

Die ersten drei oder vier Buchstaben jeder Textzeile sind eine Identifikation zum Inhalt der Zeile. Die Bezeichnungen sind im Wesentlichen selbst erklärend.

NAME kennzeichnet z.B. den Nuklidnamen,

DEC1 und DEC2 sind die zwei bekannten Zerfallsarten,

QVA1 und QVA2 listet die Q-Werte der Übergänge DEC1 und DEC2,

SPIN gibt Spin und Parity vom Grundzustand des Nuklids,

REF1 bis REF8 sind Referenzen entsprechend der Nomenklatur von „Nuclear Data Sheets“, Brookhaven National Laboratory und Oak Ridge National Laboratory, USA,

PRE –Zeilen enthalten Informationen zu „Precursor“ Nukliden,

COM sind Kommentarzeilen,

SIG enthält Informationen zu Neutronen-Einfangquerschnitten und

DATA kennzeichnet Zeilen mit Informationen zu den X-Ray oder Gamma-Linien.

Zu einem Nuklid sind jeweils bis zu 350 Gamma- und X-Ray-Linien aufgeführt.

Die zurzeit vorhandene Datenbank enthält Dateien zu etwa 3950 Nukliden.

Wir übernehmen keine Gewähr für die Richtigkeit oder Verwendbarkeit der gelisteten Daten.

Wenn Sie unsere Daten zu einzelnen Nukliden für Ihre Arbeit benötigen, dann kontaktieren Sie uns bitte – wir unterstützen Sie gern.

