Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 113,515 (2012)	1-Jan-2012

S(p)=1.48×10^3 *11*; Q(α)=3.53×10^3 *5* 2012Wa38

Note: Current evaluation has used the following Q record 1.42e$^+$4SY1.48E+3 *113*.53×10^3 *4* 2011AuZZ.

1994Og02, 1994Og03: ^{12}C decay mode investigated, only upper limits were established for this decay mode.

1997Gu22, 1995Gu10 (also 1995Gu01): first identified ^{114}Ba from ^{58}Ni(^{58}Ni,2n) reaction and on-line mass separation (GSI).
Three carbon events were reported by 1995Gu10 from ≈10×10^5 atoms of ^{114}Ba, no α were found. But in later study 1997Gu22, no evidence has been found for the ^{12}C decay mode. From a total of 5.4×10^4 *17* ^{114}Ba atoms implanted, 1997Gu22 determine %^{12}C<0.0034 (84% confidence limit).

1997Ja12: Delayed proton decay.

2002Ma19 (also 2003Mb01,2003Ro08,2001Ro35): measured α decay, the energy of α: 3410 *40*.

Theoretical calculation of ^{12}C emission can be found in 1993Ka22, 1994De38, 1994Fu13 and 1995Po02.

^{114}Ba Levels

E(level)	J$^\pi$	T$_{1/2}$	Comments
0	0$^+$	0.43 s *+30−15*	%ε+%β^+=99.1 *3*; %εp=20 *10* (1997Ja12); %α=0.9 *3* (2002Ma19) %^{12}C<0.0034 (1997Gu22) T$_{1/2}$: from 1997Ja12, timing of delayed protons.