

$^{28}\text{Si}(^{32}\text{S},3\text{pn}\gamma)$  2002ReZW

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Huo Junde, Huo Su, Yang Dong		NDS 112, 1513 (2011)	29-Oct-2009

E=123 MeV, measured  $\gamma$ -ray with GAMMASPHERE array, which contained 78 Ge detectors fitted with BGO Compton suppressors. Detected protons and neutrons by the GAMMASPHERE array and a shell of 30 neutron detectors, respectively. A rotational band is presented by the authors.

 $^{56}\text{Co}$  Levels

E(level)	$J^\pi$
$10.3 \times 10^3$	(12)
$11.802 \times 10^3$	(14)
$13.650 \times 10^3$	(16)
$15.895 \times 10^3$	(18)
$18.6 \times 10^3$	(20)

 $\gamma(^{56}\text{Co})$ 

$E_\gamma$	$E_i(\text{level})$	$J_i^\pi$	$E_f$	$J_f^\pi$
1502	$11.802 \times 10^3$	(14)	$10.3 \times 10^3$	(12)
1848	$13.650 \times 10^3$	(16)	$11.802 \times 10^3$	(14)
2245	$15.895 \times 10^3$	(18)	$13.650 \times 10^3$	(16)
$2667^\dagger$	$18.6 \times 10^3$	(20)	$15.895 \times 10^3$	(18)
$^x3780$				

$^\dagger$  Placement of transition in the level scheme is uncertain.

$^x$   $\gamma$  ray not placed in level scheme.

$^{28}\text{Si}(^{32}\text{S},3\text{pn}\gamma)$  2002ReZW

Legend

Level Scheme-----►  $\gamma$  Decay (Uncertain)