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NAME Ra-226
Z-NS 88-138
HALF 1600. 7
UNIT Y
DEC1 A 100.
DEC2 C-14 2.9e-9 10
QVA1 4870.63 25
QVA2 28199. 4
SPIN 0+
REF1 [96Ak02]
REF2 [95Au01]
REF3 [86Ba01]
REF4 [71Lo01]
REF5 [96Ak01]
REF6 [83O101]
REF7 [83Sc02]
REF8 [91Li01]
PRE1 Fr-226, 49. 1 s, 100. %
PRE2 Ac-226, 29.37 12 h, 17. 3 %
PRE3 Th-230, 7.54e+4 3 y, 100. %
PRE4 member U-238 chain, 100. %
COM1 I(g) normalization: weighted average, abs.I(g) from [6],[7],[8]. - dI(g) of weak
transitions estimated [E].
COM2 Daughter radiation from 13 members of decay chain in equilibrium (!), listed only
for known I(g) > 1.e-5 [E].
SIG1 n,g 11.5 15
LITE 113 22
TEXT E(g) from adopted levels [5], I(g) see [4] and comments.
DATA 9.47 5 (M1) .0005 1 D
DATA 34.81 16 E2 W
DATA 46.539 1 M1 4.31 4 D
DATA 53.227 2 M1+E2 1.05 7 D
DATA 62.5 10 (M1) .0015 1 D
DATA 62.70 5 (E2) .002 2 D
DATA 72.806 1 X KA2 (Pb) .0015 2 XD
DATA 74.816 1 X KA2 (Bi) 6.40 19 XD
DATA 74.970 1 X KA1 (Pb) .0025 4 XD
DATA 76.864 2 X KA2 (Po) .47 2 XD
DATA 77.108 1 X KA1 (Bi) 10.7 3 XD
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DATA	79.291	2 X	KA1 (Po)	.78	4 XD
DATA	81.069	2 X	KA2 (Rn)	.191	5 X
DATA	83.	3	E2	.00042	9 D
DATA	83.787	2 X	KA1 (Rn)	.315	8 X
DATA	84.451	1 X	KB3 (Pb)	.00029	5 XD
DATA	84.940	1 X	KB1 (Pb)	.00056	9 XD
DATA	85.479	4 X	KB5 (Pb)	1.7e-5	3 XD
DATA	86.831	1 X	KB3 (Bi)	1.24	4 XD
DATA	87.320	4 X	KB2 (Pb)	.00021	4 XD
DATA	87.350	1 X	KB1 (Bi)	2.40	7 XD
DATA	87.585	4 X	KB4 (Pb)	4.9e-6	8 XD
DATA	87.903	4 X	KB5 (Bi)	.077	4 XD
DATA	87.910	3 X	K-O (Pb)	4.1e-5	7 XD
DATA	89.256	2 X	KB3 (Po)	.091	5 XD
DATA	89.808	2 X	KB1 (Po)	.174	9 XD
DATA	89.810	4 X	KB2 (Bi)	.93	3 XD
DATA	90.078	4 X	KB4 (Bi)	.022	2 XD
DATA	90.372	5 X	KB5 (Po)	.0057	4 XD
DATA	90.420	3 X	K-O (Bi)	.185	9 XD
DATA	92.340	5 X	KB2 (Po)	.068	4 XD
DATA	92.620	5 X	KB4 (Po)	.0016	1 XD
DATA	92.985	3 X	K-O (Po)	.0139	8 XD
DATA	94.246	2 X	KB3 (Rn)	.0368	10 X
DATA	94.868	2 X	KB1 (Rn)	.0717	20 X
DATA	95.458	5 X	KB5 (Rn)	.00244	12 X
DATA	97.555	5 X	KB2 (Rn)	.0280	8 X
DATA	97.855	5 X	KB4 (Rn)	.00071	5 X
DATA	97.9	14	E2	.0008	4 D
DATA	98.255	5 X	K-O (Rn)	.0060	3 X
DATA	98.390	3 X	K-P (Rn)	.00072	6 X
DATA	107.22	9	#	.015	3 QD
DATA	118.16	5	(M1, E2)	.016	6 QD
DATA	170.07	6	#	.032	6 QD
DATA	186.211	13	E2	3.53	3
DATA	187.10	19	E1	W	
DATA	191.1	10	(M1, E2)	.0007	2 D
DATA	196.17	6	(M1)	.069	10 D
DATA	205.64	3	(M1)	.0115	14 D
DATA	216.47	7	#	.022	5 QD
DATA	221.12	2	M1, E2	.003	1 D
DATA	230.13	3	E1	.002	1 QD
DATA	230.63	15		.002	1 QD
DATA	238.45	2	(M1, E2)	.008	7 QD
DATA	241.997	2	M1 (+E2)	7.20	12 D
DATA	252.80	5	M1	.008	5 D
DATA	258.87	3	M1	.514	10 D
DATA	262.16	12	E2	.0049	5
DATA	265.832	5	E2	4.7e-5	14 D
DATA	268.61	3	E1	.017	3 D
DATA	273.79	5		.13	2 D
DATA	274.80	4	M1+E2	.333	20 D
DATA	280.89	7		.065	9 D
DATA	295.22	2	M1+E2	18.5	3 D
DATA	297.80	12	E2	.017	2 D
DATA	298.705	2	M1, E2	.01	1 QD
DATA	304.06	10	M1, E2 / ?	.026	3 MD
DATA	305.33	4	(E1)	.030	3 D
DATA	314.33	6	(M1, E2)	.075	1 D
DATA	323.80	4	(M1, E2)	.027	4 D
DATA	333.35	4	E1	.067	8 D
DATA	334.73	10		.033	8 MD
DATA	349.01	2	M1	.10	4 D
DATA	351.932	2	M1 (+E2)	35.7	7 D
DATA	351.936	17	M1, E2	.07	1 D
DATA	356.02	6	E2	.007	2 D
DATA	376.10	18		.0045	19 QD
DATA	386.823	18	M1, E2	.280	15 D
DATA	388.94	2	M1	.390	6 D
DATA	394.05	12		.0145	15 D
DATA	395.99	9		.029	5 D
DATA	405.73	3	E2	.166	7 D

