^{28}Al β^- decay 1982Sc14,1974MeZA

History

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

Parent: ^{28}Al: E=0; $J^\pi=3^+$; $T_{1/2}$=2.245 min *2*; Q(β^-)=4642.26 *12*; %β^- decay=100.0
Sum of decay energies of this dataset is 4641.75 keV *21* cf. 4642.26 keV *12* obtained from ^{28}Al β^- decay Q(g.s.) and branching.

^{28}Si Levels

E(level)	J^π[†]	$T_{1/2}$
0.0	0^+	stable
1778.987 *15*	2^+	

[†] From Adopted Levels.

β^- radiations

E(decay)	E(level)	Iβ^-[†]	Log *ft*	Comments
(2863.27 *12*)	1778.987	99.99 *1*	4.8664 *4*	av Eβ=1241.80

[†] Absolute intensity per 100 decays.

$\gamma(^{28}Si)$

E_γ	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.	Comments
1778.987 *15*	100	1778.987	2^+	0.0	0^+	E2	E_γ: From 1982Sc14. Other: 1778.85 keV *3* (1974MeZA). I_γ: 99.5 *14* (2000Fu16).

[†] Absolute intensity per 100 decays.

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Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays