

$^{246}_{95}\text{Am}_{151}$  $S_n: 4976_{19}, S_p: 5398_{23}$ 

## Nuclear Bands

A Fission isomer (1972Wo07,1983Po14)

Levels and  $\gamma$ -ray branchings: $0, (7^-), 39_3 \text{ min}, \% \beta^- = 100$  $0.0+x, 2^{(-)}, 25.0_2 \text{ min}, \% \beta^- = 100, \% \text{IT} < 0.02$  $16.22+x, (0^-, 1^-, 2^-), \gamma_{0.0+x} (16.23)_3 (100)$  $43.81+x, (1^+), 4.3_3 \text{ ns}, \gamma_{16.22+x} 27.58_2 (14.1_{15}) (E1),$  $\gamma_{0.0+x} 43.81_2 (100_5) (E1)$  $74.34+x$  $223.74+x, (1^+), \gamma_{74.34+x} 149.42_3 (0.24_{20}), \gamma_{43.81+x} 179.94_2 (41.3_{20})$  $(M1), \gamma_{0.0+x} 223.75_2 (100_7) (E1)$  $232.77+x, \gamma_{74.34+x} 158.42_3 (31_7), \gamma_{43.81+x} 189.00_4 (42_7),$  $\gamma_{16.22+x} 216.55_4 (100_{16}), \gamma_{0.0+x} 232.75_2 (71_{11})$  $299.37+x, 0^-, 1, \gamma_{232.77+x} 66.60_2 (100_7), \gamma_{223.74+x} 75.64_2 (71_{10}),$  $\gamma_{43.81+x} 255.54_3 (90_7), \gamma_{0.0+x} 299.34_6 (12_3)$ A  $\approx 2000_{73}^{10} \mu\text{s}, \% \text{SF} \leq 100$ 