DATA	414.45	5	E1	.00030	10
DATA	428.06	4	M1,E2	.006	5 D
DATA	439.34	8	#	.012	3 D
DATA	449.26	15	E1	.00019	6
DATA	453.07	7	M1,E2	.030	4 D
DATA	454.85	3	E1	.297	12 D
DATA	461.15	9	M1	.052	12 D
DATA	461.97	6	(E1)	.224	14 D
DATA	469.756	18	M1,E2	.126	6 D
DATA	474.52	9	M1,E2	.106	8 D
DATA	480.44	2	M1(+E2)	.325	12 D
DATA	485.92	11		.022	4 D
DATA	486.50	7		.003	3 D
DATA	487.07	4	E1	.422	12 D
DATA	487.83	5	E1	.028	9 D
DATA	494.7	3		.012	2 D
DATA	497.4	2		.007	2 D
DATA	501.89	18		.018	2 D
DATA	511.	2	E2	.076	10 D
DATA	511.0	4		.031	10 D
DATA	519.92	7		.016	2 D
DATA	524.46	10		.017	2 D
DATA	528.32	4	(E2)	.004	2 D
DATA	533.67	2	(M1,E2)	.180	7 D
DATA	536.78	5		.066	7 D
DATA	538.41	8		.020	3 D
DATA	542.85	9	M1,E2	.071	12 D
DATA	543.78	4	E1	.066	10 D
DATA	547.39	8		.002	2 D
DATA	572.67	3	E1	.077	5 D
DATA	580.13	5	E1	.355	12 D
DATA	595.32	4	E2	.015	3 D
DATA	600.66	5	E1	.00049	15
DATA	600.67	9		.008	3 D
DATA	609.315	7	E2	45.1	4 D
DATA	615.52	3	E1	.055	9 D
DATA	616.95	3	E1	.025	5 D
DATA	627.2	3		.005	3 QD
DATA	630.81	10		.016	2 MD
DATA	633.13	4	M1,E2	.054	4 D
DATA	635.03	4	M1,E2	.006	2 D
DATA	639.62	5	E2	.030	4 D
DATA	649.18	4	M1,E2	.059	6 D
DATA	651.48	13	(M1,E2)	.001	1 D
DATA	658.69	15		.015	6 D
DATA	660.75	9	M1,E2	.048	8 D
DATA	665.44	2	E1	1.49	3 D
DATA	677.3	2	(E1 or E2)	.005	2 D
DATA	683.20	6	E1	.080	6 D
DATA	688.0	3		.007	2 D
DATA	693.58	15		.006	3 D
DATA	697.88	10	(M1,E2)	.047	13 D
DATA	700.0	2		.016	5 D
DATA	703.06	3	M1	.468	10 D
DATA	704.72	7	E1	.045	8 D
DATA	708.41	10		.016	3 D
DATA	710.73	12		.074	2 D
DATA	719.87	4	E2(+M1)	.380	9 D
DATA	723.01	15		.033	4 D
DATA	733.96	5		.041	3 D
DATA	740.88	2	M1,E2	.040	6 D
DATA	752.85	4	M1,E2	.128	8 D
DATA	765.96	9	#	.075	14 D
DATA	768.357	13	E2+M1	4.85	4 D
DATA	770.10	6		.03	1 D
DATA	785.77	4	E1	.76	9 D
DATA	786.42	7	E1	.31	9 D
DATA	788.64	9	M1	.015	3 D
DATA	799.53	3	E2	.031	2 D
DATA	803.05	3	E2	.00121	4 D
DATA	806.171	20	E2	1.22	2 D

