec β+ 100 %	10175 *129*	$^{71}_{35}Br_{36}$
857	4251 *65*	1.0 *8*	(9972)	0.0018 *15*	207.97 *16*	(3/2-)	5.6 *4*	allowed		$^{71}_{36}Kr_{35}$	94.9 ms *4*	0	(5/2)-	ec β+ 100 %	10175 *129*	$^{71}_{35}Br_{36}$
858	4353 *65*	**91.3 *9***	(10180)	0.156 *7*	0.0	(5/2)-	3.65 *3*	allowed		$^{71}_{36}Kr_{35}$	94.9 ms *4*	0	(5/2)-	ec β+ 100 %	10175 *129*	$^{71}_{35}Br_{36}$
859	349 *4*	0.038 *5*	(1824)	0.116 *16*	3304.9 *10* ?	1+	4.53 *6*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
860	941 *5*	0.022 *4*	(3141)	0.0030 *6*	1988.4 *10* ?	1	6.60 *9*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
861	959 *5*	0.036 *7*	(3179)	0.0046 *9*	1950.0 *7* ?	1	6.41 *9*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
862	962 *5*	0.054 *11*	(3185)	0.0068 *14*	1943.5 *7* ?	1	6.25 *9*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
863	1012 *5*	0.69 *4*	(3293)	0.076 *4*	1835.53 *18*	1+	5.23 *3*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
864	1029 *5*	0.32 *5*	(3329)	0.033 *5*	1799.5 *3*	1+	5.60 *7*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
865	1042 *5*	2.63 *11*	(3357)	0.263 *12*	1772.05 *18*	1+	4.708 *21*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
866	1074 *5*	0.30 *5*	(3425)	0.028 *4*	1703.8 *4*	1+	5.70 *7*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
867	1120 *5*	0.47 *11*	(3524)	0.038 *9*	1604.93 *20*	1+	5.59 *11*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
868	1223 *5*	1.86 *15*	(3743)	0.117 *10*	1386.08 *15*	1+	5.15 *4*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
869	1252 *5*	0.224 *22*	(3806)	0.0131 *13*	1322.8 *4*	1(+)	6.12 *5*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
870	1323 *5*	0.31 *4*	(3956)	0.016 *2*	1173.2 *3*	1(+)	6.07 *6*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
871	1332 *5*	0.13 *6*	(3975)	0.007 *3*	1154.30 *19*	1	6.46 *19*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
872	1392 *5*	1.60 *13*	(4101)	0.069 *6*	1027.80 *18*	1+	5.46 *4*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
873	1434 *5*	1.04 *5*	(4190)	0.0412 *20*	939.27 *15*	1+	5.706 *22*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
874	1451 *5*	0.83 *15*	(4227)	0.032 *6*	901.99 *19*	1+	5.83 *9*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
875	1502 *5*	0.19 *14*	(4333)	0.007 *5*	795.89 *14*		6.5 *4*			$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
876	1521 *5*	1.50 *12*	(4373)	0.050 *4*	755.57 *23*	1+	5.66 *4*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
877	1537 *5*	0.53 *6*	(4407)	0.017 *2*	722.13 *15*	1(+)	6.13 *5*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
878	1544 *5*	0.6 *3*	(4421)	0.02 *1*	707.97 *17*	1	6.10 *22*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
879	1556 *5*	0.61 *4*	(4447)	0.019 *1*	682.4 *4*	1(+)	6.09 *3*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
880	1606 *5*	13.0 *8*	(4552)	0.374 *23*	576.79 *21*	1+	4.82 *3*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
881	1607 *5*	1.44 *18*	(4553)	0.041 *5*	575.83 *12*	1+	5.78 *6*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
882	1621 *5*	< 0.15	(4583)	< 0.0041	545.58 *13* ?		> 6.8			$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
883	1638 *5*	0.35 *10*	(4619)	0.010 *3*	509.7 *3*	1	6.43 *12*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
884	1684 *5*	15.8 *9*	(4714)	0.397 *23*	415.15 *9*	1+	4.83 *3*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
885	1692 *5*	< 0.010	(4731)	< 0.0002	398.39 *12* ?	(2)	> 8.0	2nd non-unique		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
886	1694 *5*	< 0.04	(4736)	< 0.0010	392.70 *15* ?		> 7.4			$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
887	1701 *5*	0.33 *17*	(4750)	0.008 *4*	379.10 *22*	1	6.52 *22*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
888	1725 *5*	0.50 *7*	(4800)	0.012 *2*	328.52 *12*	1	6.37 *6*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
889	1732 *5*	0.39 *10*	(4815)	0.0091 *23*	313.75 *21*	1	6.49 *11*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
890	1734 *5*	16.4 *6*	(4819)	0.379 *14*	309.92 *7*	1+	4.864 *18*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
891	1778 *5*	0.49 *20*	(4910)	0.011 *4*	218.79 *19*	1(-)	6.44 *18*	1st non-unique		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
892	1805 *5*	< 0.4	(4966)	< 0.008	162.72 *7* ?		> 6.6			$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
893	1819 *5*	< 0.10	(4997)	< 0.002	131.70 *21* ?	(2-)	> 7.2	1st unique		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
894	1823 *5*	1.0 *6*	(5005)	0.020 *12*	124.22 *9*	1	6.2 *3*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
895	1834 *5*	< 1.6	(5028)	< 0.031	101.14 *19* ?	(3-)	> 6.0	3rd non-unique		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
896	1883 *5*	**34.4 *10***	(5129)	0.628 *20*	0.0	1+	4.699 *15*	allowed		$^{72}_{36}Kr_{36}$	17.1 s *2*	0.0	0+	ec β+ 100 %	5121 *8*	$^{72}_{35}Br_{37}$
897			(1136)	0.0058 *7*	5960		5.6 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
898			(1036)	0.0105 *13*	6060		5.3 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
899			(956)	0.0029 *3*	6140		5.8 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
900			(906)	0.0040 *5*	6190		5.6 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
901			(856)	0.0022 *3*	6240		5.8 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
902			(806)	0.0038 *5*	6290		5.5 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
903			(716)	0.0036 *4*	6380		5.4 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
904			(616)	0.0021 *3*	6480		5.5 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
905	85 *4*	0.000012 *3*	(1206)	0.0098 *12*	5890		5.5 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
906	111 *4*	0.000017 *4*	(1266)	0.0044 *5*	5830		5.8 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
907	128 *4*	0.000047 *9*	(1306)	0.0067 *8*	5790		5.7 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
908	144 *4*	0.000093 *16*	(1346)	0.0079 *10*	5750		5.6 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
909	166 *4*	0.00019 *3*	(1396)	0.0093 *11*	5700		5.6 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
910	187 *4*	0.00027 *4*	(1446)	0.0081 *10*	5650		5.7 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
911	204 *4*	0.00018 *3*	(1486)	0.0040 *5*	5610		6.0 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
912	225 *4*	0.00112 *15*	(1536)	0.0167 *20*	5560		5.4 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
913	251 *4*	0.00104 *14*	(1596)	0.0105 *13*	5500		5.7 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
914	272 *4*	0.0011 *1*	(1646)	0.0079 *10*	5450		5.8 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
915	298 *4*	0.0024 *3*	(1706)	0.0132 *16*	5390		5.6 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
916	319 *4*	0.0013 *2*	(1756)	0.0055 *7*	5340		6.0 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
917	332 *4*	0.0014 *2*	(1786)	0.0053 *7*	5310		6.1 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
918	350 *4*	0.0022 *3*	(1826)	0.0068 *8*	5270		6.0 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
919	367 *4*	0.0025 *3*	(1866)	0.0066 *9*	5230		6.0 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
920	393 *4*	0.0033 *4*	(1926)	0.0069 *9*	5170		6.0 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
921	428 *4*	0.0033 *4*	(2006)	0.0052 *7*	5090		6.2 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
922	450 *4*	0.0049 *7*	(2056)	0.0065 *9*	5040		6.1 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
923	485 *5*	0.0038 *5*	(2136)	0.0039 *6*	4960		6.3 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
924	516 *5*	0.0018 *3*	(2206)	0.0016 *3*	4890		6.8 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
925	543 *5*	0.0037 *5*	(2266)	0.0026 *4*	4830		6.6 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
926	566 *5*	0.0025 *4*	(2316)	0.0016 *2*	4780		6.8 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
927	583 *5*	0.0017 *3*	(2356)	0.00099 *15*	4740		7.0 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
928	597 *5*	0.0018 *3*	(2386)	0.00094 *18*	4710		7.1 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
929	615 *5*	0.0024 *3*	(2426)	0.0011 *2*	4670		7.0 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
930	628 *5*	0.0025 *3*	(2456)	0.0011 *2*	4640		7.0 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
931	646 *5*	0.0030 *4*	(2496)	0.0012 *2*	4600		7.0 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$

#	$\leq E_{\beta+} >$ [keV]	$I_{\beta+}$(abs) [%]	E_{EC} [keV]	I_{EC}(abs) [%]	Daughter level [keV]	J^{π}	Log*ft*	Transition type	Comments	Parent	$T_{1/2}$	E_x [keV]	Jp order	Decay	Q_{decay}[keV] see the note	Daught
932	678 *5*	0.0032 *4*	(2566)	0.0011 *2*	4530		7.0 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
933	692 *5*	0.00082 *15*	(2596)	0.00028 *5*	4500		7.7 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
934	710 *5*	0.0012 *2*	(2636)	0.00038 *5*	4460		7.5 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
935	723 *5*	0.0005 *2*	(2666)	0.0002 *1*	4430		7.9 *2*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
936	746 *5*	0.0006 *2*	(2716)	0.0001 *0*	4380		8.0 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
937	769 *5*	0.0005 *1*	(2766)	0.0001 *0*	4330		8.1 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
938	792 *5*	0.0002 *2*	(2816)	0.00006 *4*	4280		8.4 *3*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
939	1168 *5*	0.23 *6*	(3627)	0.017 *4*	3469.1 *8*	(1/2,3/2,5/2)	6.2 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
940	1171 *5*	0.47 *11*	(3634)	0.033 *8*	3462.3 *6*	(1/2-,3/2,5/2)	5.9 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
941	1255 *5*	0.33 *9*	(3811)	0.019 *5*	3285.1 *8*	(1/2,3/2,5/2)	6.2 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
942	1270 *5*	0.22 *6*	(3844)	0.012 *3*	3252.1 *8*	(1/2-,3/2,5/2)	6.4 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
943	1381 *5*	2.3 *6*	(4079)	0.10 *3*	3017.3 *4*	(1/2,3/2,5/2)-	5.5 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
944	1601 *5*	0.76 *17*	(4541)	0.022 *5*	2555.0 *5*	(1/2-,3/2,5/2)	6.3 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
945	1741 *5*	0.9 *2*	(4834)	0.02 *0*	2261.5 *5*	(1/2,3/2,5/2-)	6.4 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
946	1793 *5*	1.3 *3*	(4942)	0.027 *6*	2153.9 *4*	(1/2-,3/2,5/2)	6.2 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
947	2087 *5*	1.7 *4*	(5554)	0.023 *5*	1542.4 *4*	(1/2,3/2,5/2)	6.4 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
948	2121 *5*	0.9 *2*	(5623)	0.01 *0*	1473.0 *4*	(1/2-,3/2,5/2)	6.7 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
949	2283 *5*	4.5 *10*	(5958)	0.047 *10*	1137.52 *21*	(1/2-,3/2,5/2)	6.2 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
950	2489 *5*	2.9 *7*	(6383)	0.024 *6*	713.3 *3*	(1/2-,3/2,5/2-)	6.5 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
951	2505 *5*	2.0 *10*	(6415)	0.016 *8*	681.1 *4*	7/2-	6.7 *2*	2nd non-unique		$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
952	2527 *5*	5.6 *14*	(6461)	0.044 *11*	635.26 *21*	(1/2-,3/2,5/2-)	6.3 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
953	2602 *5*	4.3 *12*	(6615)	0.031 *9*	481.20 *24*	(5/2-)	6.4 *1*	allowed		$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
954	2606 *5*	5.1 *12*	(6623)	0.037 *9*	473.4 *3*	(1/2-,3/2,5/2-)	6.4 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
955	2630 *5*	3.9 *9*	(6673)	0.027 *6*	423.40 *23*	(1/2,3/2,5/2-)	6.5 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
956	2633 *5*	4.5 *10*	(6677)	0.032 *7*	419.03 *24*	(1/2-,3/2,5/2)	6.4 *1*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
957	2697 *5*	3.8 *10*	(6810)	0.025 *7*	286.09 *17*	(5/2)+	6.6 *1*	1st non-unique		$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
958	2720 *5*	5.0 *16*	(6855)	0.032 *10*	240.45 *15*	(3/2,5/2)-	6.5 *2*			$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
959	2750 *5*	9 *3*	(6918)	0.055 *16*	178.04 *14*	3/2-	6.2 *1*	allowed		$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
960	2824 *5*	< 9.9	(7069)	< 0.058	26.94 *9*	(5/2)-	> 6.2	allowed		$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
961	2837 *5*	**36 *9***	(7096)	0.21 *5*	0.0	1/2-	5.7 *1*	allowed		$^{73}_{36}Kr_{37}$	27.3 s *10*	0.0	(3/2)-	ec β+ 100 %	7094 *9*	$^{73}_{35}Br_{38}$
962	424 *7*	0.19 *6*	(1997)	0.31 *9*	978.3 *8*	(1)	5.8	allowed		$^{74}_{36}Kr_{38}$	11.50 min *11*	0.0	0+	ec β+ 100 %	2956 *6*	$^{74}_{35}Br_{39}$
963	428 *7*	0.39 *12*	(2005)	0.61 *18*	970.0 *4*	(1+)	5.5	allowed		$^{74}_{36}Kr_{38}$	11.50 min *11*	0.0	0+	ec β+ 100 %	2956 *6*	$^{74}_{35}Br_{39}$
964	489 *7*	0.20 *7*	(2143)	0.20 *7*	831.8 *6*	(1)	6.0	allowed		$^{74}_{36}Kr_{38}$	11.50 min *11*	0.0	0+	ec β+ 100 %	2956 *6*	$^{74}_{35}Br_{39}$
965	547 *7*	1.9 *4*	(2274)	1.3 *3*	701.28 *17*	(1+)	5.3	allowed		$^{74}_{36}Kr_{38}$	11.50 min *11*	0.0	0+	ec β+ 100 %	2956 *6*	$^{74}_{35}Br_{39}$
966	587 *7*	0.19 *7*	(2362)	0.11 *4*	612.9 *7*	(1)	6.4	allowed		$^{74}_{36}Kr_{38}$	11.50 min *11*	0.0	0+	ec β+ 100 %	2956 *6*	$^{74}_{35}Br_{39}$
967	588 *7*	2.0 *5*	(2366)	1.10 *24*	609.11 *16*	(1+)	5.4	allowed		$^{74}_{36}Kr_{38}$	11.50 min *11*	0.0	0+	ec β+ 100 %	2956 *6*	$^{74}_{35}Br_{39}$
968	622 *7*	0.61 *18*	(2440)	0.29 *9*	534.7 *6*	(1)	6.0	allowed		$^{74}_{36}Kr_{38}$	11.50 min *11*	0.0	0+	ec β+ 100 %	2956 *6*	$^{74}_{35}Br_{39}$
969	687 *7*	0.34 *18*	(2585)	0.12 *6*	390.06 *22*	(1)	6.4	allowed		$^{74}_{36}Kr_{38}$	11.50 min *11*	0.0	0+	ec β+ 100 %	2956 *6*	$^{74}_{35}Br_{39}$
970	725 *7*	**32 *6***	(2668)	9.4 *17*	306.55 *6*	1+	4.6	allowed		$^{74}_{36}Kr_{38}$	11.50 min *11*	0.0	0+	ec β+ 100 %	2956 *6*	$^{74}_{35}Br_{39}$
971	756 *7*	< 1.59	(2736)	< 0.41	239.32 *9* ?	(1)	> 5.9	allowed		$^{74}_{36}Kr_{38}$	11.50 min *11*	0.0	0+	ec β+ 100 %	2956 *6*	$^{74}_{35}Br_{39}$
