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$^{194}\text{Pt}(^3\text{He},\text{n})$     [1979An07](#)

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| Type            | Author         | History<br>Citation  | Literature Cutoff Date |
|-----------------|----------------|----------------------|------------------------|
| Full Evaluation | Huang Xiaolong | NDS 108, 1093 (2007) | 1-Jan-2006             |

E=33.3 MeV. Time-of-flight spectrometer, energy resolution≈50 keV. Liquid scintillation neutron detectors. Measured  $\sigma(E,\theta)$  from 0 to 22° in 2° steps. Enriched target. DWBA analysis. Data are analyzed in terms of a pairing vibrational model with corrections for proton particle-hole and proton-neutron pairing interactions.

$^{196}\text{Hg}$  Levels

| E(level)              | $J^\pi$ <sup>‡</sup> | L <sup>†</sup> | $d\sigma/d\Omega$ <sup>#</sup> |
|-----------------------|----------------------|----------------|--------------------------------|
| 0.0                   | 0 <sup>+</sup>       | 0              | 124 9                          |
| 3.0×10 <sup>3</sup> l | 0 <sup>+</sup>       | 0              | 68 6                           |

<sup>†</sup> From  $d\sigma/d\Omega$  DWBA analysis.

<sup>‡</sup> From L-value.

<sup>#</sup> In  $\mu\text{b/sr}$  at 0°.