Adopted Levels

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 113,2187 (2012)	15-Sep-2012

Q(β^-)=12537 *8*; S(n)=3197 *8*; S(p)=1.32×10^4 *syst*; Q(α)=−7.94×10^3 *syst* 2012Wa38

Note: Current evaluation has used the following Q record 12537 7 *3197* 8 *13*.2E3 syst-7770 syst 2011AuZZ,2003Au03.

ΔS(p)=503, ΔQ(α)=400 (2011AuZZ).

S(n): From 2011AuZZ; 3140 *90* from 2003Au03.

Q(β^-n)=6670 *7* (2011AuZZ).

Identification in ^{235}U(n,f) or U(p,x) after chemical or mass separation, and based on delayed-neutron counting or growth in decay curves of known γ rays following β^- decay of ^{92}Kr daughter. ^{92}Br also produced in ^{9}Be(^{238}U,X), E=80 MeV/nucleon (2009Fo05) and in ^{9}Be(^{136}Xe,X), E=120 MeV/nucleon (2012Qu01).

^{92}Br Levels

Cross Reference (XREF) Flags

A ^{92}Br IT decay

E(level)	$T_{1/2}$	XREF	Comments
0.0	0.314 s *16*	A	%β^-=100; %β^-n=33.1 *25* $T_{1/2}$: unweighted average of 0.29 s *+7−6* (2012Qu01), 0.31 s *1* (1988Kr10), 0.365 s *7* (1976Ru01), 0.31 s *2* (1984Ew01), 0.35 s *4* (1978Cr03) and 0.26 s *4* (1974Kr21); the weighted average of these data is 0.342 s *13*. %β^-n is weighted average of 32.0 *45* (1988Kr10), 34.6 *25* (1984Ew01) and 21 *8* (1978Cr03), consistent with value recommended in 1993Ru01. Others: 1974Kr21, 1978Kr15.
0.0+x	<500 ns	A	$T_{1/2}$: from time correlations between ^{92}Br implantation and γ detection in IT decay (2009Fo05).