972	768 *7*	25 *5*	(2762)	6.1 *12*	212.86 *6*	1+	4.8	allowed		$^{74}_{36}Kr_{38}$	11.50 min *11*	0.0	0+	ec β+ 100 %	2956 *6*	$^{74}_{35}Br_{39}$
973	783 *7*	1.4 *6*	(2795)	0.34 *14*	179.5 *4*	(1)	6.1	allowed		$^{74}_{36}Kr_{38}$	11.50 min *11*	0.0	0+	ec β+ 100 %	2956 *6*	$^{74}_{35}Br_{39}$
974	804 *7*	0.65 *20*	(2842)	0.14 *5*	132.6 *2* ?	(1,2-)	6.4			$^{74}_{36}Kr_{38}$	11.50 min *11*	0.0	0+	ec β+ 100 %	2956 *6*	$^{74}_{35}Br_{39}$
975	824 *7*	10 *4*	(2885)	1.9 *8*	89.62 *7*	(1-)	5.3	1st non-unique		$^{74}_{36}Kr_{38}$	11.50 min *11*	0.0	0+	ec β+ 100 %	2956 *6*	$^{74}_{35}Br_{39}$
976	832 *7*	< 1.67	(2902)	< 0.326	72.62 *7* ?	(2-)	> 6.1	1st unique		$^{74}_{36}Kr_{38}$	11.50 min *11*	0.0	0+	ec β+ 100 %	2956 *6*	$^{74}_{35}Br_{39}$
977	861 *7*	< 8.5	(2965)	< 1.5	9.84 *4* ?	(1-)	> 5.5	1st non-unique		$^{74}_{36}Kr_{38}$	11.50 min *11*	0.0	0+	ec β+ 100 %	2956 *6*	$^{74}_{35}Br_{39}$
978	682 *4*	0.117 *11*	(2575)	0.042 *4*	2208.2 *3*	(3/2,5/2)	6.48 *5*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
979	721 *4*	0.054 *15*	(2659)	0.016 *5*	2123.5 *4*		6.92 *13*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
980	868 *4*	0.511 *18*	(2982)	0.088 *3*	1801.37 *21*		6.289 *19*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
981	874 *4*	0.089 *8*	(2994)	0.0150 *13*	1789.2 *4*		7.06 *4*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
982	894 *4*	0.397 *16*	(3038)	0.062 *3*	1744.7 *3*		6.454 *20*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
983	944 *4*	0.072 *9*	(3147)	0.0097 *12*	1636.0 *4*		7.29 *6*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
984	955 *4*	2.85 *9*	(3171)	0.368 *13*	1612.26 *19*	(5/2,7/2)+	5.720 *17*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
985	960 *4*	5.47 *11*	(3181)	0.696 *17*	1601.62 *14*	(3/2+,5/2+)	5.446 *13*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
986	1007 *4*	1.75 *6*	(3282)	0.193 *7*	1500.54 *22*	(3/2+,5/2,7/2+)	6.030 *19*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
987	1032 *4*	0.103 *12*	(3336)	0.0106 *12*	1447.4 *4*		7.30 *5*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
988	1129 *4*	0.082 *8*	(3543)	0.0065 *7*	1240.0 *4*		7.57 *5*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
989	1135 *4*	0.108 *10*	(3557)	0.0084 *8*	1226.3 *4*		7.46 *5*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
990	1136 *4*	0.133 *9*	(3559)	0.0103 *7*	1223.6 *4*		7.37 *4*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
991	1158 *4*	0.080 *9*	(3604)	0.0059 *7*	1178.5 *4*		7.63 *6*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
992	1173 *4*	0.204 *17*	(3638)	0.0144 *12*	1145.47 *23*		7.25 *4*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
993	1207 *4*	0.527 *23*	(3710)	0.0343 *15*	1072.59 *20*	(5/2+,7/2)	6.887 *21*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
994	1219 *4*	0.66 *3*	(3735)	0.042 *2*	1047.81 *22*		6.808 *21*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
995	1230 *4*	0.050 *7*	(3760)	0.0031 *4*	1023.4 *4* ?		7.95 *6*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
996	1266 *4*	0.22 *3*	(3836)	0.012 *2*	947.02 *22*		7.36 *6*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
997	1275 *4*	0.249 *18*	(3854)	0.0139 *10*	928.9 *4*		7.31 *4*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
998	1288 *4*	0.54 *5*	(3882)	0.029 *3*	901.09 *16*	(3/2,5/2)	7.00 *4*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
999	1313 *4*	0.223 *19*	(3935)	0.0114 *10*	848.21 *24*	(9/2+)	7.42 *4*	2nd non-unique		$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1000	1320 *4*	0.030 *8*	(3950)	0.0015 *4*	833.2 *4*		8.31 *12*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1001	1326 *4*	0.24 *3*	(3963)	0.012 *1*	819.95 *22*		7.41 *6*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1002	1335 *4*	0.108 *10*	(3980)	0.0053 *5*	802.5 *4* ?		7.76 *4*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1003	1347 *4*	0.82 *6*	(4006)	0.039 *3*	777.45 *20*		6.90 *4*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1004	1348 *4*	0.117 *10*	(4009)	0.0056 *5*	774.3 *4*	(9/2-)	7.74 *4*	1st unique		$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1005	1366 *4*	< 0.013	(4047)	< 0.00061	735.6 *3* ?		> 8.7			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1006	1382 *4*	0.056 *6*	(4081)	0.0025 *3*	701.6 *4*		8.12 *5*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1007	1467 *4*	0.107 *10*	(4259)	0.0040 *4*	524.3 *5*		7.94 *4*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1008	1469 *4*	0.030 *18*	(4265)	0.0011 *7*	518.26 *20*	(7/2-)	8.5 *3*	1st non-unique		$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1009	1538 *4*	5.92 *21*	(4409)	0.192 *7*	374.20 *17*	(7/2)+	6.289 *18*	allowed		$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1010	1548 *4*	0.18 *5*	(4431)	0.0059 *15*	352.42 *19*	(5/2)-	7.81 *12*	1st non-unique		$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1011	1575 *4*	0.119 *18*	(4487)	0.0036 *6*	295.6 *3*	(3/2,5/2)-	8.03 *7*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1012	1586 *4*	0.332 *24*	(4510)	0.0099 *7*	273.23 *25*	(1/2,3/2)-	7.60 *4*			$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1013	1611 *4*	< 0.5	(4562)	< 0.01	220.82 *19* ?	(9/2)+	> 7.5	2nd non-unique		$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1014	1643 *4*	**38.5 *14***	(4628)	1.04 *4*	154.68 *14*	(3/2)+	5.600 *18*	allowed		$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1015	1644 *4*	0.248 *19*	(4604)	0.0163 *13*	179.40 *25*	(1/2-)	9.31 *4*	1st unique		$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1016	1653 *4*	34 *4*	(4650)	0.90 *10*	132.50 *15*	(5/2)+	5.66 *5*	allowed		$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1017	1659 *4*	0.57 *11*	(4663)	0.015 *3*	119.84 *15*	5/2-	7.45 *9*	1st non-unique		$^{75}_{36}Kr_{39}$	4.60 min *7*	0.0	5/2+	ec β+ 100 %	4783 *9*	$^{75}_{35}Br_{40}$
1018			(263)	0.74 *8*	1047.78 *22*	1+	5.57 *9*	allowed		$^{76}_{36}Kr_{40}$	14.8 h *1*	0.0	0+	ec β+ 100 %	1275 *10*	$^{76}_{35}Br_{41}$
1019			(375)	1.40 *15*	936.47 *18*	1+	5.59 *7*	allowed		$^{76}_{36}Kr_{40}$	14.8 h *1*	0.0	0+	ec β+ 100 %	1275 *10*	$^{76}_{35}Br_{41}$
1020			(413)	2.24 *22*	898.38 *16*	1+	5.47 *6*	allowed		$^{76}_{36}Kr_{40}$	14.8 h *1*	0.0	0+	ec β+ 100 %	1275 *10*	$^{76}_{35}Br_{41}$
1021			(443)	2.18 *23*	868.15 *25*	1+	5.54 *6*	allowed		$^{76}_{36}Kr_{40}$	14.8 h *1*	0.0	0+	ec β+ 100 %	1275 *10*	$^{76}_{35}Br_{41}$
1022			(496)	0.45 *9*	815.10 *23*	(0,1)	6.32 *10*			$^{76}_{36}Kr_{40}$	14.8 h *1*	0.0	0+	ec β+ 100 %	1275 *10*	$^{76}_{35}Br_{41}$
1023			(695)	1.95 *22*	616.02 *15*	1+	5.97 *6*	allowed		$^{76}_{36}Kr_{40}$	14.8 h *1*	0.0	0+	ec β+ 100 %	1275 *10*	$^{76}_{35}Br_{41}$
1024			(762)	0.20 *5*	548.5 *4* ?	(≤ 3)	7.0 *2*	2nd unique		$^{76}_{36}Kr_{40}$	14.8 h *1*	0.0	0+	ec β+ 100 %	1275 *10*	$^{76}_{35}Br_{41}$
1025			(823)	0.42 *5*	487.72 *20*	(0,1)	6.78 *6*			$^{76}_{36}Kr_{40}$	14.8 h *1*	0.0	0+	ec β+ 100 %	1275 *10*	$^{76}_{35}Br_{41}$
1026			(859)	26.2 *22*	451.98 *11*	1+	5.03 *5*	allowed		$^{76}_{36}Kr_{40}$	14.8 h *1*	0.0	0+	ec β+ 100 %	1275 *10*	$^{76}_{35}Br_{41}$
1027			(865)	0.64 *9*	446.15 *16*	0+,1+	6.64 *7*			$^{76}_{36}Kr_{40}$	14.8 h *1*	0.0	0+	ec β+ 100 %	1275 *10*	$^{76}_{35}Br_{41}$

#	<$E_{\beta+}$> [keV]	$I_{\beta+}$(abs) [%]	E_{EC} [keV]	I_{EC}(abs) [%]	Daughter level [keV]	J^{π}	Log*ft*	Transition type	Comments	Parent	$T_{1/2}$	E_x [keV]	Jp order	Decay	Q_{decay}[keV] see the note	Daught
1028			(956)	10.4 *11*	355.28 *11*	1+	5.52 *5*	allowed		$^{76}_{36}Kr_{40}$	14.8 h *1*	0.0	0+	ec β+ 100 %	1275 *10*	$^{76}_{35}Br_{41}$
1029			(994)	< 1.1	317.05 *12* ?	(2+)	> 6.5	2nd non-unique		$^{76}_{36}Kr_{40}$	14.8 h *1*	0.0	0+	ec β+ 100 %	1275 *10*	$^{76}_{35}Br_{41}$
1030			(995)	55 *6*	315.68 *11*	1+	4.83 *5*	allowed		$^{76}_{36}Kr_{40}$	14.8 h *1*	0.0	0+	ec β+ 100 %	1275 *10*	$^{76}_{35}Br_{41}$
1031			(1059)	< 1.2	252.06 *12* ?	(2+)	> 6.5	2nd non-unique		$^{76}_{36}Kr_{40}$	14.8 h *1*	0.0	0+	ec β+ 100 %	1275 *10*	$^{76}_{35}Br_{41}$
1032			(1160)	< 0.10	150.51 *13* ?	(≤ 3)	> 7.7	2nd unique		$^{76}_{36}Kr_{40}$	14.8 h *1*	0.0	0+	ec β+ 100 %	1275 *10*	$^{76}_{35}Br_{41}$
1033			(1266)	< 4	45.48 *11* ?	(2)-	> 7.0	1st unique		$^{76}_{36}Kr_{40}$	14.8 h *1*	0.0	0+	ec β+ 100 %	1275 *10*	$^{76}_{35}Br_{41}$
1034	95 *9*		(1208)	< 0.40	102.64 *20* ?	(4)+	> 7.1	4th non-unique		$^{76}_{36}Kr_{40}$	14.8 h *1*	0.0	0+	ec β+ 100 %	1275 *10*	$^{76}_{35}Br_{41}$
1035	139 *9*		(1311)	< 6	0.0 ?	1-	> 6.0	1st non-unique		$^{76}_{36}Kr_{40}$	14.8 h *1*	0.0	0+	ec β+ 100 %	1275 *10*	$^{76}_{35}Br_{41}$
1036			(721)	0.030 *4*	2344.3 *5*	(3/2,5/2,7/2+)	6.7 *1*			$^{77}_{36}Kr_{41}$	71.25 min *42*	0.0	5/2+	ec β+ 100 %	3065 *3*	$^{77}_{35}Br_{42}$
1037			(871)	0.017 *3*	2193.6 *6*	(3/2,5/2,7/2)	7.1 *1*			$^{77}_{36}Kr_{41}$	71.25 min *42*	0.0	5/2+	ec β+ 100 %	3065 *3*	$^{77}_{35}Br_{42}$
1038			(936)	0.055 *7*	2129.1 *4*	(3/2)-	6.7 *1*	1st non-unique		$^{77}_{36}Kr_{41}$	71.25 min *42*	0.0	5/2+	ec β+ 100 %	3065 *3*	$^{77}_{35}Br_{42}$
1039	204.9 *13*	0.027 *2*	(1489)	0.56 *5*	1576.15 *14*	(5/2-)	6.06 *4*	1st non-unique		$^{77}_{36}Kr_{41}$	71.25 min *42*	0.0	5/2+	ec β+ 100 %	3065 *3*	$^{77}_{35}Br_{42}$
1040	411.1 *14*	0.021 *5*	(1967)	0.037 *10*	1097.68 *24*	(5/2+,7/2)	7.5 *1*			$^{77}_{36}Kr_{41}$	71.25 min *42*	0.0	5/2+	ec β+ 100 %	3065 *3*	$^{77}_{35}Br_{42}$
1041	443.2 *14*	0.19 *2*	(2041)	0.27 *2*	1024.45 *20*	(5/2)+	6.66 *4*	allowed		$^{77}_{36}Kr_{41}$	71.25 min *42*	0.0	5/2+	ec β+ 100 %	3065 *3*	$^{77}_{35}Br_{42}$
1042	468.5 *14*	0.17 *1*	(2098)	0.19 *2*	967.19 *18*	(7/2+)	6.83 *4*	allowed		$^{77}_{36}Kr_{41}$	71.25 min *42*	0.0	5/2+	ec β+ 100 %	3065 *3*	$^{77}_{35}Br_{42}$
1043	514.0 *14*	0.33 *3*	(2200)	0.28 *3*	864.51 *15*	(3/2+)	6.71 *5*	allowed		$^{77}_{36}Kr_{41}$	71.25 min *42*	0.0	5/2+	ec β+ 100 %	3065 *3*	$^{77}_{35}Br_{42}$
1044	714.9 *14*	2.7 *4*	(2647)	0.82 *12*	417.69 *16*	7/2(+)	6.4 *1*	allowed		$^{77}_{36}Kr_{41}$	71.25 min *42*	0.0	5/2+	ec β+ 100 %	3065 *3*	$^{77}_{35}Br_{42}$
1045	779.5 *14*	33.6 *16*	(2789)	7.9 *4*	276.21 *6*	(3/2)+	5.46 *2*	allowed		$^{77}_{36}Kr_{41}$	71.25 min *42*	0.0	5/2+	ec β+ 100 %	3065 *3*	$^{77}_{35}Br_{42}$
1046	829.7 *14*	0.11 *3*	(2898)	0.021 *5*	166.6 *3*	(3/2)-	8.1 *1*	1st non-unique		$^{77}_{36}Kr_{41}$	71.25 min *42*	0.0	5/2+	ec β+ 100 %	3065 *3*	$^{77}_{35}Br_{42}$
1047	831.8 *14*	0.19 *3*	(2903)	0.038 *5*	161.9 *3*	5/2-	7.8 *1*	1st non-unique		$^{77}_{36}Kr_{41}$	71.25 min *42*	0.0	5/2+	ec β+ 100 %	3065 *3*	$^{77}_{35}Br_{42}$
1048	846.7 *14*	**41.8 *19***	(2935)	7.7 *4*	129.63 *4*	5/2+	5.521 *21*	allowed		$^{77}_{36}Kr_{41}$	71.25 min *42*	0.0	5/2+	ec β+ 100 %	3065 *3*	$^{77}_{35}Br_{42}$
1049	906.4 *14*	< 5	(3065)	< 0.8	0.0 ?	3/2-	> 6.6	1st non-unique		$^{77}_{36}Kr_{41}$	71.25 min *42*	0.0	5/2+	ec β+ 100 %	3065 *3*	$^{77}_{35}Br_{42}$
1050			(52)	< 0.0005	1573.7 *5* ?	(5/2)+	> 7.5	1st unique		$^{79}_{36}Kr_{43}$	35.04 h *10*	0.0	1/2-	ec β+ 100 %	1626 *4*	$^{79}_{35}Br_{44}$
1051			(124)	0.023 *8*	1501.6 *3*	1/2,3/2	6.7 *2*			$^{79}_{36}Kr_{43}$	35.04 h *10*	0.0	1/2-	ec β+ 100 %	1626 *4*	$^{79}_{35}Br_{44}$
1052			(294)	1.27 *7*	1332.31 *6*	3/2-	5.76 *4*	allowed		$^{79}_{36}Kr_{43}$	35.04 h *10*	0.0	1/2-	ec β+ 100 %	1626 *4*	$^{79}_{35}Br_{44}$
1053			(494)	0.069 *8*	1131.67 *14*	1/2,3/2	7.48 *6*			$^{79}_{36}Kr_{43}$	35.04 h *10*	0.0	1/2-	ec β+ 100 %	1626 *4*	$^{79}_{35}Br_{44}$
1054			(514)	0.22 *4*	1112.48 *11*	1/2-,3/2-	7.0 *1*			$^{79}_{36}Kr_{43}$	35.04 h *10*	0.0	1/2-	ec β+ 100 %	1626 *4*	$^{79}_{35}Br_{44}$
1055			(794)	1.80 *12*	831.94 *6*	1/2-,3/2-	6.48 *3*			$^{79}_{36}Kr_{43}$	35.04 h *10*	0.0	1/2-	ec β+ 100 %	1626 *4*	$^{79}_{35}Br_{44}$
1056			(1020)	12.1 *5*	606.02 *6*	3/2-	5.88 *2*	allowed		$^{79}_{36}Kr_{43}$	35.04 h *10*	0.0	1/2-	ec β+ 100 %	1626 *4*	$^{79}_{35}Br_{44}$
1057			(1103)	< 0.18	523.22 *10* ?	5/2-	> 7.8	2nd non-unique		$^{79}_{36}Kr_{43}$	35.04 h *10*	0.0	1/2-	ec β+ 100 %	1626 *4*	$^{79}_{35}Br_{44}$
1058	95 *3*	0.021 *4*	(1229)	9.6 *5*	397.47 *6*	1/2-,3/2-	6.14 *3*			$^{79}_{36}Kr_{43}$	35.04 h *10*	0.0	1/2-	ec β+ 100 %	1626 *4*	$^{79}_{35}Br_{44}$
1059	134 *3*	0.005 *2*	(1319)	0.52 *15*	306.52 *7*	1/2-,3/2-	7.5 *2*			$^{79}_{36}Kr_{43}$	35.04 h *10*	0.0	1/2-	ec β+ 100 %	1626 *4*	$^{79}_{35}Br_{44}$
1060	153 *3*	0.18 *2*	(1365)	11.6 *5*	261.32 *6*	3/2-	6.15 *2*	allowed		$^{79}_{36}Kr_{43}$	35.04 h *10*	0.0	1/2-	ec β+ 100 %	1626 *4*	$^{79}_{35}Br_{44}$
1061	264 *3*	**6.8 *3***	(1626)	55.9 *12*	0.0	3/2-	5.62 *12*	allowed		$^{79}_{36}Kr_{43}$	35.04 h *10*	0.0	1/2-	ec β+ 100 %	1626 *4*	$^{79}_{35}Br_{44}$
1062			(280.8)	99.70 *2*	0	3/2-	11.014 *22*	1st unique		$^{81}_{36}Kr_{45}$	2.29 x 10^5 y *11*	0.0	7/2+	ec 100 %	280.9 *15*	$^{81}_{35}Br_{46}$
1063			(4.8)	0.30 *2*	275.991 *11*	5/2-	9.35 *15*	1st non-unique		$^{81}_{36}Kr_{45}$	2.29 x 10^5 y *11*	0.0	7/2+	ec 100 %	280.9 *15*	$^{81}_{35}Br_{46}$
1064			(471.4)	0.0025 *4*	0	3/2-	4.89 *7*	allowed		$^{81m}_{36}Kr_{45}$	13.10 s *3*	190.64 *4*	1/2-	ec 2.5 x 10^{-3} *4* %	471.54 *15*	$^{81}_{35}Br_{46}$
1065	2387.0 *23*	0.012 *2*	(6173)	0.00012 *2*	4244 *1*	(1+)	6.19 *8*	allowed		$^{74}_{37}Rb_{37}$	64.776 ms *30*	0.0	0+	ec β+ 100 %	10416 *4*	$^{74}_{36}Kr_{38}$
1066	3610.3 *23*	0.038 *7*	(8675)	0.00012 *2*	1742 *1* ?	(2+)	6.49 *8*	2nd non-unique		$^{74}_{37}Rb_{37}$	64.776 ms *30*	0.0	0+	ec β+ 100 %	10416 *4*	$^{74}_{36}Kr_{38}$
1067	3653.6 *23*	0.052 *5*	(8763)	0.00016 *2*	1654 *1*	(0+)	6.37 *5*	super allowed		$^{74}_{37}Rb_{37}$	64.776 ms *30*	0.0	0+	ec β+ 100 %	10416 *4*	$^{74}_{36}Kr_{38}$
1068	3875.2 *23*	0.053 *16*	(9213)	0.00014 *4*	1204 *1* ?	(2+)	6.48 *14*	2nd non-unique		$^{74}_{37}Rb_{37}$	64.776 ms *30*	0.0	0+	ec β+ 100 %	10416 *4*	$^{74}_{36}Kr_{38}$
1069	4218.0 *23*	0.043 *11*	(9908)	0.000090 *23*	509 *1*	0+	6.74 *12*	super allowed		$^{74}_{37}Rb_{37}$	64.776 ms *30*	0.0	0+	ec β+ 100 %	10416 *4*	$^{74}_{36}Kr_{38}$
