
 ^{125}Pr ε decay [1995Os03](#)

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	J. Katakura	NDS 112, 495 (2011)	1-Jan-2010

Parent: ^{125}Pr : E=0.0; $T_{1/2}$ =3.3 s 7; $Q(\varepsilon)$ =8747 SY; % ε +% β^+ decay=100.0

[1995Os03](#): $^{92}\text{Mo}(^{36}\text{Ar},x)$ E=5.4 MeV/U, enriched target, on-line ms, $\beta\gamma$ coin, $\gamma\gamma$ coin.

 ^{125}Ce Levels

<u>E(level)[†]</u>	<u>Jπ[‡]</u>	<u>Comments</u>
0.0	(7/2 ⁻)	E(level): 1995Os03 assign the energy as 0.0+x.
135.76 5	(5/2 ⁺)	
281.9 5	(7/2 ⁺)	
462.1 9	(9/2 ⁺)	

[†] From a least-squares fit to $E\gamma$'s.

[‡] From Adopted Levels, gammas.

 $\gamma(^{125}\text{Ce})$

<u>E_γ</u>	<u>$E_i(\text{level})$</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>
135.76 5	135.76	(5/2 ⁺)	0.0	(7/2 ⁻)
146.1 5	281.9	(7/2 ⁺)	135.76	(5/2 ⁺)
180.2 7	462.1	(9/2 ⁺)	281.9	(7/2 ⁺)

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Decay Scheme

