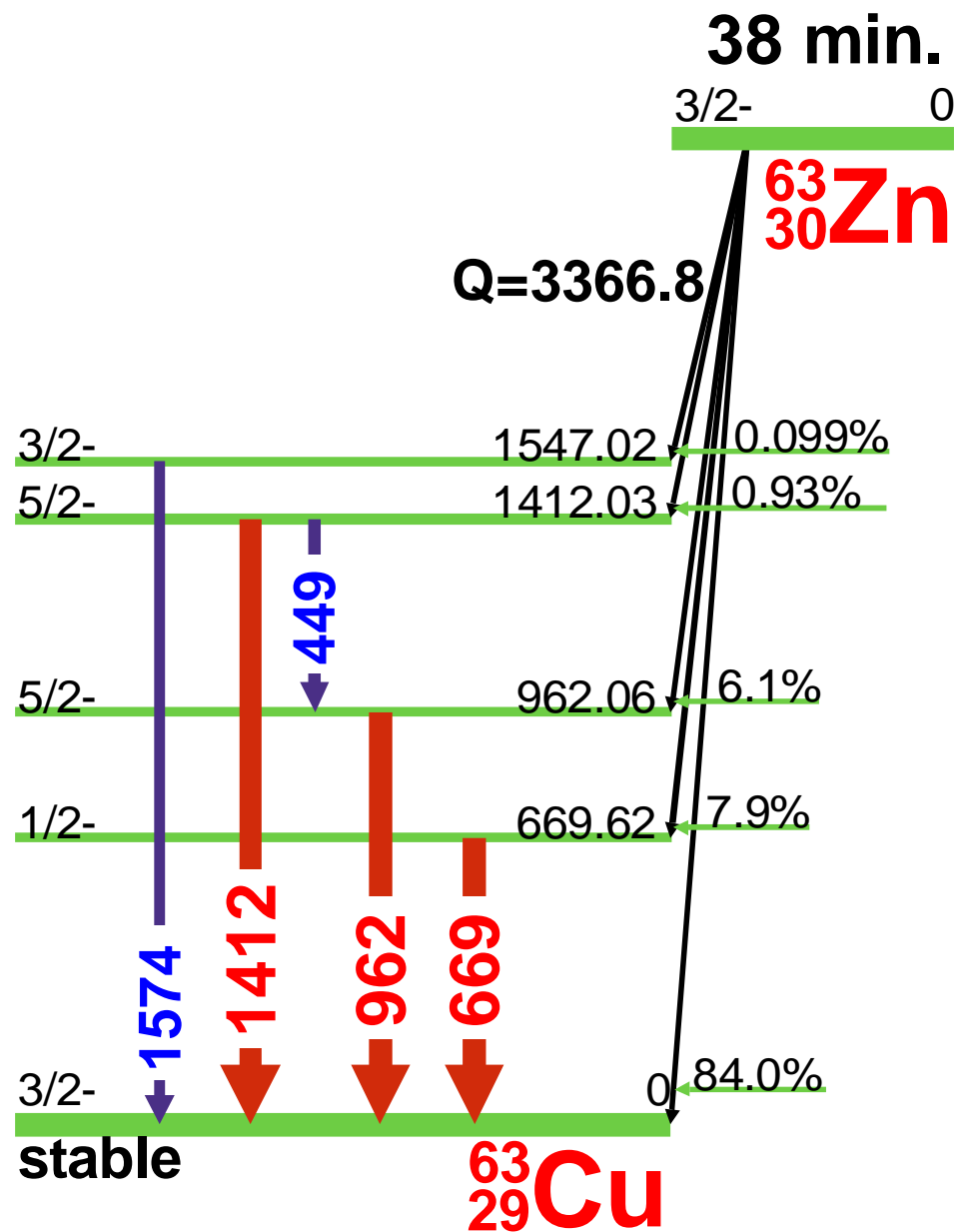


^{63}Zn (38 min.) Decay Scheme

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ^{63}Zn E_γ , σE_γ , I_γ , σI_γ - 1998 ENSDF Data

Half Life: 38.47(5) min.