1070	4244.1 *23*	0.138 *18*	(9961)	0.00028 *4*	456 *1* ?	2+	6.25 *6*	2nd non-unique		$^{74}_{37}Rb_{37}$	64.776 ms *30*	0.0	0+	ec β+ 100 %	10416 *4*	$^{74}_{36}Kr_{38}$
1071	4469.5 *23*	**99.32 *10***	(10417)	0.1766 *18*	0	0+	3.4899 *11*	super allowed		$^{74}_{37}Rb_{37}$	64.776 ms *30*	0.0	0+	ec β+ 100 %	10416 *4*	$^{74}_{36}Kr_{38}$
1072	2334 *4*	< 4.3	(6063)	< 0.048	1042.14 *10*	(3/2+,5/2)	> 6.1			$^{75}_{37}Rb_{38}$	19.0 s *12*	0	3/2(-)	ec β+ 100 %	7105 *8*	$^{75}_{36}Kr_{39}$
1073	2341 *4*	< 1.1	(6078)	< 0.012	1026.5 *3*	(1/2+,3/2,5/2)	> 6.7			$^{75}_{37}Rb_{38}$	19.0 s *12*	0	3/2(-)	ec β+ 100 %	7105 *8*	$^{75}_{36}Kr_{39}$
1074	2412 *4*	< 3.1	(6224)	< 0.031	880.69 *10*	(1/2-,3/2,5/2)	> 6.3			$^{75}_{37}Rb_{38}$	19.0 s *12*	0	3/2(-)	ec β+ 100 %	7105 *8*	$^{75}_{36}Kr_{39}$
1075	2435 *4*	< 3.9	(6272)	< 0.038	833.21 *9*	(1/2-,3/2,5/2)	> 6.2			$^{75}_{37}Rb_{38}$	19.0 s *12*	0	3/2(-)	ec β+ 100 %	7105 *8*	$^{75}_{36}Kr_{39}$
1076	2514 *4*	< 17	(6433)	< 0.15	671.80 *7*	(3/2-,5/2-)	> 5.6			$^{75}_{37}Rb_{38}$	19.0 s *12*	0	3/2(-)	ec β+ 100 %	7105 *8*	$^{75}_{36}Kr_{39}$
1077	2534 *4*	< 6.8	(6476)	< 0.061	629.04 *10*	(1/2+,3/2,5/2)	> 6.0			$^{75}_{37}Rb_{38}$	19.0 s *12*	0	3/2(-)	ec β+ 100 %	7105 *8*	$^{75}_{36}Kr_{39}$
1078	2543 *4*	< 3.2	(6494)	< 0.028	611.16 *9*	(7/2)-	> 6.3	2nd non-unique		$^{75}_{37}Rb_{38}$	19.0 s *12*	0	3/2(-)	ec β+ 100 %	7105 *8*	$^{75}_{36}Kr_{39}$
1079	2666 *4*	**< 36**	(6747)	< 0.27	358.11 *6*	(5/2)-	> 5.4	allowed		$^{75}_{37}Rb_{38}$	19.0 s *12*	0	3/2(-)	ec β+ 100 %	7105 *8*	$^{75}_{36}Kr_{39}$
1080	2750 *4*	< 7.2	(6918)	< 0.051	187.05 *10*	(7/2)+	> 6.1	1st unique		$^{75}_{37}Rb_{38}$	19.0 s *12*	0	3/2(-)	ec β+ 100 %	7105 *8*	$^{75}_{36}Kr_{39}$
1081	2754 *4*	< 18	(6926)	< 0.13	178.90 *5*	(3/2)-	> 5.8	allowed		$^{75}_{37}Rb_{38}$	19.0 s *12*	0	3/2(-)	ec β+ 100 %	7105 *8*	$^{75}_{36}Kr_{39}$
1082	2050 *7*	6.9 *6*	(5476)	0.11 *1*	3024.18 *12*	(1-,2)	5.88 *4*			$^{76}_{37}Rb_{39}$	36.5 s *6*	0.0	1(-)	ec β+ 100 %	8535 *4*	$^{76}_{36}Kr_{40}$
1083	2097 *7*	9.4 *11*	(5573)	0.14 *2*	2926.54 *12*	(0,1,2)	5.79 *6*			$^{76}_{37}Rb_{39}$	36.5 s *6*	0.0	1(-)	ec β+ 100 %	8535 *4*	$^{76}_{36}Kr_{40}$
1084	2150 *7*	5.6 *6*	(5683)	0.079 *8*	2816.7 *3*	(1,2+)	6.06 *5*			$^{76}_{37}Rb_{39}$	36.5 s *6*	0.0	1(-)	ec β+ 100 %	8535 *4*	$^{76}_{36}Kr_{40}$
1085	2170 *7*	2.7 *4*	(5725)	0.037 *5*	2774.88 *12*	(0+,1,2)	6.40 *7*			$^{76}_{37}Rb_{39}$	36.5 s *6*	0.0	1(-)	ec β+ 100 %	8535 *4*	$^{76}_{36}Kr_{40}$
1086	2269 *7*	**43 *3***	5492 *44*	0.53 *4*	2570.95 *8*	(1,2+)	5.28 *3*			$^{76}_{37}Rb_{39}$	36.5 s *6*	0.0	1(-)	ec β+ 100 %	8535 *4*	$^{76}_{36}Kr_{40}$
1087	2421 *7*	0.41 *18*	(6243)	0.0041 *18*	2257.41 *10* ?	3-	7.43 *19*	2nd non-unique		$^{76}_{37}Rb_{39}$	36.5 s *6*	0.0	1(-)	ec β+ 100 %	8535 *4*	$^{76}_{36}Kr_{40}$
1088	2436 *7*	6.6 *6*	(6273)	0.066 *6*	2227.18 *10*	(2-)	6.23 *4*	allowed		$^{76}_{37}Rb_{39}$	36.5 s *6*	0.0	1(-)	ec β+ 100 %	8535 *4*	$^{76}_{36}Kr_{40}$
1089	2495 *7*	5.8 *5*	(6396)	0.054 *5*	2104.29 *14*	(1,2+)	6.33 *4*			$^{76}_{37}Rb_{39}$	36.5 s *6*	0.0	1(-)	ec β+ 100 %	8535 *4*	$^{76}_{36}Kr_{40}$
1090	2502 *7*	0.41 *13*	(6409)	0.0037 *12*	2091.44 *12* ?	(1,2+)	7.49 *14*			$^{76}_{37}Rb_{39}$	36.5 s *6*	0.0	1(-)	ec β+ 100 %	8535 *4*	$^{76}_{36}Kr_{40}$
1091	2673 *7*	1.3 *1*	(6767)	0.021 *2*	1733.27 *12* ?	(3+)	9.03 *4*	1st unique		$^{76}_{37}Rb_{39}$	36.5 s *6*	0.0	1(-)	ec β+ 100 %	8535 *4*	$^{76}_{36}Kr_{40}$
1092	2698 *7*	1.8 *6*	(6813)	0.013 *4*	1687.28 *9*	2+	7.00 *15*	1st non-unique		$^{76}_{37}Rb_{39}$	36.5 s *6*	0.0	1(-)	ec β+ 100 %	8535 *4*	$^{76}_{36}Kr_{40}$
1093	2742 *7*	0.8 *2*	(6902)	0.006 *1*	1597.98 *9* ?	(≤ 4)	7.38 *11*	2nd unique		$^{76}_{37}Rb_{39}$	36.5 s *6*	0.0	1(-)	ec β+ 100 %	8535 *4*	$^{76}_{36}Kr_{40}$
1094	2926 *7*	4.4 *4*	(7278)	0.026 *2*	1221.66 *7*	2+	6.76 *4*	1st non-unique		$^{76}_{37}Rb_{39}$	36.5 s *6*	0.0	1(-)	ec β+ 100 %	8535 *4*	$^{76}_{36}Kr_{40}$
1095	3017 *7*	1.5 *2*	(7465)	0.0081 *11*	1034.62 *10* ?	4+	7.29 *6*	3rd non-unique		$^{76}_{37}Rb_{39}$	36.5 s *6*	0.0	1(-)	ec β+ 100 %	8535 *4*	$^{76}_{36}Kr_{40}$
1096	3147 *7*	1.2 *6*	(7730)	0.006 *3*	769.87 *10* ?	0+	7.47 *22*	1st non-unique		$^{76}_{37}Rb_{39}$	36.5 s *6*	0.0	1(-)	ec β+ 100 %	8535 *4*	$^{76}_{36}Kr_{40}$
1097	3316 *7*	6.6 *21*	(8076)	0.027 *9*	423.96 *7*	2+	6.83 *14*	1st non-unique		$^{76}_{37}Rb_{39}$	36.5 s *6*	0.0	1(-)	ec β+ 100 %	8535 *4*	$^{76}_{36}Kr_{40}$
1098	552.4 *11*	0.17 *3*	(2284.7)	0.14 *3*	3054.30 *15*	(1/2-,3/2-,5/2-)	5.8 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1099	573.2 *11*	0.43 *8*	(2331.3)	0.29 *6*	3007.72 *19*	(3/2,5/2)-	5.5 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1100	656.5 *11*	0.38 *8*	(2516.3)	0.17 *3*	2822.65 *19*	(3/2-,5/2-)	5.8 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1101	1022.2 *12*	3.8 *7*	(3313.2)	0.45 *9*	2025.73 *7*	1/2-,3/2-,5/2-	5.6 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1102	1074.5 *12*	0.58 *12*	(3425.5)	0.060 *12*	1913.48 *13*	(1/2-,3/2,5/2)	6.5 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1103	1077.2 *13*	0.31 *5*	(3431)	0.032 *6*	1907.6 *12*	(3/2-,5/2-)	6.8 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1104	1096.8 *12*	0.15 *3*	(3473)	0.015 *3*	1865.6 *9*	(3/2+,5/2)	7.2 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1105	1109.5 *12*	1.8 *4*	(3500.6)	0.17 *3*	1838.37 *8*	(1/2+,3/2,5/2)	6.1 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1106	1135.8 *12*	0.97 *17*	(3556.7)	0.085 *15*	1782.23 *11*	1/2,3/2,5/2	6.4 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1107	1187.2 *12*	1.22 *23*	(3666.5)	0.094 *18*	1672.48 *12*	(3/2,5/2)	6.4 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1108	1263.8 *12*	0.97 *23*	(3829)	0.062 *15*	1509.5 *7*	(3/2+,5/2)	6.6 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1109	1294.7 *12*	0.8 *3*	(3895)	0.05 *2*	1444.1 *7*	1/2,3/2,5/2	6.8 *2*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1110	1356.9 *12*	0.82 *19*	(4026.5)	0.043 *10*	1312.44 *15*	1/2,3/2,5/2(-)	6.8 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1111	1389.7 *12*	1.1 *3*	(4095.9)	0.056 *14*	1243.09 *14*	(1/2+,3/2,5/2-)	6.7 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1112	1431.8 *12*	1.1 *3*	(4185)	0.047 *13*	1154.2 *7* ?		6.8 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1113	1453.4 *12*	2.7 *6*	(4230.3)	0.12 *2*	1108.67 *12*	(5/2)	6.4 *1*	allowed		$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1114	1487.2 *12*	1.2 *3*	(4301.5)	0.046 *12*	1037.42 *6*	(3/2,5/2)	6.8 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1115	1493.2 *12*	1.4 *4*	(4314)	0.057 *15*	1024.8 *6*	(3/2,5/2)	6.8 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1116	1498.8 *12*	1.6 *4*	(4326)	0.064 *15*	1013.0 *6*	(1/2+,3/2,5/2-)	6.7 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1117	1526.2 *12*	0.55 *19*	(4383)	0.021 *7*	955.5 *7*	(3/2+,5/2)	7.2 *2*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1118	1565.9 *12*	2.1 *7*	(4467.0)	0.074 *23*	872.01 *7*	(3/2,5/2)	6.7 *2*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1119	1604.8 *12*	1.3 *3*	(4548.4)	0.041 *9*	790.52 *12*	(1/2-,3/2,5/2)	7.0 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1120	1625.5 *12*	0.54 *10*	(4591.8)	0.017 *3*	747.18 *23*	(3/2+,5/2)	7.3 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1121	1632.1 *12*	0.9 *3*	(4606)	0.03 *1*	733.3 *6*	(1/2,3/2,5/2)	7.1 *2*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1122	1641.1 *12*	2.8 *6*	(4624.6)	0.085 *18*	714.35 *8*	(1/2-,3/2,5/2-)	6.6 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1123	1659.9 *12*	2.3 *6*	(4664.0)	0.069 *17*	674.98 *21*	(3/2+,5/2)	6.7 *1*			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$

#	<Eβ+> [keV]	Iβ+(abs) [%]	EEC [keV]	IEC(abs) [%]	Daughter level [keV]	Jπ	Log*ft*	Transition type	Comments	Parent	T1/2	Ex [keV]	Jp order	Decay	Qdecay[keV] see the note	Daught
1124	1706.6 *12*	< 0.09	(4762)	< 0.002	577.3 *6* ?	(3/2-,5/2,7/2-)	> 8.2			$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1125	1743.9 *12*	1.6 *4*	(4839.4)	0.040 *10*	499.58 *12* ?	7/2-	7.0 *1*	2nd non-unique		$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1126	1762.9 *12*	7.1 *14*	(4879.1)	0.18 *3*	459.88 *9*	1/2-	6.4 *1*	allowed		$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1127	1865.8 *12*	12.6 *24*	(5093.7)	0.27 *5*	245.30 *6*	5/2-	6.2 *1*	allowed		$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1128	1919.8 *12*	1.5 *5*	(5189.0)	0.069 *22*	149.94 *9*	7/2+	8.8 *2*	1st unique		$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1129	1951.8 *12*	27 *5*	(5272.5)	0.51 *9*	66.50 *5*	3/2-	6.0 *1*	allowed		$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1130	1983.9 *12*	**< 29**	(5339.0)	< 0.52	0.0 ?	5/2+	> 5.9	1st non-unique		$^{77}_{37}Rb_{40}$	3.78 min *4*	0.0	3/2-	ec β+ 100 %	5339.0 *24*	$^{77}_{36}Kr_{41}$
1131	277 *4*	0.024 *3*	(1657)	0.19 *3*	5586.09 *16*	(1)	6.08 *7*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1132	285 *4*	0.049 *5*	(1675)	0.35 *4*	5567.79 *16*	(1)	5.81 *5*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1133	296 *4*	0.030 *6*	(1699)	0.19 *3*	5543.69 *16*	(1)	6.1 *1*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1134	302 *4*	0.13 *1*	(1714)	0.73 *5*	5529.24 *9*	(1)	5.51 *4*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1135	371 *4*	0.080 *11*	(1873)	0.23 *3*	5369.56 *15*	(1)	6.09 *6*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1136	387 *4*	0.17 *1*	(1910)	0.41 *4*	5333.04 *12*	(1)	5.86 *4*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1137	426 *4*	0.22 *2*	(1999)	0.39 *4*	5243.88 *8*	(1)	5.92 *5*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1138	435 *4*	0.16 *2*	(2020)	0.26 *3*	5222.60 *11*	(1)	6.10 *6*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1139	449 *4*	0.44 *8*	(2050)	0.66 *12*	5192.51 *11*	(1)	5.7 *1*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1140	454 *4*	0.35 *2*	(2062)	0.52 *3*	5180.74 *8*	(1)	5.83 *3*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1141	506 *4*	0.24 *2*	(2181)	0.24 *2*	5061.69 *17*	(1)	6.20 *4*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1142	529 *4*	0.40 *3*	(2231)	0.35 *2*	5011.53 *7*	(1)	6.06 *3*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1143	796 *4*	0.59 *3*	(2822)	0.15 *1*	4420.88 *9*	(1)	6.64 *3*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1144	896 *4*	0.52 *4*	(3041)	0.091 *8*	4201.68 *8*	(1)	6.92 *4*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1145	948 *4*	2.6 *2*	(3154)	0.39 *3*	4089.32 *5*	(1)	6.32 *3*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1146	971 *4*	3.3 *2*	(3203)	0.46 *3*	4040.39 *5*	(1)	6.26 *3*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1147	986 *4*	2.0 *1*	(3235)	0.27 *1*	4007.80 *5*	(1)	6.50 *2*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1148	1019 *4*	3.0 *2*	(3305)	0.37 *2*	3937.58 *4*	(1)	6.39 *3*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1149	1038 *4*	0.17 *4*	(3346)	0.019 *4*	4007.79 *6* ?	(1)	7.2 *1*	2nd unique		$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1150	1039 *4*	**15.9 *7***	(3350)	1.80 *8*	3893.27 *5*	(1)	5.71 *2*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1151	1069 *4*	2.70 *15*	(3414)	0.282 *17*	3829.45 *6*	(1)	6.53 *3*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1152	1147 *4*	8.9 *4*	(3580)	0.76 *3*	3774.61 *5*	(3)-	5.65 *2*	allowed		$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1153	1147 *4*	3.59 *20*	(3581)	0.306 *18*	3662.18 *5*	(1)	6.54 *3*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1154	1158 *4*	0.58 *6*	(3605)	0.047 *5*	3749.15 *10*	(3,4,5-)	6.86 *5*			$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1155	1170 *4*	2.92 *20*	(3629)	0.234 *16*	3725.49 *6*	3+,4+	6.17 *3*			$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1156	1188 *4*	2.54 *14*	(3668)	0.196 *11*	3575.08 *6*	(1)	6.75 *3*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1157	1196 *4*	3.38 *18*	(3685)	0.255 *13*	3669.22 *7*	3-,4-	6.15 *3*			$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1158	1205 *4*	6.5 *4*	(3704)	0.48 *3*	3539.07 *4*	(1)	6.37 *3*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1159	1253 *4*	14.9 *7*	(3806)	0.98 *4*	3437.42 *5*	(1)	6.08 *2*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1160	1341 *4*	0.99 *8*	(3993)	0.054 *4*	3361.14 *11*	4-,5-,6-	6.90 *4*			$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1161	1350 *4*	1.57 *7*	(4012)	0.083 *4*	3230.49 *5*	(1)	7.20 *2*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1162	1401 *4*	2.33 *12*	(4121)	0.111 *7*	3233.55 *6*	3-,4-	6.61 *3*			$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1163	1436 *4*	4.51 *22*	(4193)	0.201 *10*	3161.18 *6*	3-	6.37 *2*	allowed		$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1164	1462 *4*	2.80 *16*	(4249)	0.118 *8*	3105.37 *7*	3-,4-,5-	6.61 *3*			$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1165	1463 *4*	0.46 *5*	(4250)	0.019 *2*	2992.56 *7*		7.88 *5*			$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1166	1478 *4*	2.16 *10*	(4282)	0.089 *4*	3072.32 *6*	(5-)	6.74 *2*	allowed		$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1167	1482 *4*	0.69 *5*	(4290)	0.0283 *21*	3064.61 *11*	(5)-	7.24 *4*	allowed		$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1168	1513 *4*	2.40 *19*	(4355)	0.092 *7*	2999.36 *8*	3-	6.74 *4*	allowed		$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1169	1515 *4*	0.92 *6*	(4360)	0.035 *2*	2882.85 *7*	(1)	7.65 *3*	allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1170	1516 *4*	0.19 *3*	(4362)	0.0074 *11*	2992.54 *7*		7.83 *7*			$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1171	1568 *4*	0.82 *9*	(4472)	0.028 *3*	2882.07 *9*	3-	7.27 *5*	allowed		