



A=163
NDS 56, 313(1989)

S_n(5100)

$^{163}_{61}\text{Pm}$

Q_{β^-} (7600)

S_p(11900)

S_n(4200)

$^{163}_{62}\text{Sm}$

Q_{β^-} (5700)

S_p(9200)

S_n(6100)

$^{163}_{63}\text{Eu}$

Q_{β^-} (4900)

S_p(10100)

S_n(5300)

$(5/2^-)$ 68 s
 $^{163}_{64}\text{Gd}$ β^-

Q_{β^-} (3100)

$3/2^+$ 19.5 m
 $^{163}_{65}\text{Tb}$ β^-

Q_{β^-} 1785

Evaluator: T.W. Burrows

$5/2^-$
 $^{163}_{66}\text{Dy}$

$7/2^-$ 0
 $^{163}_{67}\text{Ho}$ β^-

Q_{EC} 2.565

$(7/2^-)$ 19.9 s
 $^{167}_{74}\text{W}$ α
 Q_{α} 4670

6.1 s
 $^{167}_{75}\text{Re}$ α ~0.7%
 Q_{α} (5260)

0.83 s
 $^{167}_{76}\text{Os}$ α 67%
 Q_{α} 5980

>5 ms
 $^{167}_{77}\text{Ir}$ α
 Q_{α} 6490

S_n(9700)

S_p(1400)

$^{163}_{76}\text{Os}$ α
EC

Q_{EC} (9400)
 Q_{α} 6670

S_n(8800)

260 ms
 $^{163}_{75}\text{Re}$ α 64%
EC 36%

Q_{EC} (8800)
 Q_{α} 6010
 Q_{β^-} 750

S_n(10710)

S_p(2300)

2.75 s
 $^{163}_{74}\text{W}$ α 41%
EC 59%

Q_{EC} (7700)
 Q_{α} 5520

S_n(8200)

S_p660

10.6 s
 $^{163}_{73}\text{Ta}$ α ~0.2%
EC ~99.8%

Q_{EC} (6800)
 Q_{α} 4750

S_p(3700)

40.0 s
 $^{163}_{72}\text{Hf}$ α
EC

Q_{EC} (5500)

S_n(10000)

S_n(7590)

S_p(2200)

S_p5150

$(1/2^-)$ 238 s
 $^{163}_{71}\text{Lu}$ α
EC

Q_{EC} 4600

$3/2^-$ 11.05 m
 $^{163}_{70}\text{Yb}$ α
EC

Q_{EC} 3370

$1/2^+$ 1.810 h
 $^{163}_{69}\text{Tm}$ α
EC

Q_{EC} 2439

$5/2^-$ 75.0 m
 $^{163}_{68}\text{Er}$ α
EC

1.09 s Q_{EC} 1210

$1/2^+$ 297.88
 β^-

$7/2^-$ 0
 $^{163}_{67}\text{Ho}$ β^-

Q_{EC} 2.565