

$^{60}\text{Ni}(^{40}\text{Ca},\text{p3n})$ [2003Ba39](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni		NDS 109, 2501 (2008)	1-Apr-2008

[2003Ba39](#): $^{60}\text{Ni}(^{40}\text{Ca},\text{P3N})$ 4.8 MeV/nucleon. GSI large array of Ge, silicon and total absorption spectrometer, measured $E\gamma$, $I\gamma$, $E(p)$, $\beta\gamma$ -coin, $\gamma\gamma$, $p\gamma$ -coin, $T_{1/2}$.

[1982Ku15](#), [1996He25](#) and [1997Sc30](#) report $T_{1/2}$ and/or $\% \epsilon p$ values assuming a single decaying level in ^{96}Ag . Because [2003Ba39](#) has shown that there are actually 2 levels with similar $T_{1/2}$ values, the results from these previous studies were not used in the evaluation process; they are nevertheless given below: [1982Ku15](#): $T_{1/2}=5.1$ s 4, $\% \epsilon p=8.0$ 23. [1996He25](#): $\% \epsilon p=3.7$ 9. [1997Sc22](#): $T_{1/2}=5.22$ 15 from $\beta p(t)$ and 4.50 s 6 from $\gamma(t)$, $\% \epsilon p=11.9$ 26.

 ^{96}Ag Levels

E(level)	J^π	$T_{1/2}^\dagger$	Comments
0.0+x	$(8)^+$	4.40 s 6	$\% \epsilon + \% \beta^+ = 100$; $\% \epsilon p = 8.5$ 15 (2003Ba39) E(level): from calculations(1997Sc30) which predict g.s. is 8^+ . J^π : $\log ft \approx 5.3$ to 8^+ , no significant $I\epsilon$ to 6^+ nor to 10^+ .
0.0+y	(2^+)	6.9 s 6	$\% \epsilon + \% \beta^+ = 100$; $\% \epsilon p = 18$ 5 (2003Ba39) J^π : $\log ft \approx 5.9$ to 2^+ , no significant $I\epsilon$ to 0^+ nor to 4^+ .

† From $\gamma(t)$ [2003Ba39](#).