$^{246}_{95}$Am

Δ: 64989 *18* **S_n:** 4976 *18* **S_p:** 5398 *23*
Q_{β^-}: 2376 *18* **Q_α:** (5150)

Nuclear Bands

A Fission isomer

Levels and γ-ray branchings:

0, (7⁻), 39 *3* m, %β⁻=100

>0, 2(⁻), 25.0 *2* m, %β⁻=100, %IT<0.01

16.23 *3*, (0⁻,1⁻,2⁻) **$\gamma_{0.00}$*16.23*** *3* (†$_\gamma$100)

43.81 *2*, (1⁺), 4.3 *3* ns **γ_{16}*27.58*** *2* (†$_\gamma$14.1 *15*) (E1) **$\gamma_{0.00}$*43.81*** *2* (†$_\gamma$100 *5*) (E1)

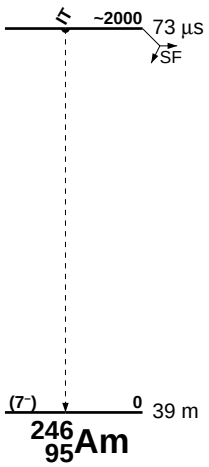
74.33 *5*

223.75 *2*, (1⁺) **γ_{74}*149.42*** *3* (†$_\gamma$0.24 *20*)
γ_{44}*179.94* *2* (†$_\gamma$41.3 *20*) (M1)
$\gamma_{0.00}$*223.75* *2* (†$_\gamma$100 *7*) (E1)

232.76 *3* **γ_{74}*158.42*** *3* (†$_\gamma$31 *7*)
γ_{44}*189.00* *4* (†$_\gamma$42 *7*) **γ_{16}*216.55*** *4* (†$_\gamma$100 *16*) **γ_{16}*223.75*** *2* (†$_\gamma$71 *11*)

299.35 *4*, 0⁻,1 **γ_{233}*66.60*** *2* (†$_\gamma$100 *7*)
γ_{224}*75.64* *2* (†$_\gamma$71 *10*) **γ_{44}*255.54*** *3* (†$_\gamma$90 *7*) **$\gamma_{0.00}$*299.34*** *6* (†$_\gamma$12 *3*)

A ≈**2000**, 73 *10* μs, %SF≤100


~2000
73 µs
SF
(7⁻)
0
39 m
246
95
Am