

$^{40}\text{Ar}(n,\alpha)$  1971Ka17,1964Da11,1955Be78

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	John Cameron, Jun Chen and Balraj Singh, Ninel Nica		NDS 113, 365 (2012)	15-Jan-2012

1971Ka17: E=14.4 MeV. Measured  $E\alpha$ ,  $\sigma$ . FWHM<4%.

1964Da11: E=5.9-0 MeV. Measured  $\sigma(E(\alpha))$ , excitation functions.

1955Be78: E=14.8 MeV. Measured  $E\alpha$ ,  $I\alpha$ ; identified 1.3, 2.2, 2.7, 3.5 MeV states in  $^{37}\text{S}$ .

[Additional information 1.](#)

 $^{37}\text{S}$  Levels

E(level) <sup>†</sup>	$\sigma$ (mb) <sup>†</sup>	Comments
0	2.1 4	<a href="#">Additional information 2.</a>
$5.9 \times 10^2$ 10	0.3 1	<a href="#">Additional information 3.</a> E(level): 650 60 (1964Da11).
1390 90	3.1 6	<a href="#">Additional information 4.</a> E(level): 1390 70 (1964Da11), 1300 50 (1955Be78).
2200 50	3.5 7	<a href="#">Additional information 5.</a> E(level): 2190 90 (1964Da11), 2200 100 (1955Be78).
2830 90	$\geq 0.3$	<a href="#">Additional information 6.</a> E(level): 2820 200 (1964Da11), 2700 100 (1955Be78).
$3.5 \times 10^3$ 2	$\geq 0.1$	E(level): 3500 200 (1955Be78).

<sup>†</sup> From [1971Ka17](#).