C(^{36}S,^{25}Neγ) **2005Be60**

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia, Anagha Chakraborty	NDS 205,1 (2025)	31-May-2025

Also ^{9}Be(^{36}S,^{25}Neγ).

^{25}Ne beam (54 MeV/u to 65 MeV/u) was obtained from double fragmentation of primary ^{36}S beam, E=77.5 MeV/u, on C target at GANIL, selected through the ALPHA spectrometer and directed on a second C target located at the SPEG spectrometer; Detector: A 74 element BaF$_2$ detector array and 4 Ge detectors; measured prompt Eγ, $\gamma\gamma$ coincidence; deduced level scheme.

^{25}Ne Levels

E(level)[†]	J^π	Comments
0	$1/2^+$	J^π: from Adopted Levels.
1707 *4*		
3324 *6*		

[†] From Eγ.

γ(^{25}Ne)

E_γ	E_i(level)	E_f	J^π_f
1617 *5*	3324	1707	
1707 *4*	1707	0	$1/2^+$

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Level Scheme

Legend

● Coincidence

$^{25}_{10}$Ne$_{15}$