

${}^{48}\text{Ca}(\text{p,X}),(\text{d,n}),({}^3\text{He,d}),(\alpha,\text{t})$

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	T. W. Burrows ^a	NDS 109, 1879 (2008)	14-Jul-2008

The following table summarizes the isobaric analog data obtained from these reactions. See the appropriate tables below for details and discussion.

(a) see ${}^{49}\text{Ca}$ Adopted Levels for parent state configurations derived by [1978He15](#).

${}^{49}\text{Sc}$ E, J^π	${}^{49}\text{Ca}$ E, J^π	${}^{49}\text{Sc}$ E, J^π	${}^{49}\text{Ca}$ E, J^π
11537.5, (3/2 ⁻)	g.s., 3/2 ⁻	15107, 5/2 ⁻	3586, 5/2 ⁻ (a)
11546.6, 3/2 ⁻	''	15479, (3/2 ⁻)	3861, (3/2 ⁻)
11551.6, 3/2 ⁻	''	15561, 5/2 ⁻	3991, 5/2 ⁻ (a)
11561.5, 3/2 ⁻	''	15620, 9/2 ⁺	4010, (9/2 ⁺)+(a)
11568.6, (3/2 ⁻)	''	15876, 3/2 ⁺	4277.5, 3/2 ⁺
11568.6, (3/2 ⁻)	''	16023, 5/2 ⁺	4416, 5/2 ⁺
11578.4, (3/2 ⁻)	''	16506, 7/2 ⁺	4885, (7/2 ⁺)
11583.4, (3/2 ⁻)	''	16991, 9/2 ⁺	5397, (9/2 ⁺)
13487, (1/2 ⁻)	2023.2, 1/2 ⁻	17659, 5/2 ⁺	6090, (5/2 ⁺)
13557, (1/2 ⁻)	''	18.2 MeV, 3/2 ⁺ , 5/2 ⁺	(6690, (1/2 ⁺ to 5/2 ⁺))
13571, (1/2 ⁻)	''	18.3 MeV, 3/2 ⁺ , 5/2 ⁺	(6900, (1/2 ⁺ to 5/2 ⁺))