

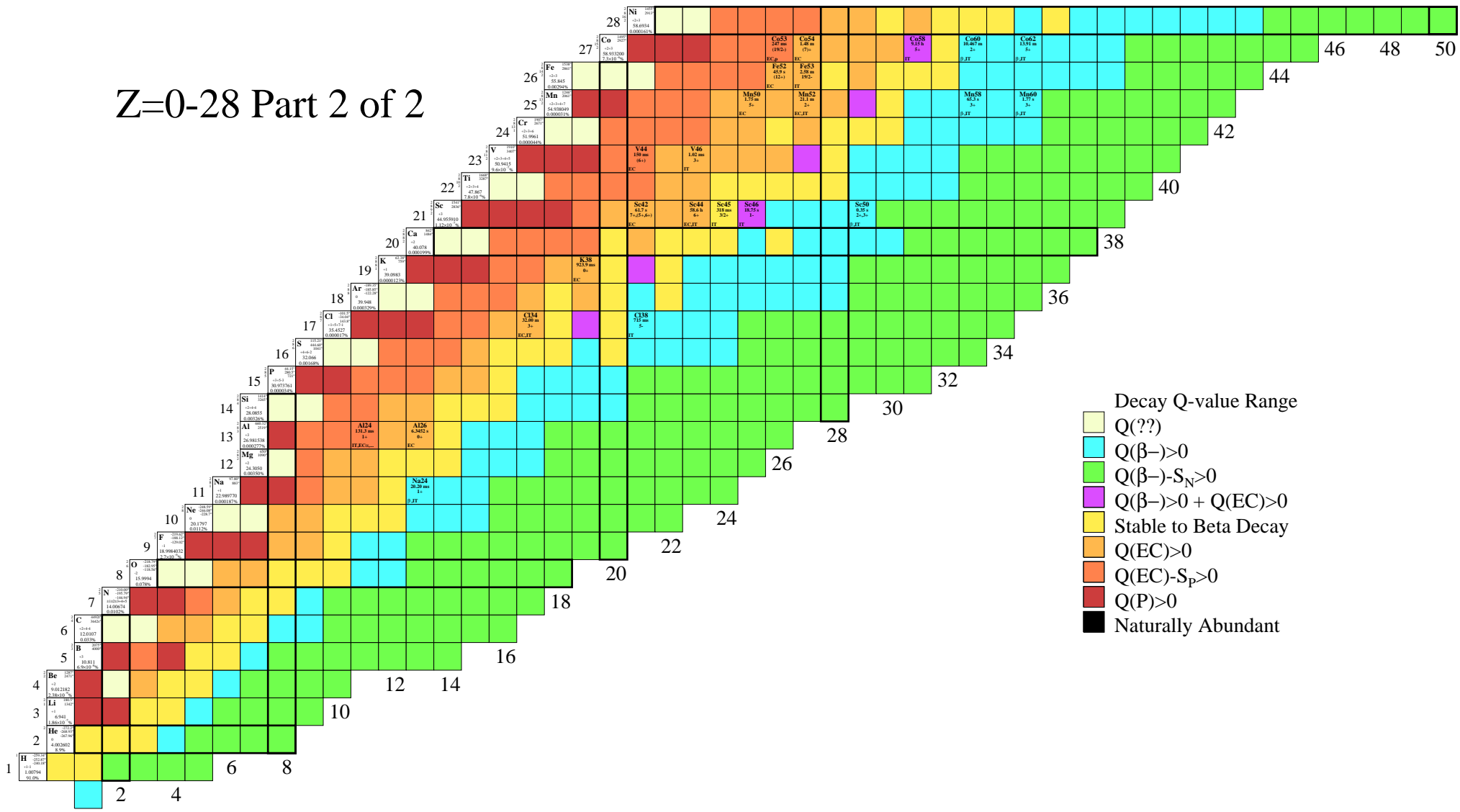
Table of Isotopes (1998)

Z=0-28 Part 1 of 2

The table displays isotopes for atomic numbers Z=0 to 28. Each cell contains the element symbol, isotope symbol (e.g., ^AX), half-life, spin, and parity. The color of the cell indicates the decay Q-value range, as defined in the legend.

