

# $^{236}_{94}\text{Pu}$

$\Delta$ : 42894.3  $S_n$ : 7357.21  $S_p$ : 5433.219

$Q_\alpha$ : 5867.078

$\sigma_f$ : 170.35 b

## Nuclear Bands

A Fission isomer

## Levels and $\gamma$ -ray branchings:

0,  $0^+$ , 2.8588 y, % $\alpha$ =100,

%SF=1.36 $\times 10^{-7}$

44.63 10,  $2^+$   $\gamma_0$  44.63 10 ( $\dagger_{\gamma}$ 100) E2

147.45 10,  $4^+$   $\gamma_{45}$  102.822 ( $\dagger_{\gamma}$ 100)

305.80 11,  $6^+$   $\gamma_{147}$  158.352 ( $\dagger_{\gamma}$ 100) E2

515.72,  $8^+$   $\gamma_{306}$  209.92 ( $\dagger_{\gamma}$ 100) E2

773.53,  $10^+$   $\gamma_{516}$  257.82 ( $\dagger_{\gamma}$ 100)

1074.34,  $12^+$   $\gamma_{774}$  300.82 ( $\dagger_{\gamma}$ 100)

1413.64,  $14^+$   $\gamma_{1074}$  339.32 ( $\dagger_{\gamma}$ 100)

1786.05,  $16^+$   $\gamma_{1414}$  372.43 ( $\dagger_{\gamma}$ 100)

A  $\approx$ 3000, ( $0^+$ ), 37.4 ps, %SF $\leq$ 100

A 4000 200, 34.8 ns, %SF $\leq$ 100

