

$^{28}\text{S} \beta^+$ decay **1989Po10**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia		NDS 114,1189 (2013)	1-Apr-2013

Parent: ^{28}S : $E=0.0$; $J^\pi=0^+$; $T_{1/2}=125$ ms 10; $Q(\beta^+)=1.122 \times 10^4$ 16; $\% \beta^+$ decay=100

Sum of decay energies of this dataset is 5321 keV 178 cf. 11220 keV 160 obtained from $^{28}\text{S} \beta^+$ decay $Q(\text{g.s.})$ and branching.

^{28}S obtained from ^{39}Ar beam bombardment, 85 MeV/u, on a nickel target; isotope separator; heavy ions implanted and identified using a telescope, consists of six silicon detectors; measured β^+ delayed proton spectrum, relative and absolute intensities, time of flight.

 ^{28}P Levels

E(level) [†]	J^π [†]	$T_{1/2}$ [†]	Comments
0.0	3^+	270.3 ms 5	$\% \epsilon + \% \beta^+ = 100$
5900 2	0^+		

[†] From Adopted Levels.