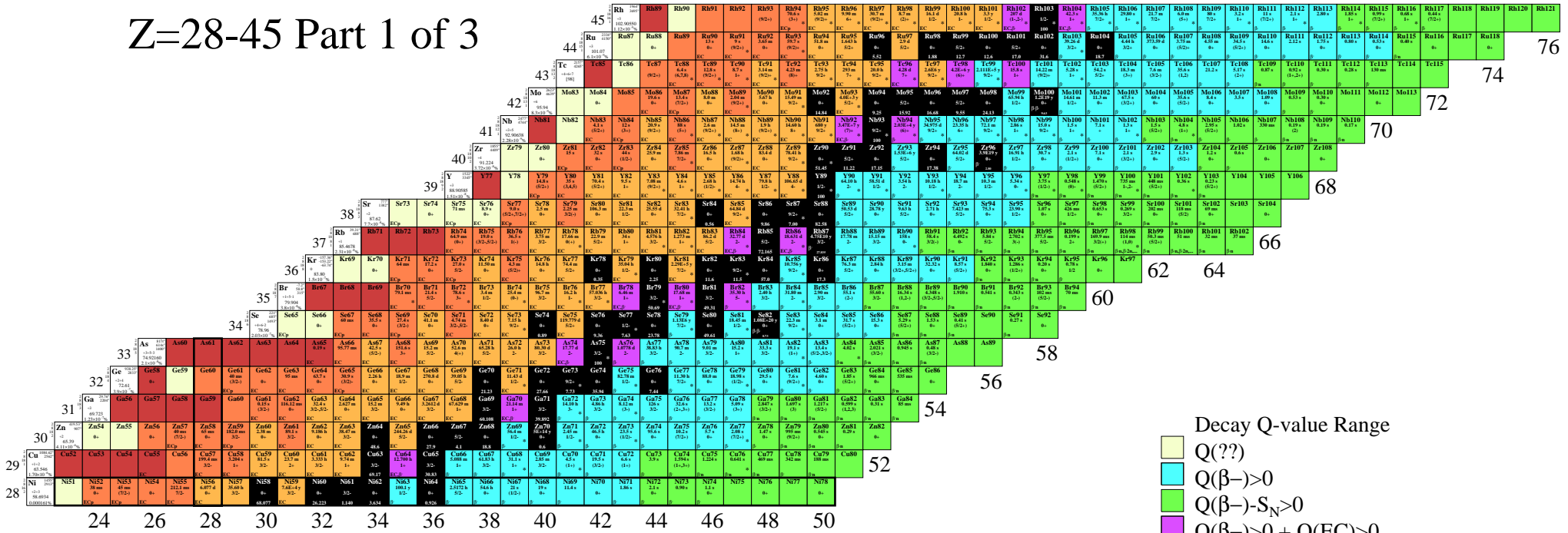
- Decay Q-value Range
- Q(??)
 - Q(β^-)>0
 - Q(β^-)- S_N >0
 - Q(β^-)>0 + Q(EC)>0
 - Stable to Beta Decay
 - Q(EC)>0
 - Q(EC)- S_p >0
 - Q(P)>0
 - Naturally Abundant