DATA	814.88	4	M1,E2	.038	4	D
DATA	821.18	5	M1	.156	11	D
DATA	826.45	9	M1	.098	14	D
DATA	832.38	4	(E2)	.026	3	D
DATA	836.	2	(E2)	.0011	5	D
DATA	839.00	4	E1	.571	11	D
DATA	840.16	14	(M1,E2)	.009	3	D
DATA	847.17	12		.026	3	D
DATA	873.02	6	(E1 or E2)	.018	4	D
DATA	877.85	5	(M1,E2)	.012	3	D
DATA	904.32	6	E1	.075	18	D
DATA	915.66	5	(M1,E2)	.027	4	D
DATA	917.80	5	E1	.005	3	D
DATA	930.1	2		.026	11	D
DATA	933.91	7		.05	1	D
DATA	934.057	15	M1+E2	3.04	3	D
DATA	934.3	3		.010	3	D
DATA	938.5	2		.013	4	D
DATA	939.08	4	M1,E2	.018	6	D
DATA	943.38	14	(M1,E2)	.017	3	D
DATA	949.4	2	(M1,E2)	.005	2	D
DATA	951.6	2	(E1 or E2)	.006	2	D
DATA	961.83	15		.011	4	D
DATA	964.09	4		.364	11	D
DATA	964.9	2		.010	5	MD
DATA	976.24	9		.016	3	D
DATA	991.63	18	(E1 or E2)	.010	3	D
DATA	1013.7	3		.0082	14	D
DATA	1021.4	2		.014	3	D
DATA	1032.21	6	E1	.062	9	D
DATA	1033.3	2		.023	6	D
DATA	1037.5	3		.0081	12	D
DATA	1045.51	15		.024	3	D
DATA	1051.96	3	M1,E2	.309	8	D
DATA	1067.31	5		.025	9	D
DATA	1070.02	6	E1	.268	10	D
DATA	1103.61	19	M1,E2	.095	14	D
DATA	1104.78	4	M1,E2	.078	4	D
DATA	1118.91	12	(M1,E2)	.04	1	D
DATA	1120.292	14	M1+E2	14.85	10	D
DATA	1130.5	2		.036	4	D
DATA	1133.66	3	E2	.249	7	D
DATA	1155.179	15	M1+E2	1.61	2	D
DATA	1155.4	3		.016	4	D
DATA	1155.6	10		.007	3	D
DATA	1165.	2	E0	--		D
DATA	1167.2	2		.012	2	D
DATA	1172.94	6	(E2)	.045	5	D
DATA	1207.69	4	E1	.446	11	D
DATA	1219.8	10		.0036	9	D
DATA	1226.7	3	(M1,E2) /?	.016	6	MD
DATA	1230.45	15	(E1 or E2)	.008	4	D
DATA	1238.111	15	M1(+E2)	5.81	4	D
DATA	1279.3	2		.012	3	D
DATA	1280.97	2	M1(+E2)	1.42	2	D
DATA	1284.5	3		.017	4	D
DATA	1284.61	12	(M1,E2)	.012	1	D
DATA	1303.73	9		.107	6	D
DATA	1316.92	17		.077	7	D
DATA	1329.89	14	(E1)	.011	2	D
DATA	1341.54	9		.021	3	D
DATA	1350.91	4		.005	2	D
DATA	1352.8	3		.0038	8	D
DATA	1377.670	12	E2	3.96	4	D
DATA	1385.31	3	E1	.775	20	D
DATA	1392.2	2		.009	2	D
DATA	1401.49	4	E2+M1	1.29	3	D
DATA	1407.98	5	E2	2.38	5	D
DATA	1415.484	19	E0	--		D
DATA	1419.8	2	(E1 or E2)	.0050	10	D
DATA	1470.7	3		.0091	14	D