$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1172	1623 *4*	1.00 *5*	(4587)	0.0313 *16*	2656.13 *5*	(0,1)	7.74 *2*			$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1173	1625 *4*	12.1 *6*	(4590)	0.380 *18*	2764.10 *5*	(4)-	6.17 *2*	allowed		$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1174	1632 *4*	4.33 *21*	(4604)	0.133 *7*	2749.76 *7*	5-	6.63 *2*	allowed		$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1175	1663 *4*	0.90 *6*	(4670)	0.026 *2*	2573.35 *7*	1-,2-,3-	7.83 *3*			$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1176	1666 *4*	2.69 *13*	(4677)	0.078 *4*	2677.64 *9*	3-	6.87 *2*	allowed		$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1177	1694 *4*	0.54 *4*	(4735)	0.015 *1*	2508.02 *9*		8.08 *4*			$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1178	1716 *4*	1.39 *13*	(4781)	0.037 *3*	2573.34 *7*	1-,2-,3-	7.21 *4*			$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1179	1725 *4*	2.37 *10*	(4800)	0.062 *3*	2443.37 *5*	(1,2)+	7.48 *2*			$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1180	1747 *4*	0.097 *24*	(4846)	0.0024 *6*	2508.02 *9*		8.41 *12*			$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1181	1778 *4*	0.16 *4*	(4911)	0.0038 *9*	2443.37 *5*	(1,2)+	8.23 *11*			$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1182	1792 *4*	1.91 *11*	(4941)	0.045 *3*	2413.44 *11*	2+,3+,4+	7.16 *3*			$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1183	1799 *4*	3.15 *23*	(4955)	0.074 *5*	2399.02 *5*	3-	6.95 *4*	allowed		$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1184	1822 *4*	1.36 *12*	(5002)	0.031 *3*	2240.69 *5*	(1,2)+	7.83 *4*			$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1185	1825 *4*	0.7 *2*	(5009)		2234.20 *4*	(0:4)+	8.1 *1*			$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1186	1847 *4*	2.17 *13*	(5054)	0.047 *3*	2299.77 *6*	5+	7.16 *3*	1st non-unique		$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1187	1875 *4*	0.43 *6*	(5113)	0.0091 *12*	2240.69 *5*	(1,2)+	7.89 *6*			$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1188	1879 *4*	0.94 *5*	(5120)	0.0192 *11*	2234.16 *6*	(0:4)+	7.56 *3*			$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1189	1934 *4*	< 0.49	(5236)	< 0.0093	2007.42 *5* ?	(0 TO 3)	> 8.4			$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1190	2009 *4*	0.85 *9*	(5376)	0.033 *3*	1977.81 *8*	6+	9.41 *5*	1st unique		$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1191	2047 *4*	0.26 *4*	(5470)	0.0041 *6*	1772.93 *4*	(1,2+)	8.8 *1*			$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1192	2053 *4*	4.1 *4*	(5481)	0.067 *6*	1872.92 *5*	4+	7.08 *5*	1st non-unique		$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1193	2101 *4*	0.90 *6*	(5581)	0.0131 *11*	1772.93 *4*	(1,2)+	7.79 *3*			$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1194	2114 *4*	1.39 *14*	(5598)	0.047 *5*	1755.85 *4*	2+	9.33 *5*	1st unique		$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1195	2201 *4*	5.5 *4*	(5789)	0.073 *5*	1564.76 *4*	3+	7.09 *4*	1st non-unique		$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1196	2350 *4*	< 3.2	(6095)	< 0.04	1147.92 *3* ?	2+	> 7.9	2nd non-unique		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1197	2405 *4*	0.6 *4*	(6206)	0.010 *10*	1147.90 *4* ?	2+	10.1 *3*	1st unique		$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1198	2413 *4*	2.0 *7*	(6226)	0.020 *7*	1017.18 *3*	0+	8.2 *2*	super allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1199	2417 *4*	**13.1 *8***	(6235)	0.132 *8*	1119.47 *4*	4+	6.89 *3*	1st non-unique		$^{78m1}_{37}Rb_{41}$	5.74 min *3*	111.19 *22*	4(-)	ec β+ 91 *2* %	7354.19 *3*	$^{78}_{36}Kr_{42}$
1200	2686 *4*	< 2.4	(6788)	< 0.018	455.04 *3* ?	2+	> 8.3	2nd non-unique		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1201	2909 *4*	8 *2*	7240 *20*	0.05 *1*	0.0	0+	8.0 *1*	super allowed		$^{78}_{37}Rb_{41}$	17.66 min *3*	0.0	0(+)	ec β+ 100 %	7243 *3*	$^{78}_{36}Kr_{42}$
1202			(1053)	0.19 *2*	2586.29 *11*	(3/2+)	5.78 *5*	allowed		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1203			(1055)	0.20 *2*	2583.82 *14*	(5/2+)	5.76 *5*	allowed		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1204	113.8 *17*	0.00044 *8*	(1272)	0.12 *2*	2366.56 *19*	(3/2,5/2)	6.15 *8*			$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1205	224.8 *17*	0.0031 *7*	(1534)	0.053 *12*	2105.18 *19*	(5/2+,7/2-)	6.67 *11*			$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1206	350.6 *18*	0.034 *4*	(1827)	0.12 *2*	1812.41 *11*	(5/2+)	6.48 *6*	allowed		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1207	396.4 *18*	0.039 *4*	(1932)	0.090 *8*	1707.34 *10*	(5/2+,7/2)	6.64 *5*			$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1208	439.1 *18*	0.36 *2*	(2029)	0.59 *3*	1609.91 *6*	(3/2+,5/2+)	5.87 *3*			$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1209	498.9 *18*	0.36 *2*	(2164)	0.39 *2*	1474.61 *6*	(3/2)	6.11 *3*	allowed		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1210	519.5 *18*	0.15 *1*	(2211)	0.14 *1*	1428.16 *8*	(5/2+)	6.56 *4*	allowed		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1211	576.7 *18*	0.078 *12*	(2339)	0.052 *8*	1299.90 *17*	(5/2+)	7.04 *7*	allowed		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1212	652.1 *18*	0.071 *8*	(2507)	0.032 *4*	1132.25 *8*	(3/2,5/2-)	7.31 *6*			$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1213	676.1 *19*	0.15 *1*	(2560)	0.061 *6*	1079.12 *13*	(5/2+,7/2)	7.05 *5*			$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1214	682.7 *19*	1.31 *6*	(2574)	0.52 *3*	1064.67 *7*	(5/2+,7/2)	6.127 *24*			$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1215	754.2 *19*	0.12 *2*	(2732)	0.034 *5*	907.24 *15*	(3/2,5/2-)	7.36 *6*			$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1216	825.2 *19*	10.4 *5*	(2887)	2.35 *11*	752.03 *6*	5/2+	5.575 *23*	allowed		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1217	854.6 *19*	**42.0 *19***	(2951)	8.5 *4*	688.16 *5*	3/2+	5.035 *23*	allowed		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1218	861.5 *19*	0.48 *5*	(2966)	0.096 *10*	673.14 *11*	7/2(+)	6.99 *5*	allowed		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1219	867.9 *19*	0.10 *3*	(2980)	0.019 *5*	659.09 *14*	(5/2)-	7.68 *11*	1st non-unique		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$

#	<Eβ+> [keV]	Iβ+(abs) [%]	EEC [keV]	IEC(abs) [%]	Daughter level [keV]	Jπ	Log*ft*	Transition type	Comments	Parent	T1/2	Ex [keV]	Jp order	Decay	Qdecay[keV] see the note	Daught
1220	878.7 *19*	1.2 *4*	(3003)	0.22 *8*	635.78 *8*	5/2+	6.64 *16*	allowed		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1221	925.9 *19*	< 0.3	(3106)	< 0.06	533.40 *6* ?	1/2+	> 7.3	2nd non-unique		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1222	964.6 *19*	< 0.05	(3189)	< 0.007	449.80 *18* ?	7/2-	> 8.2	1st non-unique		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1223	986.8 *19*	0.41 *8*	(3237)	0.054 *11*	401.86 *7*	5/2-	7.32 *9*	1st non-unique		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1224	995.1 *19*	0.28 *8*	(3255)	0.037 *10*	384.10 *6*	3/2-	7.49 *13*	1st non-unique		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1225	1038.6 *19*	14.2 *7*	(3348)	1.61 *8*	290.52 *5*	5/2+	5.87 *3*	allowed		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1226	1088.8 *19*	< 0.2	(3456)	< 0.02	182.77 *5* ?	3/2-	> 7.8	1st non-unique		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1227	1104.6 *19*	< 0.2	(3490)	< 0.02	148.87 *7* ?	9/2+	> 7.9	2nd non-unique		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1228	1105.5 *19*	0.8 *5*	(3492)	0.08 *5*	147.05 *6*	5/2-	7.2 *3*	1st non-unique		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1229	1113.6 *19*	10.9 *12*	(3509)	1.01 *11*	129.76 *5*	7/2+	6.11 *5*	allowed		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1230	1193.9 *19*	< 1.1	(3639)	< 0.23	0.0 ?	1/2-	> 8.5	1st unique		$^{79}_{37}Rb_{42}$	22.9 min *5*	0.0	5/2+	ec β+ 100 %	3640 *4*	$^{79}_{36}Kr_{43}$
1231	1534 *3*	1.8 *3*	(4399)	0.068 *11*	1321.1 *7*	0+	5.88 *9*	allowed		$^{80}_{37}Rb_{43}$	33.4 s *7*	0.0	1+	ec β+ 100 %	5718.0 *20*	$^{80}_{36}Kr_{44}$
1232	1564 *3*	2.0 *3*	(4463)	0.071 *10*	1256.5 *7*	2+	5.87 *8*	allowed		$^{80}_{37}Rb_{43}$	33.4 s *7*	0.0	1+	ec β+ 100 %	5718.0 *20*	$^{80}_{36}Kr_{44}$
1233	1871 *3*	21 *3*	4880 *350*	0.44 *5*	616.8 *5*	2+	5.19 *8*	allowed		$^{80}_{37}Rb_{43}$	33.4 s *7*	0.0	1+	ec β+ 100 %	5718.0 *20*	$^{80}_{36}Kr_{44}$
1234	2168 *3*	**73 *3***	5630 *160*	1.01 *4*	0.0	0+	4.93 *6*	allowed		$^{80}_{37}Rb_{43}$	33.4 s *7*	0.0	1+	ec β+ 100 %	5718.0 *20*	$^{80}_{36}Kr_{44}$
1235			(582)	0.33 *12*	1743.61 *11*	(7/2)+	5.15 *16*	allowed		$^{81m}_{37}Rb_{44}$	30.5 min *3*	86.31 *7*	9/2+	ec β+ 2.4 *6* %	2325.31 *5*	$^{81}_{36}Kr_{45}$
1236			(544)	0.0063 *24*	1781.8 *5*	7/2,9/2,11/2(+)	6.80 *17*			$^{81m}_{37}Rb_{44}$	30.5 min *3*	86.31 *7*	9/2+	ec β+ 2.4 *6* %	2325.31 *5*	$^{81}_{36}Kr_{45}$
1237			(423)	0.0055 *21*	1902.6 *6*	7/2,9/2,11/2(+)	6.64 *17*			$^{81m}_{37}Rb_{44}$	30.5 min *3*	86.31 *7*	9/2+	ec β+ 2.4 *6* %	2325.31 *5*	$^{81}_{36}Kr_{45}$
1238			(637)	0.022 *8*	1687.9 *3*	7/2,9/2,11/2(+)	6.40 *16*			$^{81m}_{37}Rb_{44}$	30.5 min *3*	86.31 *7*	9/2+	ec β+ 2.4 *6* %	2325.31 *5*	$^{81}_{36}Kr_{45}$
1239			(643)	0.021 *8*	1682.7 *4*	7/2,9/2,11/2(+)	6.43 *17*			$^{81m}_{37}Rb_{44}$	30.5 min *3*	86.31 *7*	9/2+	ec β+ 2.4 *6* %	2325.31 *5*	$^{81}_{36}Kr_{45}$
1240			(1119)	0.019 *8*	1206.44 *20*	(7/2)	6.96 *19*	allowed		$^{81m}_{37}Rb_{44}$	30.5 min *3*	86.31 *7*	9/2+	ec β+ 2.4 *6* %	2325.31 *5*	$^{81}_{36}Kr_{45}$
1241			(1139)	< 0.06	1100.3 *5* ?	5/2+	> 7.4	1st non-unique		$^{81}_{37}Rb_{44}$	4.572 h *4*	0.0	3/2-	ec β+ 100 %	2239 *5*	$^{81}_{36}Kr_{45}$
1242			(1000)	0.38 *8*	1239.05 *8*	(3/2)+	6.52 *10*	1st non-unique		$^{81}_{37}Rb_{44}$	4.572 h *4*	0.0	3/2-	ec β+ 100 %	2239 *5*	$^{81}_{36}Kr_{45}$
1243			(681)	0.6 *5*	1558.4 *4* ?	1/2,3/2,5/2	6.0 *4*			$^{81}_{37}Rb_{44}$	4.572 h *4*	0.0	3/2-	ec β+ 100 %	2239 *5*	$^{81}_{36}Kr_{45}$
1244			(561)	1.26 *6*	1678.04 *6*	1/2-,3/2-	5.485 *23*			$^{81}_{37}Rb_{44}$	4.572 h *4*	0.0	3/2-	ec β+ 100 %	2239 *5*	$^{81}_{36}Kr_{45}$
1245			(494)	0.106 *7*	1744.86 *12*	(1/2)-	6.45 *3*	allowed		$^{81}_{37}Rb_{44}$	4.572 h *4*	0.0	3/2-	ec β+ 100 %	2239 *5*	$^{81}_{36}Kr_{45}$
1246			(174)	0.059 *5*	2064.69 *14*	(1/2,3/2)-	5.75 *5*			$^{81}_{37}Rb_{44}$	4.572 h *4*	0.0	3/2-	ec β+ 100 %	2239 *5*	$^{81}_{36}Kr_{45}$
1247	89 *3*	0.0028 *4*	(1213)	2.29 *14*	1025.64 *4*	3/2-,5/2-	5.91 *3*			$^{81}_{37}Rb_{44}$	4.572 h *4*	0.0	3/2-	ec β+ 100 %	2239 *5*	$^{81}_{36}Kr_{45}$
1248	102 *3*	0.0090 *11*	(1245)	3.91 *20*	994.34 *5*	(1/2,3/2,5/2)-	5.696 *23*			$^{81}_{37}Rb_{44}$	4.572 h *4*	0.0	3/2-	ec β+ 100 %	2239 *5*	$^{81}_{36}Kr_{45}$
1249	134 *3*	0.00194 *20*	(1319)	0.264 *17*	919.83 *6*	3/2-	6.92 *3*	allowed		$^{81}_{37}Rb_{44}$	4.572 h *4*	0.0	3/2-	ec β+ 100 %	2239 *5*	$^{81}_{36}Kr_{45}$
1250	144 *3*	0.00055 *20*	(1344)	0.054 *20*	981.74 *13*	(9/2+)	6.67 *16*	allowed		$^{81m}_{37}Rb_{44}$	30.5 min *3*	86.31 *7*	9/2+	ec β+ 2.4 *6* %	2325.31 *5*	$^{81}_{36}Kr_{45}$
1251	164 *3*	0.00060 *24*	(1391)	0.035 *14*	934.51 *22*	(11/2)+	6.88 *17*	allowed		$^{81m}_{37}Rb_{44}$	30.5 min *3*	86.31 *7*	9/2+	ec β+ 2.4 *6* %	2325.31 *5*	$^{81}_{36}Kr_{45}$
1252	190 *3*	0.0007 *3*	(1452)	0.022 *9*	873.8 *3*	(11/2)+	7.12 *17*	allowed		$^{81m}_{37}Rb_{44}$	30.5 min *3*	86.31 *7*	9/2+	ec β+ 2.4 *6* %	2325.31 *5*	$^{81}_{36}Kr_{45}$
1253	227 *3*	0.28 *6*	(1538)	4.7 *9*	700.86 *6*	(5/2)-	5.80 *9*	allowed		$^{81}_{37}Rb_{44}$	4.572 h *4*	0.0	3/2-	ec β+ 100 %	2239 *5*	$^{81}_{36}Kr_{45}$
1254	250 *3*	0.0043 *16*	(1593)	0.050 *18*	731.86 *11*	(5/2)+	6.85 *16*	2nd non-unique		$^{81m}_{37}Rb_{44}$	30.5 min *3*	86.31 *7*	9/2+	ec β+ 2.4 *6* %	2325.31 *5*	$^{81}_{36}Kr_{45}$
1255	254 *3*	1.82 *10*	1597 *35*	19.9 *8*	636.85 *5*	3/2-	5.211 *19*	allowed		$^{81}_{37}Rb_{44}$	4.572 h *4*	0.0	3/2-	ec β+ 100 %	2239 *5*	$^{81}_{36}Kr_{45}$
1256	266 *3*	0.018 *6*	(1630)	0.16 *5*	608.52 *6*	3/2+,5/2+	7.31 *15*			$^{81}_{37}Rb_{44}$	4.572 h *4*	0.0	3/2-	ec β+ 100 %	2239 *5*	$^{81}_{36}Kr_{45}$
1257	292 *3*	< 0.004	(1690)	< 0.03	548.98 *4* ?	5/2+	> 8.1	1st non-unique		$^{81}_{37}Rb_{44}$	4.572 h *4*	0.0	3/2-	ec β+ 100 %	2239 *5*	$^{81}_{36}Kr_{45}$
1258	448 *3*	**25 *1***	2072 *21*	39 *2*	190.72 *5*	1/2-	5.137 *22*	allowed		$^{81}_{37}Rb_{44}$	4.572 h *4*	0.0	3/2-	ec β+ 100 %	2239 *5*	$^{81}_{36}Kr_{45}$
1259	548 *3*	**0.8 *4***	(2276)	0.7 *3*	49.50 *8*	9/2+	6.04 *21*	allowed		$^{81m}_{37}Rb_{44}$	30.5 min *3*	86.31 *7*	9/2+	ec β+ 2.4 *6* %	2325.31 *5*	$^{81}_{36}Kr_{45}$
1260	559 *3*	< 0.12	(2239)	< 0.38	0 ?	7/2+	> 8.5	1st unique		$^{81}_{37}Rb_{44}$	4.572 h *4*	0.0	3/2-	ec β+ 100 %	2239 *5*	$^{81}_{36}Kr_{45}$
1261	571 *3*	< 0.4	(2325)	< 0.3	0 ?	7/2+	> 6.4	allowed		$^{81m}_{37}Rb_{44}$	30.5 min *3*	86.31 *7*	9/2+	ec β+ 2.4 *6* %	2325.31 *5*	$^{81}_{36}Kr_{45}$
