

$^{198}\text{Pt}(n,\gamma)$ E=95.82 eV 1968Sa13

| Type | Author | History Citation | Literature Cutoff Date |
|-----------------|--------------|--------------------|------------------------|
| Full Evaluation | Balraj Singh | NDS 108, 79 (2007) | 15-Oct-2006 |

1968Sa13: measured E_γ , I_γ .

Others: 1963Bi24, 1962Ju04, 1962Co11.

 ^{199}Pt Levels

| E(level) [†] | J^π [‡] | $T_{1/2}$ | Comments |
|-----------------------|----------------------|-------------|---|
| 0 | $5/2^-$ | | J^π : from 'Adopted Levels'. |
| 34 | $1/2^-, 3/2^-$ | | E(level): 80 (1968Sa13). J^π : $(3/2)^-$ in 'Adopted Levels'. |
| 84 | $1/2^-, 3/2^-$ | | E(level): 130 (1968Sa13). J^π : $(3/2)^-$ in 'Adopted Levels'. |
| 471 | $1/2^-, 3/2^-$ | | E(level): 517 (1968Sa13). J^π : $3/2^-$ in 'Adopted Levels'. |
| 1093 | $1/2^-, 3/2^-$ | | E(level): 1139 (1968Sa13). |
| 1202 | $1/2^-, 3/2^-$ | | E(level): 1248 (1968Sa13). |
| 1377 | $1/2^-, 3/2^-$ | | E(level): 1423 (1968Sa13). |
| 1823? | $(1/2^-, 3/2^-)$ | | E(level): 1869 (1968Sa13). |
| (S(n)+0.0958) | $1/2^+$ | 0.570 eV 20 | E(level): S(n)=5556.0 5 (2003Au03)+95.82 eV. 1968Sa13 used S(n)=5602. J^π : $1/2^+$ (1969De09, 1969Ju01). Γ from 1969De09. $\Gamma_n=0.423$ eV 15, $\Gamma_\gamma=0.147$ eV 25 (1969De09). |

[†] Adjusted to S(n)=5556 keV.

[‡] Primary γ from $1/2^+$ (1968Sa13), unless otherwise stated.

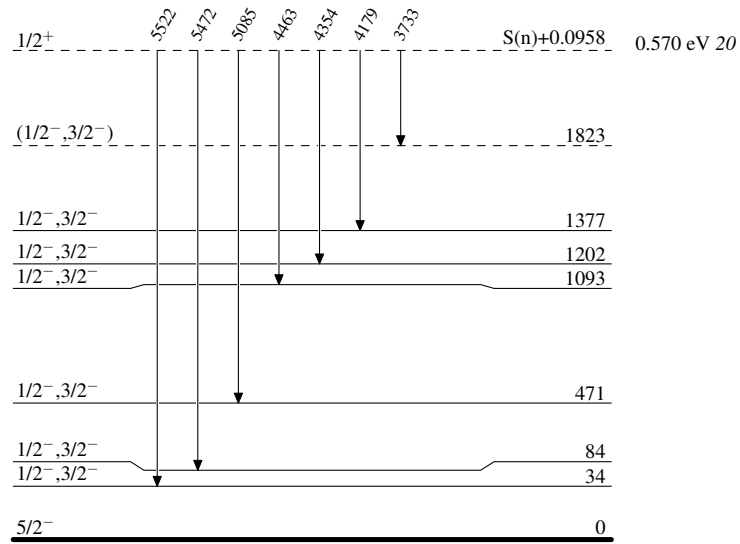
 $\gamma(^{199}\text{Pt})$

| E_γ [†] | $E_i(\text{level})$ | J_i^π | E_f | J_f^π |
|-------------------------|---------------------|-----------|-------|------------------|
| 3733 | (S(n)+0.0958) | $1/2^+$ | 1823? | $(1/2^-, 3/2^-)$ |
| 4179 | (S(n)+0.0958) | $1/2^+$ | 1377 | $1/2^-, 3/2^-$ |
| 4354 | (S(n)+0.0958) | $1/2^+$ | 1202 | $1/2^-, 3/2^-$ |
| 4463 | (S(n)+0.0958) | $1/2^+$ | 1093 | $1/2^-, 3/2^-$ |
| 5085 | (S(n)+0.0958) | $1/2^+$ | 471 | $1/2^-, 3/2^-$ |
| 5472 | (S(n)+0.0958) | $1/2^+$ | 84 | $1/2^-, 3/2^-$ |
| 5522 | (S(n)+0.0958) | $1/2^+$ | 34 | $1/2^-, 3/2^-$ |

[†] Level-energy differences from figure 11 of 1968Sa13.

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Level Scheme

 $^{199}_{78}\text{Pt}_{121}$