^{134}Ce $Z = 58$ $N = 76$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 1121.013 (0.020) MeV
Qbeta+ = 0.386 (0.029) MeV

	Energy	T	J+	J-	J-other		T1/2	
134CE 1	0.000		0+			1	3.16 D	4
S-alpha= 0.001 (0.020)								
134CE 2	0.409		2+			2	23 PS	2
134CE 3	0.966		2+			3		
134CE 4	1.049		4+			4	3.3 PS	6
134CE 5	1.383		3+			5		
134CE 6	1.533		(0+)			6		
134CE 7					1.572	7		
134CE 8	1.643		4+			8		
134CE 9					1.775	9		
134CE 10	1.812		(4)+			10		
134CE 11	1.863		6+			11	2.8 PS	9
134CE 12					1.904 1,2,3	12		
134CE 13	1.964		(2+)			13		
134CE 14					1.989 1,2,3	14		
134CE 15	2.027		(4)+			15		
134CE 16	2.050		5+			16		
134CE 17					2.159	17		
134CE 18					2.170 (5)	18		
134CE 19				2.174	(5)-	19		
134CE 20					2.206	20		
134CE 21					2.247 (5)	21		
134CE 22					2.261	22		
134CE 23					2.272	23		
134CE 24	2.304		6+			24		
134CE 25					2.314 1,2,3	25		
134CE 26					2.339	26		
134CE 27				2.359	(6-)	27		
134CE 28	2.361		6(+)			28		
134CE 29					2.373	29		
134CE 30				2.474	(6)-	30		
134CE 31					2.545 (3)	31		
134CE 32				2.566	(7)-	32		
134CE 33					2.655	33		
134CE 34				2.707	(7)-	34		
134CE 35	2.768		(7+)			35		

134CE	36					2.773	36		
134CE	37	2.811	8+				37	0.7 PS	LT
134CE	38					2.821 (7)	38		
134CE	39					2.840	39		
134CE	40			2.896	(8)-		40		
134CE	41					2.948	41		
134CE	42			2.970	(8-)		42		
134CE	43	3.018	8+				43		
134CE	44					3.032	44		
134CE	45					3.069	45		
134CE	46					3.073 (9)	46		
134CE	47					3.141	47		
134CE	48			3.158	(9)-		48		
134CE	49					3.199	49		
134CE	50	3.209	10+				50	308 NS	5
134CE	51					3.261	51		
134CE	52					3.289	52		
134CE	53					3.299	53		
134CE	54					3.306	54		
134CE	55					3.317	55		
134CE	56			3.405	(10)-		56		
134CE	57					3.467	57		
134CE	58					3.592	58		
134CE	59					3.593	59		
134CE	60			3.601	(9-)		60		
134CE	61					3.658	61		
134CE	62					3.663	62		
134CE	63	3.719	10+				63	5.8 PS	10
134CE	64			3.751	(11)-		64		
134CE	65	3.818	(10+)				65		
134CE	66					3.866	66		
134CE	67					3.895	67		
134CE	68	4.007	12+				68		
134CE	69			4.023	(9-)		69		
134CE	70					4.109	70		
134CE	71			4.142	(12)-		71		
134CE	72	4.184	12+				72	11.0 PS	13
134CE	73			4.188	(10)-		73		
134CE	74			4.384	(11)-		74		
134CE	75			4.540	(13)-		75		
134CE	76			4.623	(12)-		76		
134CE	77	4.763	14+				77		
134CE	78			4.898	(13)-		78		
134CE	79	4.908	14+				79	1.2 PS	4
134CE	80			5.018	(14)-		80		

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134CE  81 |                  |   5.230     (14)-  |                  81
134CE  82 |                  |   5.493     (15)-  |                  82
134CE  83 |                  |   5.495     (15)-  |                  83
134CE  84 |                  |   5.592     (14)-  |                  84
134CE  85 |                  |   5.629     (15)-  |                  85
134CE  86 |  5.726     16+   |                    |                  86  1.5 PS    5
134CE  87 |                  |   5.746     (15)-  |                  87
134CE  88 |  5.866     (16+) |                    |                  88
134CE  89 |                  |   5.965     (16)-  |                  89
134CE  90 |                  |   6.024     (16)-  |                  90
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134CE  91 |                  |   6.049     (16)-  |                  91  0.56 PS   8
134CE  92 |                  |   6.306     (17)-  |                  92  0.59 PS   5
134CE  93 |                  |   6.524     (17)-  |                  93  0.64 PS   LT
134CE  94 |  6.598     (18+) |                    |                  94
S-p    =   6.627 ( 0.035) ------------------------------------------------------------------
134CE  95 |                  |   6.763     (18)-  |                  95  0.236 PS  21
134CE  96 |                  |   7.045     (18-)  |                  96
134CE  97 |                  |   7.068     (18)-  |                  97
134CE  98 |                  |   7.283     (19)-  |                  98  0.194 PS  21
134CE  99 |  7.583     (20+) |                    |                  99
134CE 100 |                  |   7.831     (20)-  |                 100  0.22 PS   LT
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134CE 101 |  8.585     (22+) |                    |                 101
134CE 102 |  9.538     (24+) |                    |                 102
S-n    =  10.486 ( 0.026) ------------------------------------------------------------------
134CE 103 | 10.529     (26+) |                    |                 103
S-2p   =  10.976 ( 0.020) ------------------------------------------------------------------
134CE 104 | 11.603     (28+) |                    |                 104
134CE 105 | 12.764     (30+) |                    |                 105
134CE 106 | 14.009     (32+) |                    |                 106
134CE 107 | 15.332     (34+) |                    |                 107


S-p    =   6.627 ( 0.035) ------------------------------------------------------------------
S-n    =  10.486 ( 0.026) ------------------------------------------------------------------
S-2p   =  10.976 ( 0.020) ------------------------------------------------------------------
S-2n   =  18.507 ( 0.029) ------------------------------------------------------------------
S-alpha=   0.001 ( 0.020) ------------------------------------------------------------------

S+p       =  -3.392 ( 0.024)
S+n       =  -7.855 ( 0.023)
S+2p      =  -8.944 ( 0.024)
S+2n      = -17.818 ( 0.020)
S+alpha   =   0.391 ( 0.023)

gap p     =   3.235 ( 0.042)
gap n     =   2.631 ( 0.035)
gap 2p    =   2.032 ( 0.031)
gap 2n    =   0.689 ( 0.035)
```

```
gap alpha =   0.392 ( 0.031)
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