

$^{235}\text{U}(\text{n},\text{F}\gamma)$ **1973Kh05**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Yu. Khazov, A. Rodionov and G. Shulyak		NDS 136, 163 (2016)	14-Jul-2016

1973Kh05: $^{235}\text{U}(\text{n},\text{F}\gamma)$. E=14 MeV; measured E(ce), (fragment)(ce) coin. ^{146}Ce ; deduced $E\gamma$, K/L, mult.

 ^{146}Ce Levels

<u>$E(\text{level})^\dagger$</u>	<u>$J^\pi^\dagger$</u>
0.0	0^+
258.5	2^+

† From 'Adopted Levels'.

 $\gamma(^{146}\text{Ce})$

<u>$E_\gamma^\dagger$</u>	<u>$E_i(\text{level})$</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>	<u>Mult.</u>	<u>$\alpha^\ddagger$</u>	Comments
258.0 7	258.5	2^+	0.0	0^+	E2	0.0790 13	$\alpha(\text{K})=0.0623$ 11; $\alpha(\text{L})=0.01311$ 23; $\alpha(\text{M})=0.00283$ 5 $\alpha(\text{N})=0.000616$ 11; $\alpha(\text{O})=9.27\times 10^{-5}$ 16; $\alpha(\text{P})=4.01\times 10^{-6}$ 7 E_γ : from E(ce)=218 l for K-shell, E(ce)=252 l for L-shell, K/L=4.0 (1973Kh05) .

† From E(ce) (**1973Kh05**).

‡ [Additional information 1](#).

 $^{235}\text{U}(\text{n},\text{F}\gamma)$ **1973Kh05**Level Scheme