⁴⁸Ti(π^+,π^+'),(π^-,π^-') **1988Oa01,1987Oa01**

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

1988Oa01,1987Oa01: E=180 MeV pions were produced from the Los Alamos Clinton P. Anderson Meson Physics Facility (LAMPF). Targets were 58.0 mg/cm² enriched ⁴⁸Ti. Scattered pions were detected with the Energetic Pion Channel and Spectrometer (EPICS) system (FWHM=150 keV). Measured $\sigma(\theta=18^{\circ}$ to 55°). Collective-model DWPI. Extracted neutron and proton multipole matrix elements. Deduced levels, L-transfers, transition strengths.

⁴⁸Ti Levels

E(level)	J^{π}	L	Comments
0.0	0+		
9.8×10^{2}		2	B(E2)↑=0.0694 52 (1987Oa01)
2.40×10^3		4	
2.42×10^3		2	B(E2)\(\dagger)=0.0058 \(11 \) (1987Oa01)
3.24×10^3		4	
3.36×10^{3}		2+3	
3.63×10^{3}		2+3	
3.87×10^3		3	
4.05×10^{3}		2	
4.17×10^{3}		2+4	
4.39×10^{3}		2+4	
4.58×10^{3}		3	
4.79×10^3		2	
4.91×10^{3}		2+5	
5.15×10^3		4	
5.36×10^3		3	
5.54×10^3		3	
5.62×10^3		2	
5.87×10^{3}		2+3	
6.09×10^{3}		2+3	
6.36×10^3		3	
6.50×10^{3}		2+3	
6.70×10^3		4	
6.83×10^3		3	
6.96×10^3		3	

[†] Unresolved multiplet.