

$^{208}\text{Pb}(p,2p), ^{208}\text{Pb}(\text{pol } p,2p)$  [2002Ne12](#), [1995Co25](#)

| Type            | Author                     | History | Citation            | Literature Cutoff Date |
|-----------------|----------------------------|---------|---------------------|------------------------|
| Full Evaluation | F. G. Kondev, S. Lalkovski |         | NDS 112, 707 (2011) | 1-Aug-2010             |

[2002Ne12](#): Facility: iThemba Lab; Beam: E(pol p)=202 MeV 5; Target: two targets enriched to 98% and 99% in  $^{208}\text{Pb}$  with a thickness of 7.7 mg/cm<sup>2</sup> 54 and 0.74 mg/cm<sup>2</sup> 4 respectively; Detectors: magnetic  $\Delta E$ -E telescope, consisting of a surface barrier detector and a planar HPGe; Measured: binding energies,  $\sigma(\theta)$ , analyzing power; Deduced: spectroscopic factors.

[1995Co25](#): Facility: iThemba lab; Beam:E(p)=204.0 MeV 5; Target: 7.7 mg/cm<sup>2</sup> enriched to 98.8% in  $^{208}\text{Pb}$ ; Detectors: magnets, two detector telescopes; Measured: binding energies,  $\sigma(\theta)$ ; Deduced: spectroscopic factors.

 $^{207}\text{Tl}$  Levels

| E(level) <sup>†</sup>   | J $\pi$ <sup>†</sup> |
|-------------------------|----------------------|
| 0 <sup>‡</sup>          | 1/2 <sup>+</sup>     |
| 351.06 <sup>‡</sup> 5   | 3/2 <sup>+</sup>     |
| 1348.18 <sup>#</sup> 16 | 11/2 <sup>-</sup>    |
| 1682.58 <sup>#</sup> 19 | 5/2 <sup>+</sup>     |

<sup>†</sup> From the Adopted Levels.

<sup>‡</sup> Unresolved doublet in [2002Ne12](#).

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