DATA	1479.09	12		.055	8	D
DATA	1509.230	18	M1 (+E2)	2.13	2	D
DATA	1515.9	2		.0068	9	QD
DATA	1538.46	6		.383	18	D
DATA	1543.369	14	E2	.30	3	D
DATA	1583.24	4	M1+E2	.688	12	D
DATA	1594.8	2		.005	3	D
DATA	1594.81	9	M1 (+E2)	.266	12	D
DATA	1598.6	3		.006	3	D
DATA	1599.35	7		.321	16	D
DATA	1636.4	3		.012	2	D
DATA	1638.4	2		.006	3	D
DATA	1657.07	18		.046	5	D
DATA	1661.27	3	E2	1.10	3	D
DATA	1665.8	2		.008	2	D
DATA	1684.02	5	(M1, E2)	.215	5	D
DATA	1711.4	2		.002	1	D
DATA	1716.3	4		.003	2	QD
DATA	1729.604	13	E2	2.90	8	D
DATA	1751.5	4		.004	3	D
DATA	1764.490	14	M1	15.30	12	D
DATA	1813.87	15		.011	1	D
DATA	1819.2	4		.001	1	D
DATA	1838.38	6	E1	.349	20	D
DATA	1847.422	14	E2	2.04	4	D
DATA	1873.13	4	M1, E2	.210	8	D
DATA	1890.28	2	E2	.086	10	D
DATA	1895.88	15		.146	13	D
DATA	1898.9	2		.052	8	D
DATA	1935.6	3		.030	3	D
DATA	1995.33	14	(M1, E2)	.005	3	D
DATA	2010.80	4	E2	.046	2	D
DATA	2017.29	5	E0	--		D
DATA	2021.52	17		.020	2	D
DATA	2052.96	12	(M1, E2)	.068	4	D
DATA	2085.3	2		.0082	5	D
DATA	2089.9	2		.045	5	D
DATA	2109.89	9		.084	3	D
DATA	2118.541	17	M1	1.160	15	D
DATA	2119.26	4		.007	2	D
DATA	2147.77	6	(E1 or E2)	.014	2	D
DATA	2160.6	2		.0018	5	D
DATA	2176.6	2		.0032	5	D
DATA	2192.55	4	E2	.034	4	D
DATA	2204.12	9	M1	4.95	5	D
DATA	2251.8	3		.0055	5	D
DATA	2260.3	2		.0086	5	D
DATA	2266.38	18	(E1 or E2)	.0168	9	D
DATA	2271.0	2		.0013	3	D
DATA	2284.3	2		.0051	3	D
DATA	2287.7	2		.0045	5	D
DATA	2293.33	5	(M1, E2)	.307	7	D
DATA	2310.2	2		.0014	9	D
DATA	2312.5	3		.0088	9	D
DATA	2319.3	3		.0004	2	D
DATA	2325.2	3		.0017	2	D
DATA	2331.3	2		.0215	14	D
DATA	2348.3	9		.0001	1	D
DATA	2353.5	7		.0004	2	D
DATA	2360.8	4		.0016	2	D
DATA	2369.5	2		.0027	5	D
DATA	2376.9	2		.0088	7	D
DATA	2390.7	2		.0016	2	D
DATA	2404.8	3		.00041	14	D
DATA	2423.18	15		.0048	5	D
DATA	2444.6	2		.008	4	D
DATA	2447.68	6	E1	1.540	13	D
DATA	2482.45	4	(E2)	.0011	2	D
DATA	2505.19	15	(E1 or E2)	.0055	5	D
DATA	2551.1	6		.00032	9	D
DATA	2553.0	6		.0001	1	D

DATA	2562.4	7		.00018	9	D
DATA	2564.0	6		.00014	9	D
DATA	2604.64	14	(E2)	.00039	7	D
DATA	2630.83	17		.00082	14	D
DATA	2662.27	12	(E2)	.00027	9	D
DATA	2694.6	2	(E1 or E2)	.0315	13	D
DATA	2699.2	2	(E1 or E2)	.0028	3	D
DATA	2719.20	9		.0017	2	D
DATA	2769.9	2		.0247	11	D
DATA	2785.9	2		.0055	5	D
DATA	2827.0	2		.0023	2	D
DATA	2861.1	3		.00040	9	D
DATA	2880.3	2		.0091	7	D
DATA	2893.6	2		.0055	5	D
DATA	2921.8	4		.0136	10	D
DATA	2928.6	3		.0109	9	D
DATA	2934.5	3		.0046	9	D
DATA	2978.8	2		.0139	6	D
DATA	3000.0	2	(E1 or E2)	.0086	5	D
DATA	3053.9	2		.0195	10	D
DATA	3081.7	3		.0048	4	D
DATA	3094.0	4		.00037	5	D
DATA	3142.6	4		.0012	2	D
DATA	3149.2	5		.00009	5	D
DATA	3160.4	6		.00046	9	D
DATA	3183.6	4		.00127	9	D
DATA	3233.2	24	#	.00010	5	QD
DATA	3269.7	15	#	.00006	3	QD