

$^{44}\text{S}$   $\beta^-$  decay (100 ms) [1995So03](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen, Balraj Singh and John A. Cameron		NDS 112, 2357 (2011)	31-Jul-2011

Parent:  $^{44}\text{S}$ :  $E=0$ ;  $J^\pi=0^+$ ;  $T_{1/2}=100$  ms *I*;  $Q(\beta^-)=11.51\times 10^3$  *20*;  $\% \beta^-$  decay=100.0

$^{44}\text{S}$ - $Q(\beta^-)$ : From [2011AuZZ](#). Other: 11110 410 ([2003Au03](#)).

$^{44}\text{S}$ - $T_{1/2}$ : from timing of  $\beta$ (fragment) correlations ([2004Gr20,2003Gr22](#)). Others: 123 ms *10* ([1995So03,1993So06](#)), 200 ms *40* ([1989Le16](#)). Weighted average of all the three values is 100 ms *2*.

$^{44}\text{S}$ - $\% \beta^-$  decay:  $\% \beta^- = 100$ ,  $\% \beta^- n = 18$  *3*.

$^{44}\text{S}$  identified in  $^{64}\text{Ni}(^{48}\text{Ca},\text{X})$   $E=60$  MeV/nucleon ([1995So03,1993So06](#)). Other reaction:  $^{181}\text{Ta}(^{48}\text{Ca},\text{X})$  [1989Le16](#).

$^{44}\text{S}$  also decays to  $^{43}\text{Cl}$  by  $\% \beta^- n = 18$  *3*.

Decay scheme of  $^{44}\text{S}$ , populating levels in  $^{44}\text{Cl}$ , is not known.

 $^{44}\text{Cl}$  Levels

E(level)

0