		History	
Туре	Author	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen	NDS 179, 1 (2022)	30-Nov-2021

 $J^{\pi}(^{49}\text{Ti})=7/2^{-}.$

1968Lu06: E=18.2 MeV ³He beam was produced from the Livermore variable-energy cyclotron. Target was 1.6 mg/cm² 75.5% enriched ⁴⁹Ti. Reaction products were detected with two Si(Li) detectors. Measured $\sigma(\theta_{c.m.}=12^{\circ} \text{ to } 60^{\circ})$. Deduced levels, J, π , L-transfers and spectroscopic factors from DWBA analysis. Comparisons with available data.

⁴⁸Ti Levels

Spectroscopic factor S in this dataset is defined by $C^2S = \sigma(exp)/\sigma(DWBA)$.

E(level) [†]	L [‡]	S‡
0.0	3	0.2
1000	3	0.7
2310	3	0.8
3330	3	3.4
4060	(3)	(0.7)
4380	1	0.1

[†] From 1968Lu06.

[±] From DWBA analysis of measured $\sigma(\theta)$ (1968Lu06).