Detector: 4.55 cm² x 8 mm Ge (Li)Method of Production: $^{64}\text{Zn}(\gamma, n)$

	E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
	244.3	0.5		0.0053	0.0008	4
	365.2	0.4		0.0115	0.0025	4
	443.13	0.20		0.016	0.004	4
	449.93	0.05		0.236	0.018	4
	475.8	0.9		0.006	0.003	4
Ann.	511.006			184	2	1
	515.0	1.0		0.021	0.008	4
	533.8	0.6		0.0049	0.0016	4
	584.82	0.15		0.033	0.004	4
	624.3	0.3		0.014	0.003	4
	669.62	0.05	100	8.2	0.3	1
	675.0	0.6		0.015	0.003	4
	685.6	0.6		0.0041	0.0016	4
	742.25	0.10		0.067	0.009	4
	754.8	0.8		0.0066	0.0025	4
	765.7	0.5		0.0066	0.0025	4
	877.2	0.8		0.0033	0.0016	4
	899.0	0.4		0.0123	0.0025	4
	924.3	0.5		0.0098	0.0020	4
	962.06	0.04	75.0	6.5	0.4	1
	989.6	0.7		0.0039	0.0011	4
	1048.8	0.5		0.0044	0.0012	4
	1123.72	0.07		0.111	0.012	4
	1130.67	0.25		0.0131	0.0025	4
	1149.50	0.16		0.0189	0.0026	4
	1169.6	0.3		0.0077	0.0017	4
	1208.8	0.3		0.0123	0.0025	4
	1233.7	0.5		0.0025	0.0008	4
	1327.03	0.08		0.069	0.005	4
	1341.7	0.6		0.0025	0.0008	4
	1374.47	0.13		0.0344	0.0028	4
	1389.66	0.08		0.043	0.006	4
	1392.55	0.08		0.097	0.015	4

	E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
	1412.08	0.05	10.0	0.75	0.04	1
	1445.8	0.4		0.0025	0.0008	4
	1479.1	0.5		0.0016	0.0008	4
	1547.04	0.06		0.122	0.007	3
	1573.71	0.20		0.0164	0.0017	4
	1667.2	0.6		0.0014	0.0006	4
	1696.6	1.0		0.0020	0.0010	4
	1754.9	0.5		0.0043	0.0010	4
	1827.0	0.5		0.0042	0.0011	4
	1861.3	0.3		0.0139	0.0020	4
	1866.1	0.3		0.0197	0.0026	4
	1927.2	0.7		0.0057	0.0012	4
	2011.4	0.5		0.0107	0.0017	4
	2026.8	0.3		0.056	0.006	4
	2046.4	0.8		0.0037	0.0011	4
	2062.1	0.3		0.034	0.004	4
	2081.4	0.3		0.0148	0.0017	4
	2092.6	0.5		0.0025	0.0008	4
	2110.8	0.5		0.0062	0.0013	4
	2181.8	0.7		0.0013	0.0008	4
	2188.0	0.7		0.0016	0.0008	4
	2219.9	0.7		0.0030	0.0008	4
	2336.5	0.3		0.075	0.006	4
	2497.4	0.4		0.0213	0.0026	4
	2512.0	0.5		0.0098	0.0017	4
	2536.0	0.3		0.066	0.007	4
	2696.6	0.3		0.040	0.004	4
	2716.9	0.4		0.0131	0.0017	4
	2780.3	0.4		0.0156	0.0017	4
	2806.6	0.6		0.0041	0.0008	4
	2857.6	0.8		0.0033	0.0008	4
	2889.4	0.8		0.0025	0.0008	4
	3044.6	0.8		0.0049	0.0008	4
	3100.7	0.8		0.0006	0.0002	4