

$^{242}\text{Pu}(p,t)$ 1972Ma15

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh, E. Browne		NDS 109, 2439 (2008)	31-Jul-2008

1972Ma15: E=17 MeV. Measured $\sigma(\theta)$. $Q(p,t)=-3045$ keV 15.

 ^{240}Pu Levels

E(level)	L	$d\sigma/d\Omega$ (mb/sr) S\$ at 20° c.m. for all groups, except for L=0 groups which are at 60°
0	0	0.19
42 5	†	0.095
142 5	‡	0.034
862 5	0	0.052
902 5	†	0.024
1005 5		0.006
1091 5	0	0.020
1137 5	†	0.030
1227 5		0.017
1580 5		0.003

† $\sigma(\theta)$ distribution consistent with 2⁺ states in neighboring nuclides.

‡ $\sigma(\theta)$ distribution consistent with 4⁺ states in neighboring nuclides.