Z=0-28 Part 2 of 2



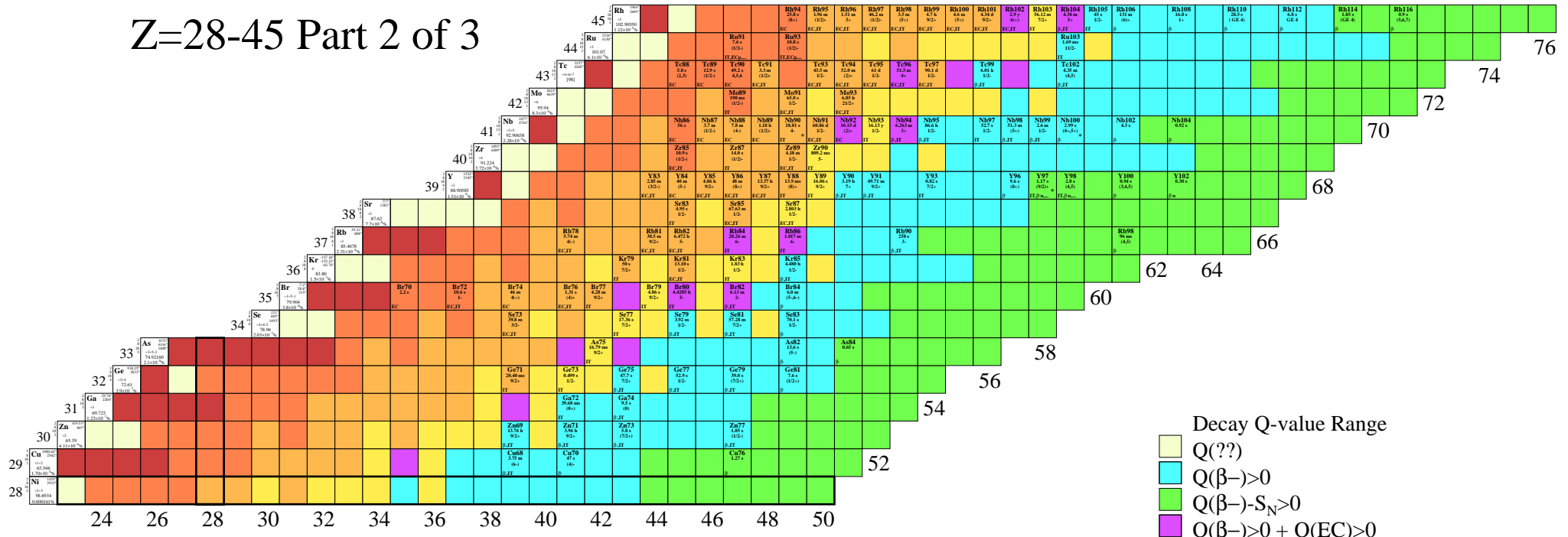
- Decay Q-value Range
- Q(??)
 - Q(β^-)>0
 - Q(β^-)- S_N >0
 - Q(β^-)>0 + Q(EC)>0
 - Stable to Beta Decay
 - Q(EC)>0
 - Q(EC)- S_p >0
 - Q(P)>0
 - Naturally Abundant