1262			(337)	0.30 *6*	4135.6 *5* ?		5.83 *11*			$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1263			(405)	0.214 *14*	4068.05 *11*	4,5(+)	6.13 *6*			$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1264			(409)	0.118 *12*	4063.51 *13*	4,5,6(+)	6.40 *7*			$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1265			(475)	0.19 *4*	3997.91 *13*	4,5,6(+)	6.32 *11*			$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1266			(521)	0.045 *18*	3951.5 *4*	4,5,6(+)	7.03 *18*			$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1267			(817)	0.49 *6*	3655.85 *12*	4(+),5,6(+)	6.39 *6*			$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1268			(1081)	0.17 *9*	3392.2 *7* ?		7.09 *23*			$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1269			(2516)		1956.64 *8* ?	(2+)		3rd non-unique		$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1270			(446)	0.000122 *10*	3958.05 *14*	1,2(+)	6.96 *4*			$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1271			(484)	0.000060 *15*	3920.01 *24*		7.34 *11*			$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1272			(493)	0.000143 *11*	3910.85 *12*	1,2(+)	6.98 *4*			$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1273			(523)	0.00125 *10*	3881.00 *7*	1,2(+)	6.09 *4*			$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1274			(568)	0.00223 *14*	3836.13 *6*	1,2	5.91 *3*			$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1275			(589)	0.00068 *4*	3815.23 *7*	1,2(+)	6.46 *3*			$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1276			(661)	0.00505 *22*	3742.76 *6*		5.689 *20*			$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1277			(688)	0.00524 *18*	3716.15 *6*	(2+)	5.708 *16*	allowed		$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1278			(839)	0.0057 *3*	3565.12 *5*	(0)+	5.847 *23*	allowed		$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1279			(947)	0.00042 *6*	3457.21 *14*	1,2(+)	7.09 *7*			$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1280			(966)	0.00099 *10*	3438.15 *12*		6.73 *5*			$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1281			(1048)	0.00139 *9*	3355.99 *7*	1,2(+)	6.66 *3*			$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1282			(1118)	0.00405 *17*	3285.81 *5*		6.248 *19*			$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1283			(1170)	0.00223 *17*	3234.06 *10*	(0+)	6.55 *4*	allowed		$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1284			(1187)	0.00041 *8*	3217.2 *3*		7.30 *9*			$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1285			(1197)	0.00048 *8*	3207.1 *3*		7.23 *8*			$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1286	90.1 *13*	0.000038 *3*	(1217)	0.0288 *13*	3187.15 *5*	(0)+	5.471 *20*	allowed		$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1287	113.9 *13*	0.0000031 *5*	(1273)	0.00084 *13*	3131.35 *17*		7.05 *7*			$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1288	172.4 *13*	0.0000084 *14*	(1411)	0.00040 *7*	2993.43 *18*		7.46 *8*			$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1289	184.5 *13*	0.000015 *3*	(1439)	0.00055 *11*	2964.81 *16*		7.34 *9*			$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1290	186 *11*	0.002 *2*	(1435)	0.08 *6*	3037.83 *14*	(6-)	7.7 *4*	allowed		$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1291	193.2 *13*	0.00153 *8*	(1459)	0.0471 *20*	2944.52 *4*	2	5.417 *19*	allowed		$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1292	198 *11*	0.17 *4*	(1462)	4.81 *11*	3011.25 *10*	(5)-	5.90 *2*	allowed		$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1293	236 *11*	0.029 *6*	(1553)	0.41 *6*	2920.29 *12*	(6+)	7.02 *7*	1st non-unique		$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1294	266 *11*	0.042 *7*	(1623)	0.39 *4*	2849.74 *12*	(4+)	7.09 *5*	1st non-unique		$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1295	276 *11*	0.61 *8*	(1645)	4.94 *14*	2828.09 *10*	5(-)	5.99 *2*	allowed		$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1296	289 *11*	0.027 *5*	(1675)	0.18 *3*	2797.56 *5* ?		7.44 *7*			$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1297	304.3 *13*	0.00041 *3*	(1720)	0.00231 *14*	2684.45 *12*		6.87 *3*			$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1298	308.0 *13*	0.000161 *22*	(1728)	0.00088 *12*	2676.0 *3*		7.29 *6*			$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1299	316.6 *13*	0.00247 *12*	(1748)	0.0122 *6*	2655.96 *4*	2+	6.160 *21*	allowed		$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1300	353 *11*	**19.7 *16***	(1825)	66.7 *18*	2648.43 *9*	4-	4.95 *2*	allowed		$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1301	363.6 *13*	0.00004 *3*	(1857)	0.00011 *11*	2547.468 *13*	(3-)	8.2 *4*	1st unique		$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1302	393 *11*	< 0.042	(1917)	< 0.098	2556.18 *8* ?	(4+)	> 7.8	1st non-unique		$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1303	393.0 *14*	0.0298 *12*	(1924)	0.070 *3*	2480.06 *3*	2+	5.485 *18*	allowed		$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1304	397 *11*	0.18 *3*	(1925)	0.41 *6*	2547.70 *10* ?	(3-)	7.21 *7*	2nd non-unique		$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1305	406.1 *14*	0.00488 *20*	(1954)	0.0103 *4*	2450.19 *5*	0+	6.331 *18*	allowed		$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1306	450 *11*	< 0.056	(2046)	< 0.084	2427.00 *9* ?	(4+)	> 8.0	1st non-unique		$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1307	529.0 *14*	0.32 *2*	(2232)	0.28 *1*	2171.81 *5*	0+	5.010 *22*	allowed		$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1308	625 *11*	< 0.36	(2379)	< 0.74	2094.01 *9* ?	3+	> 8.5	1st unique		$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1309	625.3 *14*	0.0026 *7*	(2447)	0.0014 *4*	1956.771 *16*	(2+)	7.40 *12*	allowed		$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1310	686.8 *14*	0.00032 *11*	(2583)	0.00013 *5*	1820.538 *13*	4+	8.48 *16*	2nd unique		$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1311	722 *11*	< 0.4	(2652)	< 0.2	1820.55 *8* ?	4+	> 7.9	1st non-unique		$^{82m}_{37}Rb_{45}$	6.472 h *6*	69.0 *15*	5-	ec β+ 100 %	4473 *15*	$^{82}_{36}Kr_{46}$
1312	838.7 *14*	0.0416 *11*	(2916)	0.00892 *24*	1487.70 *5*	0+	6.744 *12*	allowed		$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1313	844.6 *14*	0.158 *5*	(2929)	0.0332 *11*	1474.904 *8*	2+	6.178 *14*	allowed		$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1314	1169.0 *14*	13.0 *4*	(3627)	1.05 *3*	776.523 *8*	2+	4.863 *13*	allowed		$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$
1315	1536.0 *15*	**81.8 *4***	(4404)	3.00 *3*	0	0+	4.576 *3*	allowed		$^{82}_{37}Rb_{45}$	1.2575 min *2*	0	1+	ec β+ 100 %	4404 *3*	$^{82}_{36}Kr_{46}$

#	<$E_{\beta+}$> [keV]	$I_{\beta+}$(abs) [%]	E_{EC} [keV]	I_{EC}(abs) [%]	Daughter level [keV]	J^{π}	Log*ft*	Transition type	Comments	Parent	$T_{1/2}$	E_x [keV]	Jp order	Decay	Q_{decay}[keV] see the note	Daught
1316			(119.9)	0.90 *11*	799.49 *3*	5/2+	6.87 *6*	1st non-unique		$^{83}_{37}Rb_{46}$	86.2 d *1*	0.0	5/2-	ec 100 %	920.0 *23*	$^{83}_{36}Kr_{47}$
1317			(228.9)	0.137 *17*	690.53 *4*	5/2-	8.30 *6*	allowed		$^{83}_{37}Rb_{46}$	86.2 d *1*	0.0	5/2-	ec 100 %	920.0 *23*	$^{83}_{36}Kr_{47}$
1318			(348.2)	29.4 *23*	571.1538 *10*	(3/2-)	6.35 *4*	allowed		$^{83}_{37}Rb_{46}$	86.2 d *1*	0.0	5/2-	ec 100 %	920.0 *23*	$^{83}_{36}Kr_{47}$
1319			(357.4)	61 *4*	561.9586 *8*	5/2-	6.05 *3*	allowed		$^{83}_{37}Rb_{46}$	86.2 d *1*	0.0	5/2-	ec 100 %	920.0 *23*	$^{83}_{36}Kr_{47}$
1320			(910.0)	6 *3*	9.4057 *6*	7/2+	7.86 *21*	1st non-unique		$^{83}_{37}Rb_{46}$	86.2 d *1*	0.0	5/2-	ec 100 %	920.0 *23*	$^{83}_{36}Kr_{47}$
1321			(919.4)	< 5.0	0.0	9/2+	> 8.5	1st unique		$^{83}_{37}Rb_{46}$	86.2 d *1*	0.0	5/2-	ec 100 %	920.0 *23*	$^{83}_{36}Kr_{47}$
1322			(789)	1.09 *5*	1897.784 *10*	2+	8.085 *17*	1st non-unique		$^{84}_{37}Rb_{47}$	32.82 d *7*	0	2-	ec β+ 96.1 *20* %	2680.4 *22*	$^{84}_{36}Kr_{48}$
1323	340.5 *13*	12.6 *7*	781.5 *13*	56 *3*	881.615 *3*	2+	7.114 *11*	1st non-unique		$^{84}_{37}Rb_{47}$	32.82 d *7*	0	2-	ec β+ 96.1 *20* %	2680.4 *22*	$^{84}_{36}Kr_{48}$
1324	758.5 *14*	**13.1 *7***	1657.8 *8*	13.4 *7*	0	0+	9.509 *19*	1st unique		$^{84}_{37}Rb_{47}$	32.82 d *7*	0	2-	ec β+ 96.1 *20* %	2680.4 *22*	$^{84}_{36}Kr_{48}$
1325			(518.65)	0.0052 *7*	0	0+	9.78 *5*	1st unique		$^{86}_{37}Rb_{49}$	18.642 d *18*	0.0	2-	ec 0.0052 *5* %	518.67 *20*	$^{86}_{36}Kr_{50}$
1326			(10900)		3.23E3 *20*	(1/2-)	≈ 3.3			$^{73}_{38}Sr_{35}$	≈ 25 ms	0		ec β+ 100 %	14062 *403*	$^{73}_{37}Rb_{36}$
1327	1900 *1200*	5.1 *16*	(5100)	0.1 *14*	55E2 *23*	(1/2-,3/2-,5/2-)	3.2 *16*			$^{75}_{38}Sr_{37}$	88 ms *3*	0.0	(3/2-)	ec β+ 100 %	10600 *220*	$^{75}_{37}Rb_{38}$
1328	4490 *110*	5.2 *11*	(10456)	0.010 *2*	144	(5/2-)	4.9 *1*	allowed		$^{75}_{38}Sr_{37}$	88 ms *3*	0.0	(3/2-)	ec β+ 100 %	10600 *220*	$^{75}_{37}Rb_{38}$
1329	4560 *110*	**89.4 *14***	(10600)	0.169 *12*	0	3/2(-)	3.7 *1*	allowed		$^{75}_{38}Sr_{37}$	88 ms *3*	0.0	(3/2-)	ec β+ 100 %	10600 *220*	$^{75}_{37}Rb_{38}$
1330	1732 *144*	< 11	(4815.0)	< 0.3	1275 *1* ?	(1+)	> 4.8	allowed		$^{76}_{38}Sr_{38}$	7.89 s *7*	0.0	0+	ec β+ 100 %	6231 *34*	$^{76}_{37}Rb_{39}$
1331	1872 *145*	< 25	(5107.09)	< 1	982.87 *14*	(1+)	> 4.5	allowed		$^{76}_{38}Sr_{38}$	7.89 s *7*	0.0	0+	ec β+ 100 %	6231 *34*	$^{76}_{37}Rb_{39}$
1332	2097 *145*	< 4.5	(5573.96)	< 0.1	516.0 *2* ?	(1+)	> 5.5	allowed		$^{76}_{38}Sr_{38}$	7.89 s *7*	0.0	0+	ec β+ 100 %	6231 *34*	$^{76}_{37}Rb_{39}$
1333	2116 *145*	**< 67**	(5613.15)	< 1	476.81 *14*	(1+)	> 4.3	allowed		$^{76}_{38}Sr_{38}$	7.89 s *7*	0.0	0+	ec β+ 100 %	6231 *34*	$^{76}_{37}Rb_{39}$
1334	2055 *4*	2.4 *6*	(5486)	0.042 *11*	1541.2 *5*		5.7			$^{77}_{38}Sr_{39}$	9.0 s *2*	0.0	5/2(+)	ec β+ 100 %	7027 *8*	$^{77}_{37}Rb_{40}$
1335	2196 *4*	0.6 *3*	(5778)	0.009 *4*	1249 *3* ?		6.5			$^{77}_{38}Sr_{39}$	9.0 s *2*	0.0	5/2(+)	ec β+ 100 %	7027 *8*	$^{77}_{37}Rb_{40}$
1336	2419 *4*	0.7 *4*	(6239)	0.008 *4*	788 *3* ?		6.6			$^{77}_{38}Sr_{39}$	9.0 s *2*	0.0	5/2(+)	ec β+ 100 %	7027 *8*	$^{77}_{37}Rb_{40}$
1337	2653 *4*	8.3 *9*	(6720)	0.073 *8*	307.03 *4*	(7/2+)	5.7	allowed		$^{77}_{38}Sr_{39}$	9.0 s *2*	0.0	5/2(+)	ec β+ 100 %	7027 *8*	$^{77}_{37}Rb_{40}$
1338	2731 *4*	**77 *4***	(6880)	0.62 *3*	146.937 *20*	5/2(+)	4.8	allowed		$^{77}_{38}Sr_{39}$	9.0 s *2*	0.0	5/2(+)	ec β+ 100 %	7027 *8*	$^{77}_{37}Rb_{40}$
1339	2732 *4*	6.3 *6*	(6882)	0.051 *5*	144.83 *3*	5/2-	5.9	1st non-unique		$^{77}_{38}Sr_{39}$	9.0 s *2*	0.0	5/2(+)	ec β+ 100 %	7027 *8*	$^{77}_{37}Rb_{40}$
1340	2802 *4*	< 6	(7027)	< 0.04	0.0 ?	3/2-	> 5.9	1st non-unique		$^{77}_{38}Sr_{39}$	9.0 s *2*	0.0	5/2(+)	ec β+ 100 %	7027 *8*	$^{77}_{37}Rb_{40}$
1341	1665 *4*	≈ *7*	(4674)	≈ 0.2	651.75 *13*	1/2-,3/2-	≈ 6.1			$^{79}_{38}Sr_{41}$	2.25 min *10*	0.0	3/2(-)	ec β+ 100 %	5323 *8*	$^{79}_{37}Rb_{42}$
1342	1760 *4*	≈ 9	(4873)	≈ 0.2	452.8 *1*	1/2-,3/2-	≈ 6.1			$^{79}_{38}Sr_{41}$	2.25 min *10*	0.0	3/2(-)	ec β+ 100 %	5323 *8*	$^{79}_{37}Rb_{42}$
1343	1803 *4*	≈ 11	(4963)	≈ 0.28	363.42 *7*	(5/2-)	≈ 6.0	allowed		$^{79}_{38}Sr_{41}$	2.25 min *10*	0.0	3/2(-)	ec β+ 100 %	5323 *8*	$^{79}_{37}Rb_{42}$
1344	1806 *4*	≈ 5	(4969)	≈ 0.1	357.17 *8*	(1/2,3/2,5/2)	≈ 6.4			$^{79}_{38}Sr_{41}$	2.25 min *10*	0.0	3/2(-)	ec β+ 100 %	5323 *8*	$^{79}_{37}Rb_{42}$
1345	1840 *4*	≈ 5	(5041)	≈ 0.1	285.33 *7*	1/2-,3/2-	≈ 6.4			$^{79}_{38}Sr_{41}$	2.25 min *10*	0.0	3/2(-)	ec β+ 100 %	5323 *8*	$^{79}_{37}Rb_{42}$
1346	1894 *4*	≈ 3	(5152)	≈ 0.07	174.28 *8*	(5/2-)	≈ 6.7	allowed		$^{79}_{38}Sr_{41}$	2.25 min *10*	0.0	3/2(-)	ec β+ 100 %	5323 *8*	$^{79}_{37}Rb_{42}$
1347	1908 *4*	≈ 16	(5182)	≈ 0.35	144.41 *5*	3/2-	≈ 6.0	allowed		$^{79}_{38}Sr_{41}$	2.25 min *10*	0.0	3/2(-)	ec β+ 100 %	5323 *8*	$^{79}_{37}Rb_{42}$
1348	1959 *4*	**≈ 23**	(5287)	≈ 0.46	39.41 *5*	(3/2-)	≈ 5.8	allowed		$^{79}_{38}Sr_{41}$	2.25 min *10*	0.0	3/2(-)	ec β+ 100 %	5323 *8*	$^{79}_{37}Rb_{42}$
1349	1978 *4*	≈ 21	(5326)	≈ 0.41	0.0	5/2+	≈ 5.9	1st non-unique		$^{79}_{38}Sr_{41}$	2.25 min *10*	0.0	3/2(-)	ec β+ 100 %	5323 *8*	$^{79}_{37}Rb_{42}$
1350	116 *4*	0.14 *3*	(1276)	42 *5*	589.0 *4*	1+	4.32 *6*	allowed		$^{80}_{38}Sr_{42}$	106.3 min *15*	0.0	0+	ec β+ 100 %	1864 *4*	$^{80}_{37}Rb_{43}$
1351	131 *4*	0.070 *13*	(1311)	12.0 *13*	553.5 *4*	1+	4.89 *5*	allowed		$^{80}_{38}Sr_{42}$	106.3 min *15*	0.0	0+	ec β+ 100 %	1864 *4*	$^{80}_{37}Rb_{43}$
1352	266 *4*	0.27 *5*	(1629)	2.8 *5*	236.1 *8* ?		5.70 *7*			$^{80}_{38}Sr_{42}$	106.3 min *15*	0.0	0+	ec β+ 100 %	1864 *4*	$^{80}_{37}Rb_{43}$
1353	293 *4*	0.32 *15*	(1690)	2.4 *11*	174.9 *4*	(2-)	5.81 *21*	1st unique		$^{80}_{38}Sr_{42}$	106.3 min *15*	0.0	0+	ec β+ 100 %	1864 *4*	$^{80}_{37}Rb_{43}$
1354	368 *4*	**9.2 *16***	(1865)	31 *5*	0.0	1+	4.79 *8*	allowed		$^{80}_{38}Sr_{42}$	106.3 min *15*	0.0	0+	ec β+ 100 %	1864 *4*	$^{80}_{37}Rb_{43}$
1355	323 *4*	0.029 *5*	(1762)	0.15 *3*	2165.4 *4*	(1/2+)	6.37 *8*	1st non-unique		$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1356	462 *4*	0.098 *16*	(2079)	0.15 *2*	1848.15 *18*	1/2(+),3/2	6.51 *7*			$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1357	481 *4*	0.13 *2*	(2123)	0.17 *3*	1804.35 *13*	1/2,3/2	6.47 *8*			$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1358	593 *4*	2.0 *2*	(2373)	1.4 *2*	1553.67 *4*	1/2-,3/2-	5.66 *6*			$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1359	611 *4*	0.21 *3*	(2414)	0.13 *2*	1513.10 *12*	1/2,3/2	6.70 *7*			$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1360	670 *4*	3.4 *4*	(2545)	1.6 *2*	1381.89 *3*	(3/2)-	5.66 *6*	allowed		$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1361	733 *4*	0.14 *4*	(2683)	0.051 *16*	1243.63 *13*	1/2(+),3/2	7.21 *14*			$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1362	744 *4*	≥ 0.13	(2708)	≥ 0.046	1218.9 *5*	1/2(+),3/2	≤ 7.3			$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1363	816 *4*	≤ 0.25	(2866)	≤ 0.066	1061.42 *7* ?	1/2+	≥ 7.2	1st non-unique		$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1364	880 *4*	0.31 *6*	(3004)	0.066 *12*	923.02 *8*	1/2(-),3/2	7.20 *8*			$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1365	886 *4*	7.9 *10*	(3018)	1.6 *2*	909.089 *19*	(3/2)-	5.81 *6*	allowed		$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1366	977 *4*	≤ 2.3	(3215)	≤ 0.34	711.93 *3*	(1/2-,3/2,5/2+)	≥ 6.5			$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1367	982 *4*	0.34 *9*	(3225)	0.051 *13*	702.16 *4*	1/2(-),3/2,5/2(+)	7.37 *12*			$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1368	1037 *4*	0.67 *10*	(3296)	0.25 *4*	630.59 *6*	(5/2+)	8.31 *7*	1st unique		$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1369	1041 *4*	7.5 *10*	(3352)	0.96 *12*	574.729 *23*	(1/2)-	6.13 *6*	allowed		$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1370	1082 *4*	≤ 0.32	(3440)	≤ 0.037	486.69 *5* ?	(5/2-)	≥ 7.6	2nd non-unique		$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1371	1093 *4*	0.43 *8*	(3464)	0.048 *9*	463.00 *5*	1/2+,3/2,5/2+	7.46 *9*			$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1372	1102 *4*	16.0 *20*	3460 *90*	1.72 *21*	443.387 *19*	1/2(-),3/2(-)	5.91 *6*			$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1373	1169 *4*	**28 *5***	3706 *30*	2.5 *4*	301.240 *16*	(3/2)-	5.78 *8*	allowed		$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1374	1214 *4*	< 0.06	(3682)	< 0.01	245.271 *25* ?	5/2+	> 9.8	1st unique		$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1375	1222 *4*	6.5 *11*	(3739)	0.52 *9*	188.228 *17*	1/2-,3/2-	6.49 *8*			$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1376	1310 *4*	13 *10*	(3927)	0.9 *7*	0.0 ?	3/2-	6.3 *4*	allowed		$^{81}_{38}Sr_{43}$	22.3 min *4*	0.0	1/2-	ec β+ 100 %	3929 *6*	$^{81}_{37}Rb_{44}$
