

¹⁵⁶Lu α decay (198 ms) [1979Ho10,1965Ma14](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	M. J. Martin	NDS 114, 1497 (2013)	31-Aug-2013

Parent: ¹⁵⁶Lu: E=0+x; J ^{π} =9⁺; T_{1/2}=198 ms 2; Q(α)=5596 3; % α decay=100.0

¹⁵⁶Lu-E,J ^{π} ,T_{1/2}: Values adopted by [2003Re20](#).

¹⁵⁶Lu-% α decay: Value adopted in [2003Re20](#).

Measured: E(α), I(α): [1996Pa01](#), [1992Ha10](#), [1979Ho10](#), [1965Ma14](#); T_{1/2}: [1996Pa01](#), [1979Ho10](#); % α : [1996Pa01](#), [1992Ha10](#), [1979Ho10](#).

[Additional information 1.](#)

¹⁵²Tm Levels

E(level)	Comments
0+y	E(level): Final level of α decay is unknown but is probably the 5.2-s state. J ^{π} : HF=1.84 12 for the α branch from this level shows that the level has the same configuration as that of the daughter level.

α radiations

E α	E(level)	I α [#]	HF ^{†‡}	Comments
5565 3	0+y	100	1.84 12	E α : weighted average of 5565 4 (1996Pa01), 5563 8(1992Ha10), 5567 5 (1991Ry01,1979Ho10). Other: 5540 20 (1965Ma14). I α : Only one α branch has been reported.

[†] r₀(¹⁵²Tm)=1.566 20.

[‡] r₀ is taken by the evaluator to be the same as that for the g.s. decay.

[#] Absolute intensity per 100 decays.