Z=28-45 Part 1 of 3



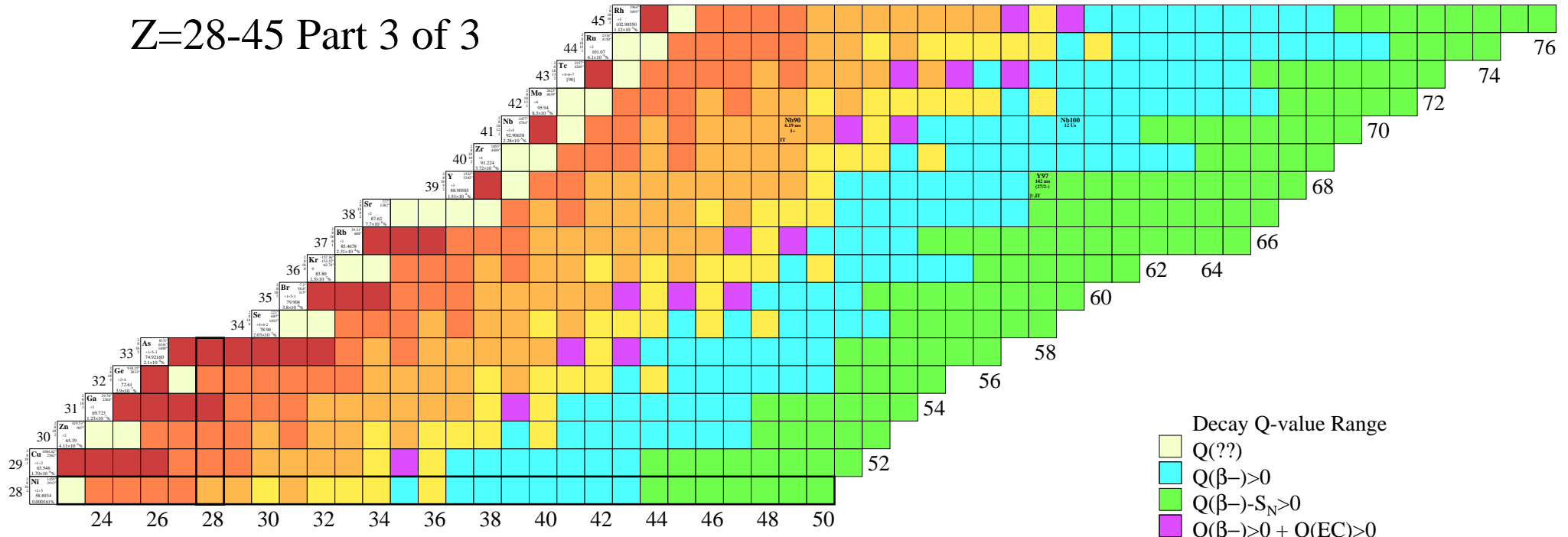
- Decay Q-value Range
- Q(??)
 - $Q(\beta^-) > 0$
 - $Q(\beta^-) - S_N > 0$
 - $Q(\beta^-) > 0 + Q(EC) > 0$
 - Stable to Beta Decay
 - $Q(EC) > 0$
 - $Q(EC) - S_p > 0$
 - $Q(P) > 0$
 - Naturally Abundant

Z=28-45 Part 2 of 3



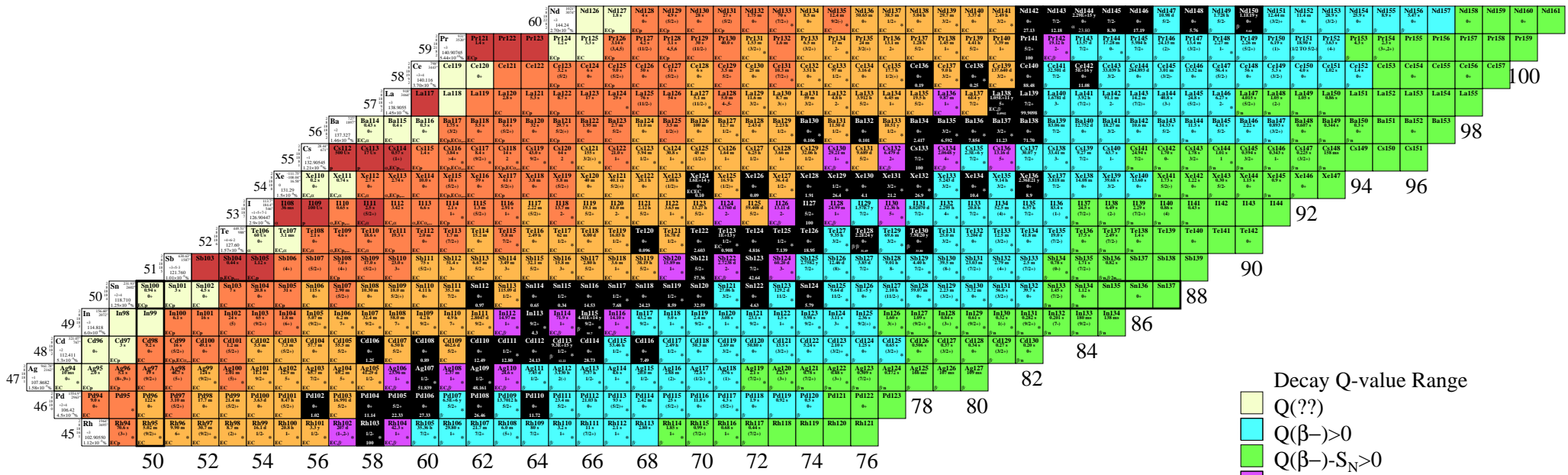
- Decay Q-value Range
- Q(??)
 - $Q(\beta^-) > 0$
 - $Q(\beta^-) - S_N > 0$
 - $Q(\beta^-) > 0 + Q(EC) > 0$
 - Stable to Beta Decay
 - $Q(EC) > 0$
 - $Q(EC) - S_p > 0$
 - $Q(P) > 0$
 - Naturally Abundant

