## Coulomb excitation

| Type | Author | History Citation | Literature Cutoff Date |
|---|---|---|---|
| Full Evaluation | A. A. Sonzogni | NDS 93, 599 (2001) | 1-Dec-2000 |

1963Al31: ($^{14}$N,$^{14}$N′), B(E2)=0.39 *12*.
1966Ec02: ($^{16}$O,$^{16}$O′), B(E2)=0.25 *5*.
1971Ba80: ($\alpha$,$\alpha$′), E=50 MeV; (p,p′), E=30 MeV.
1978Ki09: ($\alpha$,$\alpha$′), E=13.5 MeV, B(E2)=0.262 *6*.
1989Ba01: ($\alpha$,$\alpha$′), E=14 MeV, B(E3)=0.33 *3*.
1990Ba41: ($^{58}$Ni,$^{58}$Ni′), E=217 MeV $\gamma(3^-)$=0.76 *9*.
1991Ba38: ($^{32}$S,$^{32}$S′), E=116 MeV, g($2^+$)=0.76 *11*.

### $^{144}$Sm Levels

| E(level)† | J$^\pi$† |
|---|---|
| 0.0 | $0^+$ |
| 1660.027 *10* | $2^+$ |
| 1810.172 *25* | $3^-$ |

† From adopted values.

### $\gamma(^{144}Sm)$

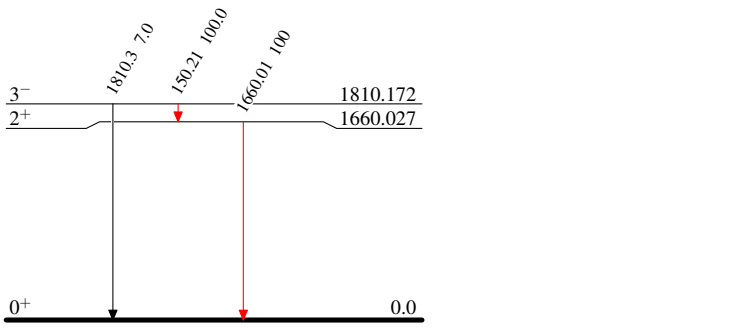
| $E_\gamma$† | $I_\gamma$† | $E_i$(level) | $J^\pi_i$ | $E_f$ | $J^\pi_f$ |
|---|---|---|---|---|---|
| 150.21 *10* | 100.0 *2* | 1810.172 | $3^-$ | 1660.027 | $2^+$ |
| 1660.01 *1* | 100 | 1660.027 | $2^+$ | 0.0 | $0^+$ |
| 1810.3 *3* | 7.0 *6* | 1810.172 | $3^-$ | 0.0 | $0^+$ |

† From adopted values.

**Coulomb excitation**

Level Scheme

Intensities: Type not specified




$^{144}_{62}Sm_{82}$