
Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 112,1115 (2011)	31-Oct-2010

$Q(\beta^-)=888\ 23$; $S(n)=5489\ 24$; $S(p)=8.31\times 10^3\ \text{syst}$; $Q(\alpha)=5.36\times 10^3\ \text{syst}$ [2012Wa38](#)

Note: Current evaluation has used the following Q record 1108 syst 5512 syst 8230 calc 5470 calc [2009AuZZ](#).

$\Delta Q(\beta^-)=207$, $\Delta S(n)=283$ (syst,[2009AuZZ](#));

$Q(\beta^-)=1110$ $\Delta Q(\beta^-)=360$ (syst. [2003Au03](#)) $S(n)=5410$ $\Delta S(n)=510$ (syst. [2003Au03](#)).

[Additional information 1.](#)

[1998Pf02](#): ^{220}Po nuclide identified in $^9\text{Be}(^{238}\text{U},X)$ reaction at $E(^{238}\text{U})=1\ \text{GeV/nucleon}$ at GSI, FRS separator used to separate fragments of ^{238}U beam.

 ^{220}Po Levels

E(level)	J^π	$T_{1/2}$	Comments
0	0^+	$>300\ \text{ns}$	$\% \beta^- = ?$ $\% \beta^-$ is expected to be 100 (1997Mo25) but no decay study has yet been reported. $T_{1/2}$: lower limit from time-of-flight in 1998Pf02 . Actual half-life is expected to be much longer as suggested by the systematics value of 40 s (2003Au02) and calculated value of $>100\ \text{s}$ (1997Mo25).