

⁴⁸Ti(p,n) 1962Ne08

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

1962Ne08: E=4.80-6.00 MeV proton beams were produced from the Florida State University Tandem Van de Graaff accelerator. Target was 0.55 mg/cm² ⁴⁸Ti (99% enriched) in the form of TiO₂. Neutrons were detected with BF₃-filled proportional counters. Measured counter-ratios of slow neutrons to fast neutrons as a function of proton beam energies. Deduced ground state (p,n) threshold, levels.

⁴⁸V Levels

<u>E(level)[†]</u>
0
306 4
416 4
514 4
752 6

[†] Energies of excited states are from corresponding thresholds relative to that of ground state in the counter ratio excitation curve (1962Ne08).