1377			(178)	100 *0*	0	1+	4.72 *5*	allowed		$^{82}_{38}Sr_{44}$	25.35 d *3*	0	0+	ec 100 %	178 *7*	$^{82}_{37}Rb_{45}$
1378			(138)	0.175 *15*	2134.86 *11*	(5/2+,7/2)	5.95 *6*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1379			(357)	0.050 *5*	1916.41 *19*	(5/2,7/2-)	7.37 *5*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1380			(321)	4.7 *4*	1952.04 *6*	5/2+	5.31 *4*	allowed		$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1381			(83)	0.38 *3*	2189.73 *14*	9/2+	5.11 *9*	allowed		$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1382			(178)	0.025 *3*	2095.0 *6*	(5/2+,7/2,9/2)	7.04 *7*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1383			(183)	0.47 *4*	2089.90 *8*	(5/2+,7/2+)	5.79 *5*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1384			(216)	0.103 *10*	2057.14 *12*	(7/2+,9/2)	6.60 *5*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1385			(236)	0.036 *4*	2036.5 *5*	(5/2,7/2-)	7.14 *6*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1386			(474)	0.53 *7*	1798.57 *8*	(5/2)+	6.61 *6*	allowed		$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1387			(524)	0.39 *4*	1749.33 *8*	(5/2+,7/2)	6.83 *5*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1388			(578)	0.37 *4*	1695.45 *13*	(7/2,9/2)+	6.94 *5*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1389			(624)	0.072 *6*	1649.4 *5*	(3/2-,5/2,7/2-)	7.72 *4*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1390			(658)	0.128 *14*	1614.8 *4*	(5/2+,7/2,9/2+)	7.51 *5*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1391			(667)	0.053 *7*	1606.2 *5*	(3/2,5/2,7/2-)	7.91 *6*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1392			(675)	0.128 *15*	1597.68 *10*	(5/2,7/2-)	7.54 *6*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1393			(898)	0.0053 *13*	1374.6 *6*		9.17 *11*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1394			(907)	0.152 *17*	1366.0 *4*	(7/2+,9/2)	7.72 *5*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1395			(977)	0.197 *17*	1296.07 *10*	(5/2,7/2-)	7.68 *4*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1396			(995)	0.023 *8*	1277.5 *4*	(3/2-,5/2,7/2-)	8.62 *16*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1397			(1030)	1.90 *14*	1242.93 *6*	(5/2)+	6.74 *4*	allowed		$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1398			(1071)	3.10 *23*	1202.07 *7*	(5/2,7/2,9/2)+	6.56 *4*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1399			(1170)	0.010 *3*	1102.90 *19*	9/2-	9.13 *13*	1st non-unique		$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1400			(1176)	0.019 *17*	1096.53 *8*	(7/2+,9/2+)	8.9 *4*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1401	99 *3*	< 5.E-5	(1235)	< 0.03	1037.68 *18* ?	11/2+	> 8.7	2nd non-unique		$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1402	100 *3*	< 5.E-5	(1238)	< 0.03	1035.13 *10* ?	(3/2-,5/2,7/2-)	> 8.7			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1403	110 *3*	0.00015 *3*	(1263)	0.053 *8*	1010.34 *14*	(3/2-,5/2,7/2-)	8.47 *7*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1404	154 *3*	< 0.0008	(1365)	< 0.07	908.00 *11* ?	(3/2,5/2,7/2-)	> 8.4			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1405	177 *3*	0.0007 *4*	(1419)	0.035 *20*	853.98 *11*	(3/2-,5/2,7/2-)	8.8 *3*			$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1406	190 *3*	0.00057 *18*	(1451)	0.021 *7*	821.62 *15*	(3/2)-	8.99 *14*	1st unique		$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1407	198 *3*	0.78 *8*	(1468)	25.1 *21*	804.77 *3*	(7/2)+	5.93 *4*	allowed		$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1408	202 *3*	< 0.00039	(1479)	< 0.012	793.8 *4* ?	13/2+	> 9.3	2nd unique		$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1409	226 *3*	0.0011 *9*	(1536)	0.021 *18*	737.16 *6*	7/2-	9.0 *4*	1st non-unique		$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1410	361 *3*	3.2 *3*	(1849)	11.5 *9*	423.613 *16*	5/2+	6.47 *4*	allowed		$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1411	376 *3*	< 0.044	(1884)	< 0.14	389.40 *7* ?	3/2-	> 8.4	1st unique		$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$

#	<$E_{\beta+}$> [keV]	$I_{\beta+}$(abs) [%]	E_{EC} [keV]	I_{EC}(abs) [%]	Daughter level [keV]	J^{π}	Log*ft*	Transition type	Comments	Parent	$T_{1/2}$	E_x [keV]	Jp order	Decay	Q_{decay}[keV] see the note	Daught
1412	529 *3*	11 *3*	(2231)	12 *4*	42.0780 *20*	9/2+	6.63 *14*	allowed		$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1413	548 *3*	**12.4 *11***	(2273)	11.1 *10*	0.0	5/2-	6.66 *4*	1st non-unique		$^{83}_{38}Sr_{45}$	32.41 h *3*	0.0	7/2+	ec β+ 100 %	2273 *7*	$^{83}_{37}Rb_{46}$
1414			(113)	≤ 0.00003	951.0 *5* ?	5/2+	≥ 11.2	2nd non-unique		$^{85}_{38}Sr_{47}$	64.849 d *7*	0.0	9/2+	ec 100 %	1064.1 *3*	$^{85}_{37}Rb_{48}$
1415			(196)	0.0123 *7*	868.06 *3*	7/2-	9.12 *3*	1st non-unique		$^{85}_{38}Sr_{47}$	64.849 d *7*	0.0	9/2+	ec 100 %	1064.1 *3*	$^{85}_{37}Rb_{48}$
1416			(550)	96 *4*	514.0084 *19*	9/2+	6.16 *2*	allowed		$^{85}_{38}Sr_{47}$	64.849 d *7*	0.0	9/2+	ec 100 %	1064.1 *3*	$^{85}_{37}Rb_{48}$
1417			(783)	≤ 0.0005	280.98 *6* ?	1/2-	≥ 11.8	3rd unique		$^{85}_{38}Sr_{47}$	64.849 d *7*	0.0	9/2+	ec 100 %	1064.1 *3*	$^{85}_{37}Rb_{48}$
1418			(913)	< 0.0012	151.18 *3* ?	3/2-	> 11.6	3rd non-unique		$^{85}_{38}Sr_{47}$	64.849 d *7*	0.0	9/2+	ec 100 %	1064.1 *3*	$^{85}_{37}Rb_{48}$
1419			(1064)	< 8	0.0 ?	5/2-	> 8.5	1st unique		$^{85}_{38}Sr_{47}$	64.849 d *7*	0.0	9/2+	ec 100 %	1064.1 *3*	$^{85}_{37}Rb_{48}$
1420			(383)	0.0004 *3*	919.8 *7*	(3/2,5/2)-	8.1 *4*			$^{85m1}_{38}Sr_{47}$	67.63 min *4*	238.79 *5*	1/2-	ec 13.4 *4* %	1302.89 *3*	$^{85}_{37}Rb_{48}$
1421			(571)	0.0261 *15*	731.803 *14*	3/2-	6.62 *4*	allowed		$^{85m1}_{38}Sr_{47}$	67.63 min *4*	238.79 *5*	1/2-	ec 13.4 *4* %	1302.89 *3*	$^{85}_{37}Rb_{48}$
1422			(1022)	0.15 *5*	281.011 *23*	1/2-	6.38 *13*	allowed		$^{85m1}_{38}Sr_{47}$	67.63 min *4*	238.79 *5*	1/2-	ec 13.4 *4* %	1302.89 *3*	$^{85}_{37}Rb_{48}$
1423			(1152)	13.3 *9*	151.191 *14*	3/2-	4.53 *4*	allowed		$^{85m1}_{38}Sr_{47}$	67.63 min *4*	238.79 *5*	1/2-	ec 13.4 *4* %	1302.89 *3*	$^{85}_{37}Rb_{48}$
1424			(106.3)	0.30 *8*	0.0	3/2-	4.40 *12*	allowed		$^{87m1}_{38}Sr_{49}$	2.815 h *12*	388.5287 *23*	1/2-	ec 0.30 *8* %	106.2547 *8*	$^{87}_{37}Rb_{50}$
1425			(9153.9355637578859484)		1496	6+	> 5.4	allowed		$^{78m}_{39}Y_{39}$	5.8 s *6*	0+X	(5+)	ec β+ 100 %	11001 *298*	$^{78m}_{38}Sr_{40}$
1426			(9866.9305448546057082)		783	4+	> 5.4	allowed		$^{78m}_{39}Y_{39}$	5.8 s *6*	0+X	(5+)	ec β+ 100 %	11001 *298*	$^{78m}_{38}Sr_{40}$
1427			(10649.92503321187299000)		0.0	0+	3.49 *7*	super allowed		$^{78}_{39}Y_{39}$	53 ms *8*	0	(0+)	ec β+ 100 %	11001 *298*	$^{78m}_{38}Sr_{40}$
1428	2224 *220*	< 24.5	(5837)	< 0.5	1283.4 *10*		> 5.1			$^{79}_{39}Y_{40}$	14.8 s *6*	0.0	(5/2+)	ec β+ 100 %	7677 *80*	$^{79}_{38}Sr_{41}$
1429	2686 *220*	< 14	(6790)	< 0.1	329.9 *1*	(7/2+)	> 5.7	allowed		$^{79}_{39}Y_{40}$	14.8 s *6*	0.0	(5/2+)	ec β+ 100 %	7677 *80*	$^{79}_{38}Sr_{41}$
1430	2761 *220*	**< 60.5**	6940 *450*	< 0.5	177.4 *1*	(5/2+)	> 5.1	allowed		$^{79}_{39}Y_{40}$	14.8 s *6*	0.0	(5/2+)	ec β+ 100 %	7677 *80*	$^{79}_{38}Sr_{41}$
1431	2009 *87*	3.6	(5392)	0.08 *0*	3697.6 *3*	(3,4,5)	6.0			$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1432	2164 *87*	0.9	(5713)	0.02 *0*	3377.1 *3*		6.8			$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1433	2196 *87*	0.6	(5778)	0.01 *0*	3311.6 *4*		7.0			$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1434	2209 *87*	2.6	(5806)	0.04 *0*	3283.96 *19*	(3+,4,5)	6.4			$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1435	2267 *88*	0.7	(5927)	0.01 *0*	3163.0 *3*		7.0			$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1436	2301 *88*	0.5	(5995)	0.01 *0*	3094.6 *4*		7.2			$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1437	2318 *88*	1.8	(6032)	0.02 *0*	3058.07 *17*	(3,4,5+)	6.6			$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1438	2367 *88*	1.4	(6132)	0.02 *0*	2958.26 *19*	(3,4,5+)	6.8			$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1439	2426 *88*	1.5	(6253)	0.02 *0*	2836.5 *3*	(4)	6.8	allowed		$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1440	2628 *88*	4.3	(6671)	0.04 *0*	2418.87 *12*	(3,4+)	6.5			$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1441	2686 *88*	1.7	(6789)	0.02 *0*	2301.15 *13*	(3,4+)	6.9			$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1442	2688 *88*	3.1	(6794)	0.03 *0*	2296.27 *16*	(5+)	6.7	1st non-unique		$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1443	2704 *88*	0.81 *8*	(6826)		2492.53 *13* ?	(0,1,2)	6.4			$^{80m1}_{39}Y_{41}$	4.8 s *3*	228.5 *1*	(1-)	ec β+ 19 *2* %	9391.5 *7*	$^{80}_{38}Sr_{42}$
1444	2914 *88*	6.8	(7257)	0.05 *0*	1832.55 *10*	(4+)	6.5	1st non-unique		$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1445	2939 *87*	< 5.4	(7326)	< 0.08	1763.80 *23* ?	6+	> 8.6	1st unique		$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1446	2992 *87*	1.7	(7436)	0.03 *0*	1653.59 *12*	(2+)	9.1	1st unique		$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1447	3042 *88*	5.2	(7519)	0.03 *0*	1571.05 *10*	(3+)	6.7	1st non-unique		$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1448	3239 *87*	5.0	(7948)	0.06 *0*	1142.13 *8*	(2+)	8.9	1st unique		$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1449	3331 *89*	**< 31**	(8109)	< 0.2	980.70 *10* ?	4+	> 6.1	1st non-unique		$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1450	3364 *89*	0.40 *4*	(8176)		1142.39 *9* ?	(2+)	7.2	1st non-unique		$^{80m1}_{39}Y_{41}$	4.8 s *3*	228.5 *1*	(1-)	ec β+ 19 *2* %	9391.5 *7*	$^{80}_{38}Sr_{42}$
1451	3606 *88*	< 22	(8704)	< 0.2	385.89 *8* ?	2+	> 8.5	1st unique		$^{80}_{39}Y_{41}$	30.1 s *5*	0	(4-)	ec β+ 100 %	9163 *7*	$^{80}_{38}Sr_{42}$
1452	3735 *89*	< 12.1	(8933)	< 0.040	385.85 *4* ?	2+	> 5.9	1st non-unique		$^{80m1}_{39}Y_{41}$	4.8 s *3*	228.5 *1*	(1-)	ec β+ 19 *2* %	9391.5 *7*	$^{80}_{38}Sr_{42}$
1453	3925 *89*	**< 15.1**	(9318)	< 0.050	0.0 ?	0+	> 5.9	1st non-unique		$^{80m1}_{39}Y_{41}$	4.8 s *3*	228.5 *1*	(1-)	ec β+ 19 *2* %	9391.5 *7*	$^{80}_{38}Sr_{42}$
1454	1921 *4*	15.0 *7*	4720 *140*	0.366 *17*	611.57 *8*	(7/2+)	5.693 *22*	allowed		$^{81}_{39}Y_{42}$	70.4 s *10*	0	(5/2+)	ec β+ 100 %	5815 *6*	$^{81}_{38}Sr_{43}$
1455	2053 *4*	2.7 *4*	(5483)	0.055 *8*	336.20 *9*	(5/2+)	6.56 *7*	allowed		$^{81}_{39}Y_{42}$	70.4 s *10*	0	(5/2+)	ec β+ 100 %	5815 *6*	$^{81}_{38}Sr_{43}$
1456	2109 *4*	4.5 *20*	(5598)	0.08 *4*	220.81 *7*	(3/2+)	6.39 *19*	allowed		$^{81}_{39}Y_{42}$	70.4 s *10*	0	(5/2+)	ec β+ 100 %	5815 *6*	$^{81}_{38}Sr_{43}$
1457	2117 *4*	32.1 *12*	5358 *74*	0.594 *23*	203.39 *5*	(3/2+,5/2+,7/2+)	5.550 *18*			$^{81}_{39}Y_{42}$	70.4 s *10*	0	(5/2+)	ec β+ 100 %	5815 *6*	$^{81}_{38}Sr_{43}$
1458	2140 *4*	3.2 *4*	(5664)	0.058 *7*	155.20 *10*	(3/2-)	6.57 *6*	1st non-unique		$^{81}_{39}Y_{42}$	70.4 s *10*	0	(5/2+)	ec β+ 100 %	5815 *6*	$^{81}_{38}Sr_{43}$
1459	2157 *4*	4.3 *8*	(5699)	0.076 *14*	119.76 *4*	(1/2+)	6.46 *8*	2nd non-unique		$^{81}_{39}Y_{42}$	70.4 s *10*	0	(5/2+)	ec β+ 100 %	5815 *6*	$^{81}_{38}Sr_{43}$
1460	2172 *4*	**≤ 35**	(5730)	≤ 0.61	89.05 *7*	(7/2+)	≥ 5.6	allowed		$^{81}_{39}Y_{42}$	70.4 s *10*	0	(5/2+)	ec β+ 100 %	5815 *6*	$^{81}_{38}Sr_{43}$
1461	2177 *4*	≤ 35	(5740)	≤ 0.60	79.23 *4*	(5/2)-	≥ 5.6	1st non-unique		$^{81}_{39}Y_{42}$	70.4 s *10*	0	(5/2+)	ec β+ 100 %	5815 *6*	$^{81}_{38}Sr_{43}$
1462	2217 *4*	≤ 2.5	(5819)	≤ 0.091	0 ?	1/2-	≥ 8.5	1st unique		$^{81}_{39}Y_{42}$	70.4 s *10*	0	(5/2+)	ec β+ 100 %	5815 *6*	$^{81}_{38}Sr_{43}$
1463	2342 *4*	0.7 *2*	(6081)	0.010 *3*	1864.5 *5*	2+	6.5 *1*	allowed		$^{82}_{39}Y_{43}$	8.30 s *20*	0	1+	ec β+ 100 %	7946 *8*	$^{82}_{38}Sr_{44}$
1464	2611 *4*	2.1 *6*	(6635)	0.021 *6*	1310.8 *4*	0+	6.2 *1*	allowed		$^{82}_{39}Y_{43}$	8.30 s *20*	0	1+	ec β+ 100 %	7946 *8*	$^{82}_{38}Sr_{44}$
1465	2677 *4*	1.2 *4*	(6770)	0.011 *4*	1175.6 *4*	2+	6.5 *2*	allowed		$^{82}_{39}Y_{43}$	8.30 s *20*	0	1+	ec β+ 100 %	7946 *8*	$^{82}_{38}Sr_{44}$
1466	2971 *4*	21 *6*	(7372)	0.15 *4*	573.5 *3*	2+	5.5 *1*	allowed		$^{82}_{39}Y_{43}$	8.30 s *20*	0	1+	ec β+ 100 %	7946 *8*	$^{82}_{38}Sr_{44}$
1467	3251 *4*	**75 *7***	(7946)	0.41 *4*	0.0	0+	5.1 *1*	allowed		$^{82}_{39}Y_{43}$	8.30 s *20*	0	1+	ec β+ 100 %	7946 *8*	$^{82}_{38}Sr_{44}$
