

Adopted Levels, Gammas

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia		NDS 113,909 (2012)	1-Jan-2012

$Q(\beta^-) = -1.69 \times 10^4$ syst; $S(n) = 1.530 \times 10^4$ 17; $S(p) = 3.30 \times 10^3$ 5; $Q(\alpha) = -9.41 \times 10^3$ 5 [2012Wa38](#)

Note: Current evaluation has used the following Q record \$ -16925 syst 15.30E317 3300 50 -9410 50 [2011AuZZ](#), [2003Au03](#).

$\Delta Q(\beta^-) = 404$ (syst) ([2011AuZZ](#)); $Q(\beta^-) = 16300$ (200 syst) [2003Au03](#).

 ^{29}S LevelsCross Reference (XREF) Flags

A $^9\text{Be}(^{30}\text{S}, ^{29}\text{S}\gamma)$
B $^{197}\text{Au}(^{29}\text{S}, ^{29}\text{S}')$

E(level)	J^π	$T_{1/2}$	XREF	Comments
0	(5/2 ⁺)	188 ms 4	A	$\% \varepsilon + \% \beta^+ = 100$; $\% \varepsilon p = 47$ 5 (1964Ha45) J^π : Expected as a mirror of ^{29}Al ($J^\pi = 5/2^+$), with 13 odd nucleons (1964Ha45). $T_{1/2}$: weighted av: 195 ms 8 (1964Ha45), 180 ms 10 (1967Fi10), and 187 ms 6 (1979Vi01). E(level): Other: 1290 keV 20 (1980PaZG).
1222 20	(1/2 ⁺)		A	
1727 37	(7/2 ⁺)		A	
2887 40	(5/2 ⁺)		A	
7.4×10^3 4			B	
10.0×10^3 4			B	

 $\gamma(^{29}\text{S})$

$E_i(\text{level})$	J_i^π	E_γ	I_γ	E_f	J_f^π
1222	(1/2 ⁺)	1222	100	0	(5/2 ⁺)
1727	(7/2 ⁺)	1727	100	0	(5/2 ⁺)
2887	(5/2 ⁺)	1160	100	1727	(7/2 ⁺)

Adopted Levels, Gammas**Level Scheme**

Intensities: Relative photon branching from each level

