

Coulomb excitation [2002Ja02,1993Sp01,1975EdZY](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	A. A. Sonzogni	NDS 103, 1 (2004)	31-Jul-2004

[1975EdZY](#): $^{134}\text{Xe}(\alpha, \alpha')$ E=11, 12 MeV.

[1993Sp01](#): $^{134}\text{Xe}(^{32}\text{S}, ^{32}\text{S}')$ E=100 MeV.

[2002Ja02](#): $\text{Ti}(^{134}\text{Xe}, ^{134}\text{Xe}')$ E=492 MeV, measured $T_{1/2}$ using DSAM and G-factors using transient field technique.

 ^{134}Xe Levels

E(level) [†]	J ^π [†]	T _{1/2}	Comments
0.0	0 ⁺		
847	2 ⁺	2.08 ps <i>14</i>	g=+0.354 7 (2002Ja02); B(E2)↑=0.312 21 (2002Ja02) T _{1/2} : from 2002Ja02 . Other: 1.9 ps 4 from B(E2)=0.34 6 (1975EdZY). Other g factor: +0.56 10 (1993Sp01).
1731	4 ⁺	2.22 ps <i>14</i>	g=+0.80 15 (2002Ja02); B(E2)↑=0.312 21 (2002Ja02) T _{1/2} : from 2002Ja02 . B(E2)↑: From measured T _{1/2} .

[†] From Adopted Levels.

 $\gamma(^{134}\text{Xe})$

E _γ	E _i (level)	J _i ^π	E _f	J _f ^π
847	847	2 ⁺	0.0	0 ⁺
884	1731	4 ⁺	847	2 ⁺

Coulomb excitation [2002Ja02,1993Sp01,1975EdZY](#)Level Scheme