

²¹²Rn α decay [1971Go35](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	M. J. Martin	NDS 108,1583 (2007)	1-Jun-2007

Parent: ²¹²Rn: E=0.0; J π =0⁺; T_{1/2}=23.9 min 12; Q(α)=6385.0 26; % α decay=100.0
Branching: I α =100%.

²⁰⁸Po Levels

E(level) [†]	J π [†]	Comments
0.0	0 ⁺	
686.53 2	2 ⁺	E(level): E=694 4 from $\Delta Q(\alpha)$.

[†] From ²⁰⁸Po Adopted Levels.

α radiations

E α	E(level)	I α [‡]	HF [†]	Comments
5583 3	686.53	0.050 5	1.43 16	
6264 3	0.0	99.950 5	1.0	E α : from 1991Ry01 (based on data from 1971Go35 and 1955Mo69). Other: 1952Mo23 .

[†] Requirement of Hf(6264 α)=1.0 yields r₀(²⁰⁸Po)=1.4343 24.

[‡] Absolute intensity per 100 decays.