

¹⁴⁴Pr IT decay (7.2 min) [1970Fa03,1974Be09](#)

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

Parent: ¹⁴⁴Pr: E=59.03 3; J^π=3⁻; T_{1/2}=7.2 min 3; %IT decay=99.9

¹⁴⁴Pr-%IT decay: from β⁻ decay.

¹⁴⁴Pr Levels

E(level)	J ^π	T _{1/2}	Comments
0.0	0 ⁻	17.28 min 5	T _{1/2} : from adopted values.
59.03 3	3 ⁻	7.2 min 3	T _{1/2} : from 1970Fa03 using KXray(Pr)(t).

γ(¹⁴⁴Pr)

E _γ	E _i (level)	J _i ^π	E _f	J _f ^π	Mult.	α [‡]	I _(γ+ce) [†]	Comments
59.03 3	59.03	3 ⁻	0.0	0 ⁻	M3	1.23×10 ³	100	ce(K)/(γ+ce)=0.334 10; ce(L)/(γ+ce)=0.502 15; ce(M)/(γ+ce)=0.125 4; ce(N)/(γ+ce)=0.0383 12 Additional information 1.

[†] For absolute intensity per 100 decays, multiply by 0.9993.

[‡] Total theoretical internal conversion coefficients, calculated using the BrIcc code ([2008Ki07](#)) with Frozen orbital approximation based on γ-ray energies, assigned multiplicities, and mixing ratios, unless otherwise specified.

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Decay Scheme

%IT=99.9

