

$^9\text{Be}(^{36}\text{Si},\text{X}\gamma)$ 2001Yo03

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Ninel Nica, Balraj Singh		NDS 113, 1563 (2012)	28-May-2012

Fragmentation of ^{40}Ar beams with ^9Be target to obtain secondary beam of ^{36}Si .

2001Yo03 (also 2002Sa11,2002Yo04,2002Mo35): $^9\text{Be}(^{36}\text{Si},\text{X}\gamma)$ E=38 MeV/nucleon. ^{36}Si beam obtained from $^9\text{Be}(^{40}\text{Ar},\text{X})$ at 95 MeV/nucleon. RIKEN-RIPS facility, time-of-flight and energy loss measurements to identify fragments. Measured E_γ , (fragment) γ coin, yields, array of 66 NaI(Tl) detectors.

 ^{34}Mg Levels

E(level)	J^π †
0	0^+
660 10	2^+
2120? 22	(4^+)

† From Adopted Levels.

 $\gamma(^{34}\text{Mg})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
660 10	660	2^+	0	0^+
1460† 20	2120?	(4^+)	660	2^+

† Placement of transition in the level scheme is uncertain.

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Legend

Level Scheme-----► γ Decay (Uncertain)