1468	276 *9*	0.018 *7*	(1649)	0.19 *7*	2943.9 *8*	(7/2+,9/2+,11/2+)	5.75 *17*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1469	292 *9*	0.057 *20*	(1688)	0.48 *16*	2905.2 *3*	(7/2+,9/2+,11/2+)	5.37 *15*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1470	525 *9*	0.04 *2*	(2220)	0.04 *2*	2373.2 *6*	(7/2,9/2,11/2+)	6.66 *22*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1471	652 *9*	0.04 *2*	(2503)	0.02 *1*	2089.7 *8*	(7/2,9/2,11/2+)	7.05 *22*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1472	659 *9*	0.04 *2*	(2519)	0.02 *1*	2074.0 *8*	(7/2,9/2)	7.07 *22*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1473	685 *9*	0.09 *3*	(2576)	0.043 *17*	2017.0 *5*	(7/2,9/2)	6.79 *17*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1474	709 *9*	0.12 *4*	(2629)	0.053 *19*	1964.1 *4*	(7/2,9/2)	6.72 *16*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1475	731 *9*	0.35 *11*	(2678)	0.14 *5*	1915.4 *3*	(7/2,9/2-)	6.30 *15*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1476	746 *9*	0.25 *9*	(2710)	0.10 *3*	1882.50 *23*	(7/2,9/2)	6.48 *15*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1477	805 *9*	0.18 *7*	(2840)	0.056 *21*	1752.6 *4*	(7/2,9/2,11/2+)	6.76 *17*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1478	809 *9*	0.05 *2*	(2848)	0.02 *1*	1745.4 *8*	(7/2,9/2,11/2+)	7.30 *19*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1479	873 *9*	0.09 *4*	(2988)	0.021 *10*	1604.8 *4*	(7/2,9/2)	7.23 *20*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1480	922 *9*	0.9 *3*	(3094)	0.19 *7*	1498.83 *15*	(7/2,9/2)	6.31 *16*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1481	952 *9*	0.21 *8*	(3159)	0.039 *14*	1434.12 *19*	(7/2,9/2)	7.01 *16*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1482	981 *9*	12 *4*	(3221)	2.0 *7*	1371.98 *6*	(7/2+)	5.31 *16*	allowed		$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1483	984 *9*	0.21 *8*	(3227)	0.035 *13*	1365.9 *3*	(7/2,9/2)	7.08 *17*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1484	1042 *9*	0.55 *18*	(3354)	0.08 *3*	1239.19 *19*	(7/2,9/2,11/2+)	6.76 *15*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1485	1045 *9*	1.3 *4*	(3360)	0.19 *6*	1233.40 *11*	(7/2,9/2)	6.39 *15*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1486	1088 *9*	0.23 *8*	(3452)	0.029 *10*	1140.71 *25*		7.22 *16*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1487	1108 *9*	0.07 *4*	(3495)	0.008 *4*	1098.06 *11*		7.76 *22*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1488	1111 *9*	0.11 *4*	(3500)	0.013 *5*	1092.8 *3*		7.59 *19*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1489	1171 *9*	1.3 *5*	(3630)	0.13 *5*	962.79 *7*	(7/2,9/2,11/2+)	6.62 *16*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1490	1204 *9*	2.8 *10*	(3699)	0.26 *9*	894.16 *11*	11/2+	6.32 *16*	allowed		$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1491	1226 *9*	0.07 *4*	(3747)	0.006 *3*	846.3 *3*	(7/2,9/2-)	7.94 *22*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1492	1248 *9*	0.7 *3*	(3793)	0.06 *2*	800.40 *10*	11/2+	6.97 *17*	allowed		$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1493	1252 *9*	0.27 *10*	(3802)	0.022 *8*	790.83 *17*		7.42 *17*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1494	1286 *10*	1.3 *5*	(3875)	0.10 *4*	717.53 *8*	(7/2,9/2)	6.78 *16*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1495	1299 *10*	7.4 *14*	(3901)	0.55 *11*	753.60 *22*	(3/2-)	5.65 *10*	allowed		$^{83m1}_{39}Y_{44}$	2.85 min *2*	62.04 *10*	3/2-	ec β+ 60 *5* %	4654.04 *20*	$^{83}_{38}Sr_{45}$
1496	1333 *10*	18 *3*	(3974)	1.20 *22*	680.9 *3*	(3/2-)	5.3 *1*	allowed		$^{83m1}_{39}Y_{44}$	2.85 min *2*	62.04 *10*	3/2-	ec β+ 60 *5* %	4654.04 *20*	$^{83}_{38}Sr_{45}$
1497	1368 *10*	0.31 *11*	(4048)	0.020 *7*	545.4 *3*		7.52 *16*			$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1498	1533 *10*	**32 *8***	(4396)	1.5 *3*	259.10 *10*	1/2-	5.33 *10*	allowed		$^{83m1}_{39}Y_{44}$	2.85 min *2*	62.04 *10*	3/2-	ec β+ 60 *5* %	4654.04 *20*	$^{83}_{38}Sr_{45}$
1499	1610 *10*	**63 *21***	(4557)	2.6 *9*	35.47 *6*	9/2+	5.51 *15*	allowed		$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1500	1627 *10*	10 *30*	(4593)	0.2 *12*	0.0	7/2+	6.6 *24*	allowed		$^{83}_{39}Y_{44}$	7.08 min *8*	0.0	9/2+	ec β+ 100 %	4592 *20*	$^{83}_{38}Sr_{45}$
1501	257.5 *22*	0.30 *3*	(1607)	4.0 *4*	5150.2 *3* ?		5.2			$^{84}_{39}Y_{45}$	39.5 min *8*	0.0	(6+)	ec β+ 100 %	6755 *4*	$^{84}_{38}Sr_{46}$
1502	602.0 *23*	2.8 *3*	(2391)	2.1 *3*	4365.50 *23*	(4+)	5.8	2nd non-unique		$^{84}_{39}Y_{45}$	39.5 min *8*	0.0	(6+)	ec β+ 100 %	6755 *4*	$^{84}_{38}Sr_{46}$
1503	739.1 *23*	8.0 *6*	(2695)	3.2 *3*	4062.10 *20*	4+	5.7	2nd non-unique		$^{84}_{39}Y_{45}$	39.5 min *8*	0.0	(6+)	ec β+ 100 %	6755 *4*	$^{84}_{38}Sr_{46}$
1504	805.0 *23*	2.6 *4*	(2839)	0.80 *12*	3917.64 *22* ?		6.4			$^{84}_{39}Y_{45}$	39.5 min *8*	0.0	(6+)	ec β+ 100 %	6755 *4*	$^{84}_{38}Sr_{46}$
1505	850.1 *23*	0.8 *4*	(2938)	0.21 *10*	3819.12 *20* ?		7.0			$^{84}_{39}Y_{45}$	39.5 min *8*	0.0	(6+)	ec β+ 100 %	6755 *4*	$^{84}_{38}Sr_{46}$
1506	961.3 *24*	2.0 *7*	(3179)	0.37 *12*	3577.8 *3* ?		6.8			$^{84}_{39}Y_{45}$	39.5 min *8*	0.0	(6+)	ec β+ 100 %	6755 *4*	$^{84}_{38}Sr_{46}$
1507	992.1 *24*	7.5 *7*	(3246)	1.2 *1*	3511.25 *22*	(4+,5-)	6.3			$^{84}_{39}Y_{45}$	39.5 min *8*	0.0	(6+)	ec β+ 100 %	6755 *4*	$^{84}_{38}Sr_{46}$

#	<$E_{\beta+}$> [keV]	$I_{\beta+}$(abs) [%]	E_{EC} [keV]	I_{EC}(abs) [%]	Daughter level [keV]	J^{π}	Log*ft*	Transition type	Comments	Parent	$T_{1/2}$	E_x [keV]	Jp order	Decay	Q_{decay}[keV] see the note	Daught
1508	1104.4 *24*	14.5 *7*	(3487)	1.73 *9*	3270.01 *23*	(4,5,6)+	6.2			$^{84}_{39}Y_{45}$	39.5 min *8*	0.0	(6+)	ec β+ 100 %	6755 *4*	$^{84}_{38}Sr_{46}$
1509	1184.9 *24*	2.6 *3*	(3659)	0.26 *3*	3097.8 *5*	6(+)	7.1	allowed		$^{84}_{39}Y_{45}$	39.5 min *8*	0.0	(6+)	ec β+ 100 %	6755 *4*	$^{84}_{38}Sr_{46}$
1510	1321.4 *24*	**28 *4***	(3950)	2.0 *3*	2807.28 *20*	6+	6.2	allowed		$^{84}_{39}Y_{45}$	39.5 min *8*	0.0	(6+)	ec β+ 100 %	6755 *4*	$^{84}_{38}Sr_{46}$
1511	1339.9 *24*	2.4 *3*	(3989)	0.17 *2*	2768.2 *3*	(5-)	7.3	1st non-unique		$^{84}_{39}Y_{45}$	39.5 min *8*	0.0	(6+)	ec β+ 100 %	6755 *4*	$^{84}_{38}Sr_{46}$
1512	1355.7 *24*	5.8 *5*	(4022)	0.38 *3*	2734.7 *3*	(5+)	7.0	allowed		$^{84}_{39}Y_{45}$	39.5 min *8*	0.0	(6+)	ec β+ 100 %	6755 *4*	$^{84}_{38}Sr_{46}$
1513	1420.2 *24*	1.9 *7*	(4159)	0.11 *4*	2598.22 *22* ?	(4+)	7.6	2nd non-unique		$^{84}_{39}Y_{45}$	39.5 min *8*	0.0	(6+)	ec β+ 100 %	6755 *4*	$^{84}_{38}Sr_{46}$
1514	1678.3 *24*	4.7 *8*	(4701)	0.17 *3*	2055.52 *19* ?	(3)+	7.5	2nd unique		$^{84}_{39}Y_{45}$	39.5 min *8*	0.0	(6+)	ec β+ 100 %	6755 *4*	$^{84}_{38}Sr_{46}$
1515	2318 *3*	30 *10*	(6031)	0.42 *14*	793.0 *3*	2+	4.6 *2*	allowed		$^{84m}_{39}Y_{45}$	4.6 s *2*	67.0 *2*	1+	ec β+ 100 %	6822 *4*	$^{84}_{38}Sr_{46}$
1516	2703 *3*	**69 *10***	(6824)	0.64 *9*	0	0+	4.5 *1*	allowed		$^{84m}_{39}Y_{45}$	4.6 s *2*	67.0 *2*	1+	ec β+ 100 %	6822 *4*	$^{84}_{38}Sr_{46}$
1517			(152)	0.017 *5*	3129.1 *5*	(7/2,9/2,11/2+)	6.3 *2*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1518			(192)	0.067 *11*	3088.6 *4*	(7/2,9/2,11/2+)	5.9 *1*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1519			(205)	0.038 *5*	3075.3 *4*	(7/2,9/2-)	6.2 *1*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1520			(218)	0.025 *4*	3063.2 *4*	(7/2,9/2,11/2)	6.4 *1*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1521			(250)	0.063 *8*	3031.2 *3*	(7/2,9/2-)	6.2 *1*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1522			(263)	0.036 *17*	3018.1 *5*	(7/2,9/2,11/2+)	6.5 *2*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1523			(290)	0.048 *6*	2990.7 *3*	(7/2,9/2-)	6.4 *1*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1524			(301)	0.133 *14*	2980.27 *24*	(7/2,9/2)	6.0 *1*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1525			(306)	0.163 *19*	2975.25 *20*	(7/2,9/2-)	5.9 *1*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1526			(466)	0.146 *15*	2814.4 *3*	(7/2,9/2,11/2+)	6.37 *6*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1527			(471)	0.213 *23*	2810.03 *23*	(7/2,9/2+)	6.21 *6*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1528			(499)	0.69 *6*	2782.03 *15*	(7/2+,9/2+)	5.75 *6*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1529			(513)	0.084 *12*	2768.2 *3*	(7/2,9/2,11/2+)	6.7 *1*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1530			(563)	0.037 *5*	2717.6 *4*	(7/2,9/2,11/2+)	7.1 *1*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1531			(639)	0.81 *7*	2642.21 *17*	(7/2,9/2-)	5.90 *5*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1532			(810)	0.049 *6*	2471.0 *3*	(7/2,9/2,11/2+)	7.33 *6*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1533			(929)	5.0 *4*	2351.73 *9*	(7/2)+	5.44 *4*	allowed		$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1534			(1109)	7.8 *6*	2172.02 *10*	(7/2)+	5.41 *4*	allowed		$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1535			(1115)	1.33 *11*	2165.83 *12*	(7/2+,9/2+)	6.18 *4*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1536			(1195)	0.67 *6*	2086.19 *14*	(7/2+,9/2,11/2+)	6.54 *5*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1537	65 *9*	0.0023 *18*	(1157)	11.7 *10*	2123.78 *9*	(7/2)+	5.27 *5*	allowed		$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1538	98 *8*	0.00016 *7*	(1234)	0.115 *19*	2046.61 *24*	(9/2+)	7.3 *1*	allowed		$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1539	126 *8*	0.00036 *14*	(1299)	0.086 *20*	1982.1 *4*	(7/2+,9/2+)	7.5 *1*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1540	152 *8*	0.0030 *8*	(1361)	0.32 *4*	1919.74 *20*	(7/2,9/2,11/2+)	6.98 *6*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1541	206 *8*	0.0015 *8*	(1487)	0.048 *23*	1793.68 *19*	(5/2-,7/2,9/2+)	7.9 *2*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1542	246 *8*	0.005 *3*	(1580)	0.08 *5*	1700.98 *22*	(5/2-,7/2,9/2-)	7.7 *3*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1543	264 *8*	0.013 *3*	(1623)	0.16 *3*	1657.6 *4*	11/2+	7.4 *1*	allowed		$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1544	277 *8*	0.024 *5*	(1654)	0.25 *5*	1627.12 *13*	(9/2)+	7.3 *1*	allowed		$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1545	294 *8*	0.030 *6*	(1692)	0.25 *4*	1588.64 *13*	(7/2,9/2+)	7.3 *1*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1546	298 *8*	0.041 *12*	(1702)	0.33 *9*	1559.4 *5*	(1/2,3/2)	6.9 *1*			$^{85}_{39}Y_{46}$	2.68 h *5*	0.0	(1/2)-	ec β+ 100 %	3261 *19*	$^{85}_{38}Sr_{47}$
1547	308 *8*	< 0.030	(1725)	< 0.21	1555.36 *11* ?	(5/2+,7/2)	> 7.4			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1548	317 *8*	0.032 *6*	(1744)	0.21 *3*	1516.9 *5*	(1/2,3/2)	7.1 *1*			$^{85}_{39}Y_{46}$	2.68 h *5*	0.0	(1/2)-	ec β+ 100 %	3261 *19*	$^{85}_{38}Sr_{47}$
1549	353 *8*	0.011 *3*	(1828)	0.048 *15*	1453.0 *3*	(5/2-,7/2,9/2-)	8.1 *2*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1550	373 *8*	0.046 *9*	(1876)	0.16 *3*	1405.17 *18*	(5/2-,7/2-)	7.6 *1*			$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1551	436 *8*	0.41 *5*	(2019)	0.89 *10*	1261.99 *11*	9/2+	6.88 *6*	allowed		$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1552	454 *8*	0.60 *6*	(2060)	1.12 *11*	1220.75 *13*	(11/2)+	6.79 *5*	allowed		$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1553	476 *8*	3.8 *4*	(2108)	6.2 *6*	1152.67 *22*	3/2-	5.82 *5*	allowed		$^{85}_{39}Y_{46}$	2.68 h *5*	0.0	(1/2)-	ec β+ 100 %	3261 *19*	$^{85}_{38}Sr_{47}$
1554	606 *9*	0.038 *20*	(2344)	0.11 *6*	936.83 *12*	5/2-	9.2 *3*	1st unique		$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1555	659 *9*	**38 *3***	(2518)	21 *2*	743.20 *22*	3/2-	5.43 *5*	allowed		$^{85}_{39}Y_{46}$	2.68 h *5*	0.0	(1/2)-	ec β+ 100 %	3261 *19*	$^{85}_{38}Sr_{47}$
1556	674 *9*	0.04 *3*	(2495)	0.08 *7*	785.52 *13*	(5/2-)	9.5 *4*	1st unique		$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1557	889 *9*	24 *6*	(3022)	5.6 *13*	238.77 *18*	1/2-	6.2 *1*	allowed		$^{85}_{39}Y_{46}$	2.68 h *5*	0.0	(1/2)-	ec β+ 100 %	3261 *19*	$^{85}_{38}Sr_{47}$
1558	901 *9*	4.8 *15*	(3049)	1.0 *3*	231.80 *6*	7/2+	7.2 *2*	allowed		$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1559	1008 *9*	**52 *3***	(3281)	8.1 *6*	0.0	9/2+	6.34 *4*	allowed		$^{85m}_{39}Y_{46}$	4.86 h *20*	19.68 *17*	(9/2)+	ec β+ 100 %	3280.68 *19*	$^{85}_{38}Sr_{47}$
1560			(1094)	0.69 *4*	4146.28 *23*	3,4+	6.93 *3*			$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1561			(1034)	0.87 *7*	4206.18 *12*	(3-,4,5-)	6.78 *4*			$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1562			(901)		4339.4 *15* ?					$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1563			(829)	0.184 *21*	4410.7 *5*	3-	7.26 *6*	allowed		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1564			(522)	0.050 *10*	4718.1 *17*	3,4(+)	7.42 *9*			$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1565			(286)	0.05 *5*	4954 *6* ?	3,4(+)	6.9 *5*			$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1566	114 *6*	0.0038 *10*	(1271)	1.38 *7*	3969.01 *14*	3-,4-,5-	6.76 *3*			$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1567	126 *6*	0.0029 *7*	(1297)	0.70 *8*	3942.64 *19*	3-	7.08 *5*	allowed		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1568	133 *6*	0.035 *7*	(1314)	6.65 *18*	3926.10 *10*	(4)+	6.109 *16*	1st non-unique		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1569	156 *6*	0.0035 *6*	(1368)	0.335 *24*	3871.6 *4*	3-	7.44 *4*	allowed		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1570	173 *6*	0.22 *4*	(1409)	14.2 *12*	3831.17 *13*	(3,4)-	5.84 *4*			$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1571	197 *6*	0.011 *2*	(1465)	0.41 *5*	3775.04 *19* ?	(4,5)+	7.42 *6*			$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1572	201 *6*	0.26 *3*	(1474)	9.03 *24*	3765.81 *10*	3-,4-,5-	6.077 *15*			$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1573	235 *6*	0.057 *7*	(1553)	1.10 *8*	3686.77 *20*	3-	7.04 *4*	allowed		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1574	252 *6*	0.31 *3*	(1595)	4.48 *15*	3645.05 *10*	(3-)	6.450 *18*	allowed		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1575	375 *6*	0.18 *2*	(1878)	0.64 *5*	3362.17 *12*	4+	7.44 *4*	1st non-unique		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1576	394 *6*	1.1 *2*	(1922)	3.5 *5*	3317.74 *10*	(5)-	6.73 *7*	allowed		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1577	406 *6*	0.043 *16*	(1949)	0.12 *4*	3291.33 *16* ?	6-	8.21 *17*	2nd non-unique		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1578	452 *6*	1.9 *4*	(2055)	3.7 *8*	3185.34 *9*	(3)-	6.76 *10*	allowed		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1579	509 *6*	1.33 *11*	(2184)	1.71 *14*	3055.90 *11*	5-	7.14 *4*	allowed		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1580	535 *6*	**11.9 *5***	(2243)	12.9 *5*	2997.47 *10*	3-	6.288 *21*	allowed		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1581	589 *6*	0.69 *12*	(2362)	0.55 *9*	2878.38 *9*	(4)+	7.70 *8*	1st non-unique		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1582	629 *6*	0.05 *3*	(2451)	0.04 *2*	2788.5 *4* ?	2+	8.9 *3*	1st unique		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1583	652 *6*	**0.44 *3***	(2503)	0.25 *2*	2955.5 *5*	8+	6.82 *3*	allowed		$^{86m}_{39}Y_{47}$	47.4 min *4*	218.21 *9*	(8+)	ec β+ 0.69 *4* %	5458.21 *14*	$^{86}_{38}Sr_{48}$
