Adopted Levels

History Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 114, 1293 (2013)	1-Sep-2013

Q(β^-)=9867 *4*; S(n)=5178 *5*; S(p)=1.26×10^4 *3*; Q(α)=−7914 *5* 2012Wa38
Q(βn)=5781 *4* (2012Wa38).
Production: 1974Kr21, 1976Ah01 (fast chemical separation); 1975As04, 1976Ru01, 1988Kr10 (mass separation of fission products).
Theory (partial list):
Half-life: 1988Kr10.
β^-strength function and delayed-n emission probability: 1988Kr10, 1984Ta06, 1977Sh10.
Delayed n spectrum: 2008Ka37 (QRPA and Hauser-Feshbach model).

^{91}Br Levels

Cross Reference (XREF) Flags

A ^{9}Be(^{136}Xe,X)

E(level)	$T_{1/2}$	XREF	Comments
0.0	0.543 s *4*	A	%β^-=100; %β^-n=19.5 *26* %β^-n: unweighted average of 22 *10* (1993Ru01), 25.5 *35* (1988Kr10), 30.1 *21* (relative to %β^-n(^{89}Br)=13.6 *8*) (1984Ew01), 19.2 *13* (1980Al15), 14.1 *36* (1978Kr15), 9.9 *20* (1975As04), 16 *5* (8.3 *25* from 1974Kr21, after revision by 1993Ru01). the weighted average of all data is 19.3 s *27*. $T_{1/2}$: weighted average of 0.549 s *9* (1993Ru01) and 0.541 s *5* (1976Ru01). Other data: 495 ms *50* and 615 ms *+61−51* (2012Qu01; from (^{136}Xe,Xγ)), 0.510 s *20* (1988Kr10), 0.53 s *3* (1984Ew01), 0.63 s *7* (1976Ah01), 0.60 s *5* (1975As04), 0.64 s *7* (1975Kr17), 0.63 s *7* (1974Kr21). the weighted average of all data is 0.543 s *5* and the unweighted average is 0.574 s *17*.