

$^{28}\text{Si}(\text{p},\text{p}2\text{n}\gamma)$ 2004Va22

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

Measured production cross section for the $2_1^+ \rightarrow 0_{\text{gs}}^+$ at 1796.0γ transition. Produced in the spallation reaction $^{28}\text{Si}(\text{p},\text{p}2\text{n})^{26}\text{Si}$.
E=1.1 GeV protons, natural Si target, Ge(Li)-NaI(Tl) anti-coincidence γ -ray spectroscopy.

 ^{26}Si Levels

E(level) [†]	J^π [†]
0.0	0^+
1797.3 1	2^+

[†] From Adopted Levels.

 $\gamma(^{26}\text{Si})$

E_γ	$E_i(\text{level})$	$\frac{J_i^\pi}{i}$	E_f	$\frac{J_f^\pi}{f}$	Comments
1796.0 9	1797.3	2^+	0.0	0^+	$\sigma=1.4$ mb 9 (2004Va22). Compares well with previous result of 1.4 mb 1 in 1990We14.

 $^{28}\text{Si}(\text{p},\text{p}2\text{n}\gamma)$ 2004Va22Level Scheme