

$^{64}\text{Ni}(^3\text{He}, ^3\text{He}')$ 1990Bu25,1969Ar10

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen		NDS 178,41 (2021).	12-Nov-2021

Optical model analysis from $\sigma(\theta)$ measurements.

($^3\text{He}, ^3\text{He}$): 1993Do11 (95 MeV), 1980Hy02 (E=119 MeV), 1976Br36 (E=18 MeV), 1972Ca06 (E=33 MeV), 1971Ur01 (E=21 MeV), 1966Ru06 (E=25 MeV).

($^3\text{He}, ^3\text{He}'$): 1990Bu25 (50,50.5 MeV); 1969Ar10 and 1969Ar08 (E=36 MeV), 1968Ru01 (25 MeV).

 ^{64}Ni Levels

E(level) [†]	J ^π [‡]	Comments
0.0	0 ⁺	
1320	2 ⁺	$\beta_2=0.204$ or 0.16 (1990Bu25); 0.180 <i>I8</i> (1969Ar10); 0.20 (1968Ru01).
3550	3 ⁻	$\beta_3=0.115$ or 0.109 (1990Bu25); 0.110 <i>II</i> (1969Ar10); 0.15 (1968Ru01).

[†] From 1969Ar10.

[‡] From the Adopted Levels.