^{29}Ne β^-n decay   **2006Tr02**

History

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

Parent: ^{29}Ne: E=0.0; J$^\pi$=(3/2$^+$); T$_{1/2}$=15 ms *3*; Q(β^-n)=11.32×10^3 *10*; %β^-n decay=28 *5*

^{28}Ne isotope was produced from fragmentation of ^{48}Ca beam on a Be target, E=140 MeV/nucleon at NSCL; Fragments were separated by A1900 fragment separator and identified by energy loss in a ΔE-E detector and time of flight; Detector: double sided Si microstrip detector (DSSD), SeGA array of 12 HPGe detectors, β^- counting system (BCS); Measured Eγ, Eβ, Iγ, Iβ, $\beta^-\gamma\gamma$ coin.

^{28}Na Levels

E(level)	J$^\pi$
0.0	1$^+$
55	
1131	

γ(^{28}Na)

E$_\gamma$	E$_i$(level)	E$_f$	J$^\pi_f$
55	55	0.0	1$^+$
1076	1131	55	
1131	1131	0.0	1$^+$

^{29}Ne β^-n decay   2006Tr02

Decay Scheme

$^{28}_{11}$Na$_{17}$