^{26}Ne(d,2nγ)   **2006Ob05**

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia and A. M. Hurst	NDS 134, 1 (2016)	1-Feb-2016

2006Ob05: Inverse kinematic reaction: Beam=^{26}Ne, target=^{2}H.
E(^{26}Ne)=9.7 MeV/nucleon secondary beam produced by ISOL method using SPIRAL facility at GANIL. The primary beam of ^{36}S
 at E=77.5 MeV/nucleon was fragmented on a Carbon SPIRAL target.
Measured Eγ, Iγ, (^{26}Na)γ coin using 11 'Clovers' (8 EXOGAM and 3 EUROGAM). The ^{26}Na ejectiles were analyzed in the
 focal plane of the VAMOS magnetic spectrometer using time-of-flight and E-ΔE method.
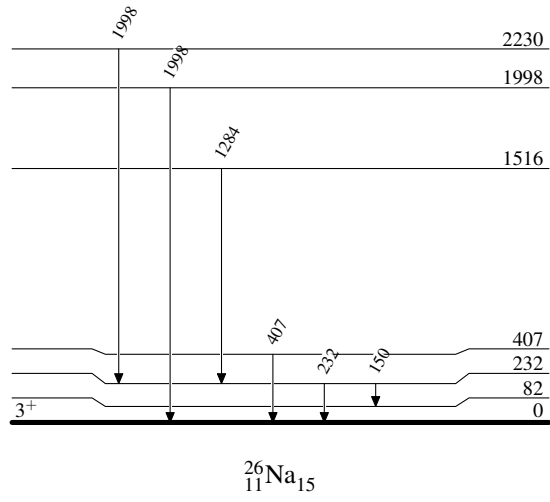Level scheme is taken from 2006Le17 − (^{14}C,dγ).

^{26}Na Levels

E(level)	J$^\pi$
0	3$^+$
82 *4*	
232 *3*	
407 *2*	
1516 *9*	
1998 *8*	
2230 *9*	

$\gamma(^{26}$Na)

E$_\gamma$	E$_i$(level)	E$_f$	J$^\pi_f$
150 *2*	232	82	
232 *3*	232	0	3$^+$
^{x}368 *2*			
407 *2*	407	0	3$^+$
1284 *9*	1516	232	
1998† *8*	1998	0	3$^+$
1998† *8*	2230	232	

† Multiply placed.
^{x} γ ray not placed in level scheme.

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Level Scheme

$^{26}_{11}$Na$_{15}$