Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	E. A. Mccutchan	NDS 113,1735 (2012)	1-Mar-2012

Q(β^-)=1.34×10^4 *syst*; S(n)=4.5×10^3 *syst* 2012Wa38

Note: Current evaluation has used the following Q record 13100 syst 4470 syst 2011AuZZ.

ΔQ(β^-)=860, ΔS(n)=920.

S(2n)=6679 syst *861*, Q(β^-n)=9897 syst *805* (2011AuZZ).

The only information on ^{68}Cr is its observation following the fragmentation of ^{76}Ge at 132 MeV/nucleon (2009Ta05,2009Ta24). Fragments were identified by multiple ΔE signals, total energy, magnetic rigidity, and time of flight using the A1900 fragment separator combined with the S800 separator.

^{68}Cr Levels

E(level)	J$^\pi$	T$_{1/2}$	Comments
0.0	0$^+$	>360 ns	%β^-=100; %β^-n>0 E(level): assuming that observed events correspond to the g.s. T$_{1/2}$: limiting value from 360 ns time of flight through the separator as in 2005St29 (similar experimental setup as 2009Ta05). Actual half life is expected to be much longer as suggested by the calculated value of 26 ms (1997Mo25). This level is expected to undergo β-delayed neutron emission with a calculated value of %β^-n=15 (1997Mo25).