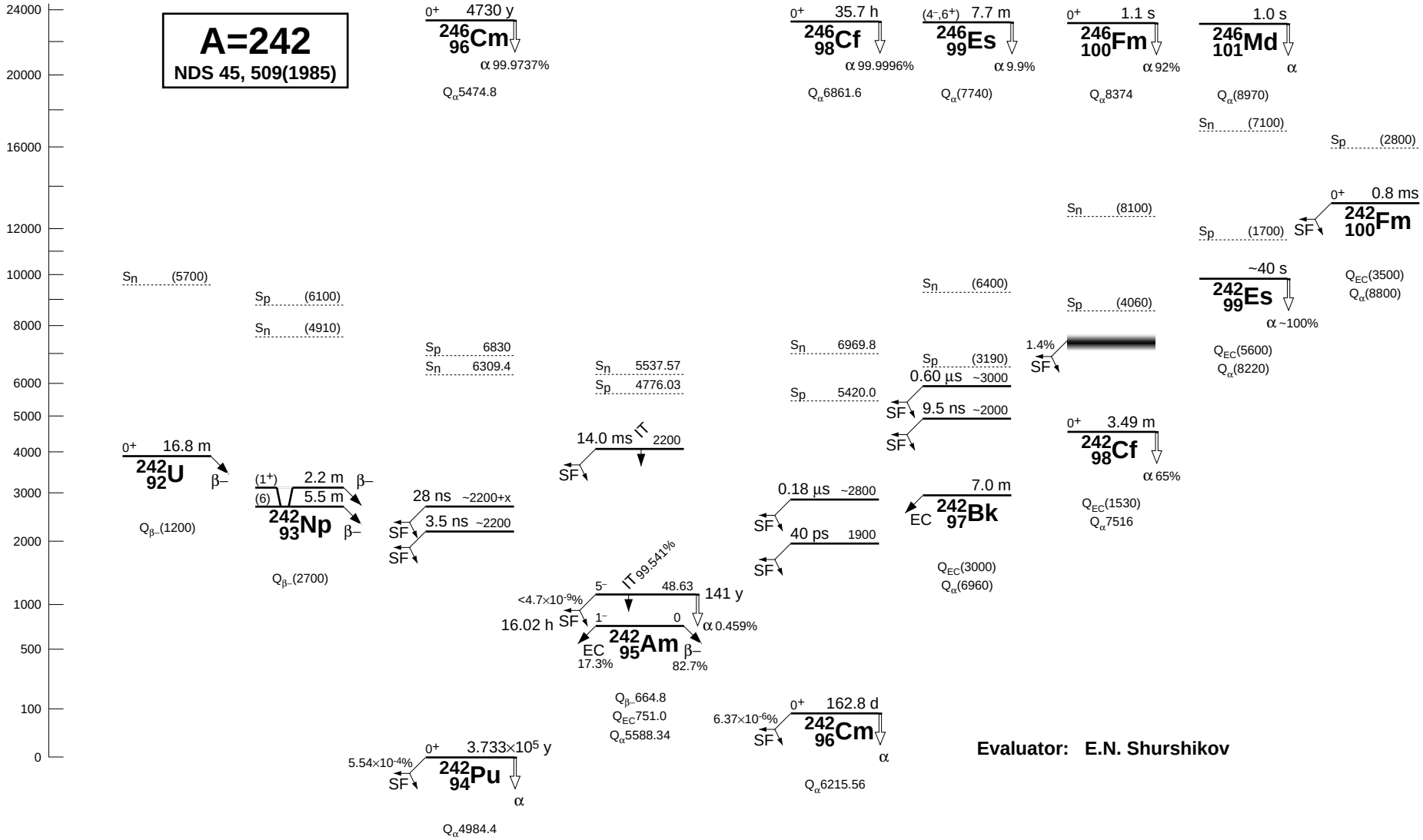
A=242
NDS 45, 509(1985)
24000
20000
16000
12000
10000
8000
6000
5000
4000
3000
2000
1000
500
100
0
0+ 4730 y
246 96 Cm
α 99.9737%
Qα5474.8
0+ 35.7 h
246 98 Cf
α 99.9996%
Qα6861.6
(4−,6+) 7.7 m
246 99 Es
α 9.9%
Qα(7740)
0+ 1.1 s
246 100 Fm
α 92%
Qα8374
1.0 s
246 101 Md
α
Qα(8970)
Sn (7100)
Sp (2800)
0+ 0.8 ms
242 100 Fm
Sn (8100)
Sp (1700)
SF
~40 s
242 99 Es
α ~100%
QEC(3500)
Qα(8800)
QEC(5600)
Qα(8220)
Sn (5700)
Sp (6100)
Sn (4910)
Sp 6830
Sn 6309.4
Sn 5537.57
Sp 4776.03
Sn 6969.8
Sp 5420.0
Sn (6400)
Sp (3190)
Sp (4060)
1.4%
SF
0.60 μs ~3000
9.5 ns ~2000
0+ 16.8 m
242 92 U
β−
Qβ−(1200)
(1+) 2.2 m
(6) 5.5 m
242 93 Np
β−
Qβ−(2700)
28 ns ~2200+x
3.5 ns ~2200
14.0 ms IT 2200
0.18 μs ~2800
40 ps 1900
7.0 m
EC
242 97 Bk
QEC(3000)
Qα(6960)
0+ 3.49 m
242 98 Cf
α 65%
QEC(1530)
Qα7516
IT 99.541%
5− 48.63
141 y
<4.7×10-9%
16.02 h
1− 0
α 0.459%
EC 17.3%
242 95 Am
β− 82.7%
Qβ−664.8
QEC751.0
Qα5588.34
0+ 162.8 d
6.37×10-6%
242 96 Cm
α
Qα6215.56
0+ 3.733×10^5 y
5.54×10-4%
242 94 Pu
α
Qα4984.4
Evaluator: E.N. Shurshikov