1584	681 *6*	5.6 *5*	(2567)	2.8 *2*	2672.98 *10*	5-	7.06 *4*	allowed		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1585	695 *6*	0.05 *3*	(2598)	0.02 *2*	2642.27 *23* ?	2+	9.2 *4*	1st unique		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1586	768 *6*	1.7 *10*	(2758)	0.6 *3*	2482.02 *9*	3-	7.8 *3*	allowed		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1587	883 *7*	3.6 *9*	(3010)	0.83 *21*	2229.89 *9*	4+	7.74 *11*	1st non-unique		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1588	1078 *7*	0.9 *9*	(3386)	0.4 *4*	1854.26 *8*	2+	9.8 *5*	1st unique		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1589	1437 *7*	2.0 *11*	(4163)	0.29 *16*	1076.76 *8*	2+	10.3 *3*	1st unique		$^{86}_{39}Y_{47}$	14.74 h *2*	0.0	4-	ec β+ 100 %	5240 *14*	$^{86}_{38}Sr_{48}$
1590			(988.4)	93.4 *4*	873.338 *6*	3/2-	5.444 *4*	allowed		$^{87}_{39}Y_{48}$	79.8 h *3*	0.0	1/2-	ec β+ 100 %	1861.7 *11*	$^{87}_{38}Sr_{49}$
1591	200.4 *5*	**0.18 *2***	(1473.2)	6.4 *4*	388.5276 *23*	1/2-	6.96 *5*	allowed		$^{87}_{39}Y_{48}$	79.8 h *3*	0.0	1/2-	ec β+ 100 %	1861.7 *11*	$^{87}_{38}Sr_{49}$
1592	535.1 *7*	**0.75 *5***	(2242.5)	0.82 *6*	0.0	9/2+	7.44 *3*	allowed		$^{87m1}_{39}Y_{48}$	13.37 h *3*	380.82 *7*	9/2+	ec β+ 1.57 *11* %	2242.52 *11*	$^{87}_{38}Sr_{49}$
1593			(888.5)	94.4 *3*	2734.130 *12*	3-	6.8517 *21*	allowed		$^{88}_{39}Y_{49}$	106.626 d *21*	0.0	4-	ec β+ 100 %	3622.6 *15*	$^{88}_{38}Sr_{50}$
1594			(404.0)	0.028 *6*	3218.6 *9*	2+	9.45 *10*	1st unique		$^{88}_{39}Y_{49}$	106.626 d *21*	0.0	4-	ec β+ 100 %	3622.6 *15*	$^{88}_{38}Sr_{50}$
1595			(37.9)	0.066 *13*	3584.7 *8*	5-	6.89 *11*	allowed		$^{88}_{39}Y_{49}$	106.626 d *21*	0.0	4-	ec β+ 100 %	3622.6 *15*	$^{88}_{38}Sr_{50}$
1596	359.5 *7*	**0.21 *2***	(1786.5)	5.3 *4*	1836.083 *12*	2+	9.80 *4*	1st unique		$^{88}_{39}Y_{49}$	106.626 d *21*	0.0	4-	ec β+ 100 %	3622.6 *15*	$^{88}_{38}Sr_{50}$
1597	1137 *9*	0.04 *4*	(3556)	0.004 *4*	2738.1 *6*		7.1 *5*			$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1598	1362 *10*	0.22 *5*	(4034)	0.016 *3*	2260.0 *4*		6.64 *10*			$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1599	1420 *10*	0.87 *8*	(4157)	0.056 *6*	2136.7 *3*	(3/2)	6.1 *1*	allowed		$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1600	1445 *10*	1.0 *1*	(4211)	0.064 *6*	2083.0 *3*	(3/2-)	6.1 *1*	allowed		$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1601	1505 *10*	0.072 *16*	(4338)	0.0039 *9*	1955.9 *4*		7.32 *10*			$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1602	1842 *10*	0.94 *10*	(5044)	0.029 *3*	1249.7 *3*	(3/2-)	6.6 *1*	allowed		$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1603	2019 *10*	0.17 *3*	(5412)	0.0039 *7*	882.4 *4*		7.5 *1*			$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$

#	<$E_{\beta+}$> [keV]	$I_{\beta+}$(abs) [%]	E_{EC} [keV]	I_{EC}(abs) [%]	Daughter level [keV]	J^{π}	Log*ft*	Transition type	Comments	Parent	$T_{1/2}$	E_x [keV]	Jp order	Decay	Q_{decay}[keV] see the note	Daught
1604	2032 *10*	4.6 *4*	(5438)	0.11 *1*	855.5 *3*	(3/2)	6.1 *1*	allowed		$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1605	2096 *10*	0.51 *11*	(5572)	0.011 *2*	722.2 *3*	(3/2-,5/2)	7.10 *10*			$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1606	2134 *10*	1.7 *4*	(5652)	0.034 *8*	642.4 *3*	(3/2,5/2-)	6.62 *11*			$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1607	2171 *10*	0.08 *5*	(5724)	0.003 *2*	570.4 *3*	(3/2+,5/2)	9.7 *3*			$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1608	2171 *10*	1.8 *2*	(5728)	0.034 *4*	565.5 *3*	(1/2-,3/2,5/2-)	6.6 *1*			$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1609	2172 *10*	0.98 *10*	(5729)	0.019 *2*	564.6 *3*	(1/2-,3/2,5/2-)	6.9 *1*			$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1610	2185 *10*	3.4 *7*	(5758)	0.065 *13*	536.40 *24*	(7/2-)	6.4 *1*	2nd unique		$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1611	2234 *10*	0.60 *12*	(5857)	0.011 *2*	436.8 *3*	(5/2)	7.2 *1*	2nd non-unique		$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1612	2241 *10*	10.3 *9*	(5872)	0.181 *16*	421.80 *24*	(3/2-)	5.9 *1*	allowed		$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1613	2284 *10*	0.58 *16*	(5962)	0.022 *6*	331.60 *25*	(5/2+)	8.99 *13*	1st unique		$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1614	2364 *10*	1.5 *13*	(6127)	0.022 *19*	167.03 *24*	5/2-	6.9 *4*	2nd non-unique		$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1615	2375 *10*	0.30 *8*	(6149)	0.0044 *12*	144.88 *24*	7/2+	7.58 *12*	3rd non-unique		$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1616	2388 *10*	8.2 *18*	(6176)	0.12 *3*	117.58 *24*	(1/2-)	6.14 *10*	allowed		$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1617	2396 *10*	1.6 *5*	(6197)	0.053 *16*	97.1 *3*	5/2+	8.67 *13*	1st unique		$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1618	2415 *10*	**59 *6***	(6232)	0.84 *9*	62.02 *24*	3/2-	5.3 *1*	allowed		$^{83}_{40}Zr_{43}$	42 s *2*	0.0	(1/2-)	ec β+ 100 %	6294 *20*	$^{83}_{39}Y_{44}$
1619	432 *9*	0.11 *2*	(2008)	0.27 *4*	2660.3 *5*	(5/2+,7/2,9/2)	5.86 *7*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1620	465 *9*	0.14 *2*	(2082)	0.26 *4*	2586.2 *5*	(7/2+,9/2)	5.90 *7*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1621	535 *9*	0.66 *7*	(2239)	0.82 *9*	2429.3 *4*	(7/2+,9/2+)	5.48 *5*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1622	543 *9*	0.29 *3*	(2257)	0.35 *3*	2411.3 *7*	(5/2,7/2,9/2)	5.86 *5*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1623	570 *9*	0.90 *8*	(2318)	0.90 *8*	2349.6 *4*	(7/2+,9/2+)	5.47 *4*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1624	595 *9*	0.12 *4*	(2374)	0.10 *3*	2293.9 *4*	(5/2,7/2,9/2)	6.4 *2*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1625	635 *9*	3.2 *2*	(2464)	2.2 *1*	2204.1 *3*	(5/2+)	5.12 *3*	allowed		$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1626	749 *9*	0.17 *4*	(2714)	0.072 *15*	1954.1 *5*	(5/2+,7/2,9/2+)	6.7 *1*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1627	776 *9*	0.20 *4*	(2775)	0.078 *17*	1892.9 *5*	(7/2+,9/2)	6.7 *1*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1628	808 *9*	0.12 *10*	(2844)	0.04 *3*	1824.3 *5* ?		7.0 *4*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1629	832 *9*	0.06 *4*	(2896)	0.02 *1*	1772.1 *5*	7/2+,9/2+	7.3 *3*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1630	854 *9*	0.22 *9*	(2944)	0.06 *3*	1724.1 *4*	5/2+	6.8 *2*	allowed		$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1631	862 *9*	0.31 *5*	(2962)	0.087 *13*	1706.3 *6*	(5/2+,7/2,9/2+)	6.7 *1*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1632	898 *9*	0.38 *6*	(3041)	0.095 *16*	1627.3 *4*	(5/2+,7/2,9/2+)	6.7 *1*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1633	950 *9*	0.36 *9*	(3154)	0.076 *19*	1514.0 *4*	(5/2+,7/2,9/2)	6.8 *1*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1634	993 *9*	0.19 *4*	(3245)	0.034 *8*	1422.5 *5*		7.2 *1*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1635	1006 *9*	0.20 *9*	(3275)	0.036 *15*	1393.0 *4*	(5/2,7/2,9/2+)	7.2 *2*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1636	1045 *9*	0.69 *10*	(3357)	0.11 *2*	1310.7 *4*	(5/2+,7/2,9/2+)	6.71 *7*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1637	1062 *9*	0.83 *19*	(3394)	0.13 *3*	1274.0 *4*	(5/2,7/2,9/2+)	6.7 *1*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1638	1088 *9*	4.8 *4*	(3450)	0.68 *5*	1218.0 *4*	(5/2+,7/2,9/2+)	5.94 *4*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1639	1106 *9*	< 0.05	(3488)	< 0.007	1179.5 *4* ?	(11/2+)	> 7.9	2nd non-unique		$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1640	1113 *9*	0.04 *2*	(3504)	0.005 *2*	1163.7 *7*		8.1 *2*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1641	1124 *9*	0.12 *4*	(3527)	0.016 *6*	1140.6 *4*	(9/2-)	7.6 *2*	1st non-unique		$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1642	1166 *9*	0.07 *4*	(3618)	0.008 *4*	1050.2 *5*		7.9 *2*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1643	1175 *9*	< 0.07	(3638)	< 0.008	1030.2 *5* ?		> 7.9			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1644	1203 *9*	0.19 *8*	(3658)	0.054 *22*	1010.2 *5*	(11/2-)	8.8 *2*	1st unique		$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1645	1237 *9*	0.07 *4*	(3770)	0.007 *4*	898.4 *4*		8.0 *2*			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1646	1242 *9*	0.15 *5*	(3779)	0.014 *4*	889.0 *3*	(7/2-)	7.7 *2*	1st non-unique		$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1647	1286 *10*	< 0.12	(3874)	< 0.010	793.8 *4* ?		> 7.9			$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1648	1375 *9*	0.24 *10*	(4031)	0.044 *19*	636.77 *19*	(3/2)-	9.1 *2*	1st unique		$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1649	1437 *10*	**33.2 *9***	(4194)	2.07 *7*	473.9 *3*	(7/2)+	5.62 *2*	allowed		$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1650	1455 *10*	17.1 *16*	(4232)	1.03 *10*	435.9 *3*	(5/2)+	5.93 *5*	allowed		$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1651	1536 *10*	1.4 *2*	(4402)	0.074 *10*	266.28 *10*	(5/2)-	7.11 *6*	1st non-unique		$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1652	1653 *10*	≈ 24	(4648)	≈ 1.0	19.6 *3*	(9/2)+	≈ 6.0	allowed		$^{85}_{40}Zr_{45}$	7.86 min *4*	0.0	(7/2+)	ec β+ 100 %	4667 *20*	$^{85}_{39}Y_{46}$
1653			(1072)	< 0.16	242.80 *10* ?	2-	> 8.3	1st unique		$^{86}_{40}Zr_{46}$	16.5 h *1*	0.0	0+	ec β+ 100 %	1314 *15*	$^{86}_{39}Y_{47}$
1654			(1043)	95 *8*	271.90 *13*	1+	4.84 *4*	allowed		$^{86}_{40}Zr_{46}$	16.5 h *1*	0.0	0+	ec β+ 100 %	1314 *15*	$^{86}_{39}Y_{47}$
1655			(431)	5.7 *3*	883.90 *13*	1+	5.28 *4*	allowed		$^{86}_{40}Zr_{46}$	16.5 h *1*	0.0	0+	ec β+ 100 %	1314 *15*	$^{86}_{39}Y_{47}$
1656			(1119)	0.17 *4*	2553 *2*	(9/2)+	6.66 *11*	allowed		$^{87}_{40}Zr_{47}$	1.68 h *1*	0.0	9/2+	ec β+ 100 %	3671 *4*	$^{87}_{39}Y_{48}$
1657			(1108)	0.42 *5*	2564 *1*	9/2,11/2+	6.26 *6*			$^{87}_{40}Zr_{47}$	1.68 h *1*	0.0	9/2+	ec β+ 100 %	3671 *4*	$^{87}_{39}Y_{48}$
1658			(1070)	0.34 *7*	2602 *2*	7/2+	6.32 *9*	allowed		$^{87}_{40}Zr_{47}$	1.68 h *1*	0.0	9/2+	ec β+ 100 %	3671 *4*	$^{87}_{39}Y_{48}$
1659			(676)	0.17 *7*	2996 *2*	(7/2,9/2,11/2)	6.21 *18*			$^{87}_{40}Zr_{47}$	1.68 h *1*	0.0	9/2+	ec β+ 100 %	3671 *4*	$^{87}_{39}Y_{48}$
1660			(409)	0.11 *5*	3263 *2*	9/2+,11/2+	5.95 *20*			$^{87}_{40}Zr_{47}$	1.68 h *1*	0.0	9/2+	ec β+ 100 %	3671 *4*	$^{87}_{39}Y_{48}$
1661			(267)	0.14 *3*	3405 *2*	3/2+,5/2+	5.46 *10*			$^{87}_{40}Zr_{47}$	1.68 h *1*	0.0	9/2+	ec β+ 100 %	3671 *4*	$^{87}_{39}Y_{48}$
1662	182.8 *19*	0.0024 *9*	(1431)	0.14 *5*	2241 *1*	(7/2,9/2-)	6.97 *16*			$^{87}_{40}Zr_{47}$	1.68 h *1*	0.0	9/2+	ec β+ 100 %	3671 *4*	$^{87}_{39}Y_{48}$
1663	199.6 *18*	0.0074 *19*	(1470)	0.30 *8*	2202 *1*	7/2+,9/2+	6.65 *12*			$^{87}_{40}Zr_{47}$	1.68 h *1*	0.0	9/2+	ec β+ 100 %	3671 *4*	$^{87}_{39}Y_{48}$
1664	254.9 *20*	0.0016 *8*	(1599)	0.026 *13*	2073 *1*	(7/2+,9/2+)	7.78 *22*			$^{87}_{40}Zr_{47}$	1.68 h *1*	0.0	9/2+	ec β+ 100 %	3671 *4*	$^{87}_{39}Y_{48}$
1665	456.9 *19*	0.869 *22*	(2064)	1.79 *4*	1608 *1*	(7/2+,9/2+)	6.173 *11*			$^{87}_{40}Zr_{47}$	1.68 h *1*	0.0	9/2+	ec β+ 100 %	3671 *4*	$^{87}_{39}Y_{48}$
1666	464.5 *19*	0.24 *2*	(2082)	0.46 *5*	1590 *1*	11/2+	6.77 *5*	allowed		$^{87}_{40}Zr_{47}$	1.68 h *1*	0.0	9/2+	ec β+ 100 %	3671 *4*	$^{87}_{39}Y_{48}$
1667	546.9 *19*	0.13 *5*	(2267)	0.15 *5*	1405 *1*	(7/2+,9/2+,13/2+)	7.33 *16*			$^{87}_{40}Zr_{47}$	1.68 h *1*	0.0	9/2+	ec β+ 100 %	3671 *4*	$^{87}_{39}Y_{48}$
1668	659.9 *20*	0.04 *3*	(2519)	0.02 *2*	1153 *1*	5/2+	8.2 *4*	2nd non-unique		$^{87}_{40}Zr_{47}$	1.68 h *1*	0.0	9/2+	ec β+ 100 %	3671 *4*	$^{87}_{39}Y_{48}$
1669	823.5 *19*	0.13 *5*	(2878)	0.041 *17*	794 *1*	5/2-	9.29 *18*	1st unique		$^{87}_{40}Zr_{47}$	1.68 h *1*	0.0	9/2+	ec β+ 100 %	3671 *4*	$^{87}_{39}Y_{48}$
1670	1013.7 *20*	**80.45 *19***	(3291)	13.87 *14*	380.79 *7*	9/2+	5.692 *5*	allowed		$^{87}_{40}Zr_{47}$	1.68 h *1*	0.0	9/2+	ec β+ 100 %	3671 *4*	$^{87}_{39}Y_{48}$
1671			(276)	100 *0*	392.86 *9*	1+	5.713 *21*	allowed		$^{88}_{40}Zr_{48}$	83.4 d *3*	0.0	0+	ec 100 %	670 *6*	$^{88}_{39}Y_{49}$
1672			(1088)	0.123 *4*	1744.5 *2*	5/2-	9.09 *2*	1st unique		$^{89}_{40}Zr_{49}$	78.41 h *12*	0.0	9/2+	ec β+ 100 %	2833.2 *3*	$^{89}_{39}Y_{50}$
1673			(303)	0.073 *5*	2529.97 *25*	7/2+	7.53 *3*	allowed		$^{89}_{40}Zr_{49}$	78.41 h *12*	0.0	9/2+	ec β+ 100 %	2833.2 *3*	$^{89}_{39}Y_{50}$
1674			(267)	0.106 *5*	2566.47 *25*	11/2+	7.25 *2*	allowed		$^{89}_{40}Zr_{49}$	78.41 h *12*	0.0	9/2+	ec β+ 100 %	2833.2 *3*	$^{89}_{39}Y_{50}$
1675			(211)	0.745 *13*	2622.2 *7*	9/2+	6.18 *2*	allowed		$^{89}_{40}Zr_{49}$	78.41 h *12*	0.0	9/2+	ec β+ 100 %	2833.2 *3*	$^{89}_{39}Y_{50}$
1676	391.0 *11*	**1.36 *19***	(1913)	4.70 *15*	1507.4 *5*	3/2-	4.31 *2*	allowed		$^{89m}_{40}Zr_{49}$	4.161 min *10*	587.82 *10*	1/2-	ec β+ 6.23 *12* %	3421.02 *3*	$^{89}_{39}Y_{50}$
1677	395.5 *11*	**22.74 *24***	(1924)	76.21 *24*	909.15 *15*	9/2+	6.152 *2*	allowed		$^{89}_{40}Zr_{49}$	78.41 h *12*	0.0	9/2+	ec β+ 100 %	2833.2 *3*	$^{89}_{39}Y_{50}$
1678	1074.0 *12*	0.17 *12*	(3421)	0.024 *18*	0	1/2-	7.1 *4*	allowed		$^{89m}_{40}Zr_{49}$	4.161 min *10*	587.82 *10*	1/2-	ec β+ 6.23 *12* %	3421.02 *3*	$^{89}_{39}Y_{50}$

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