Z=28-45 Part 3 of 3



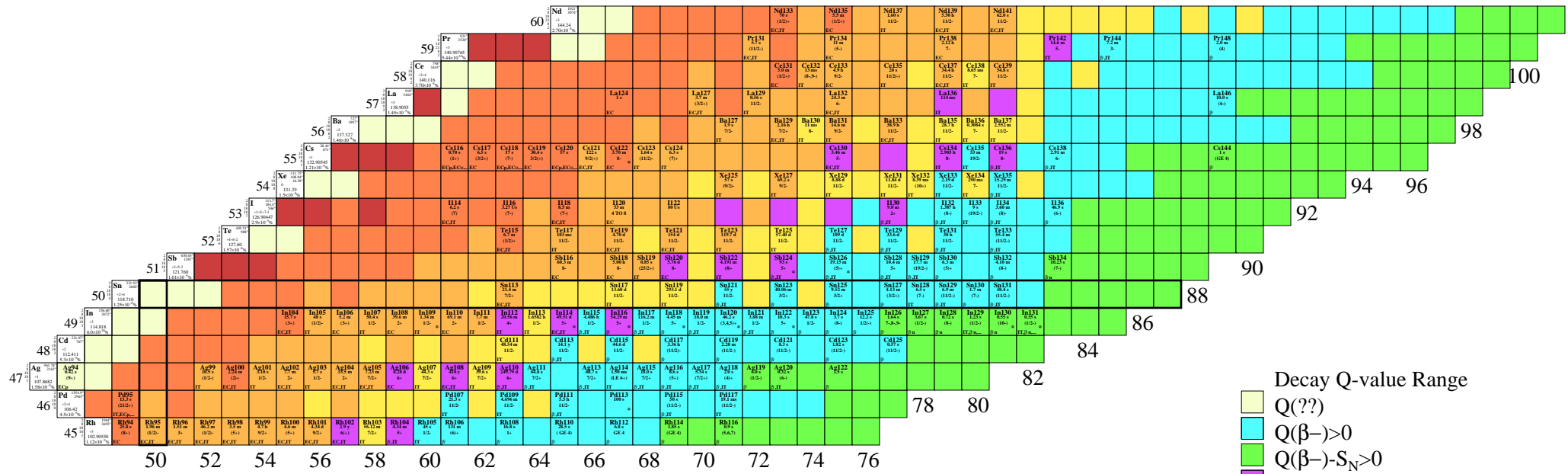
- Decay Q-value Range
- $Q(??)$
 - $Q(\beta^-) > 0$
 - $Q(\beta^-) - S_N > 0$
 - $Q(\beta^-) > 0 + Q(EC) > 0$
 - Stable to Beta Decay
 - $Q(EC) > 0$
 - $Q(EC) - S_p > 0$
 - $Q(P) > 0$
 - Naturally Abundant

Z=45-60 Part 1 of 3



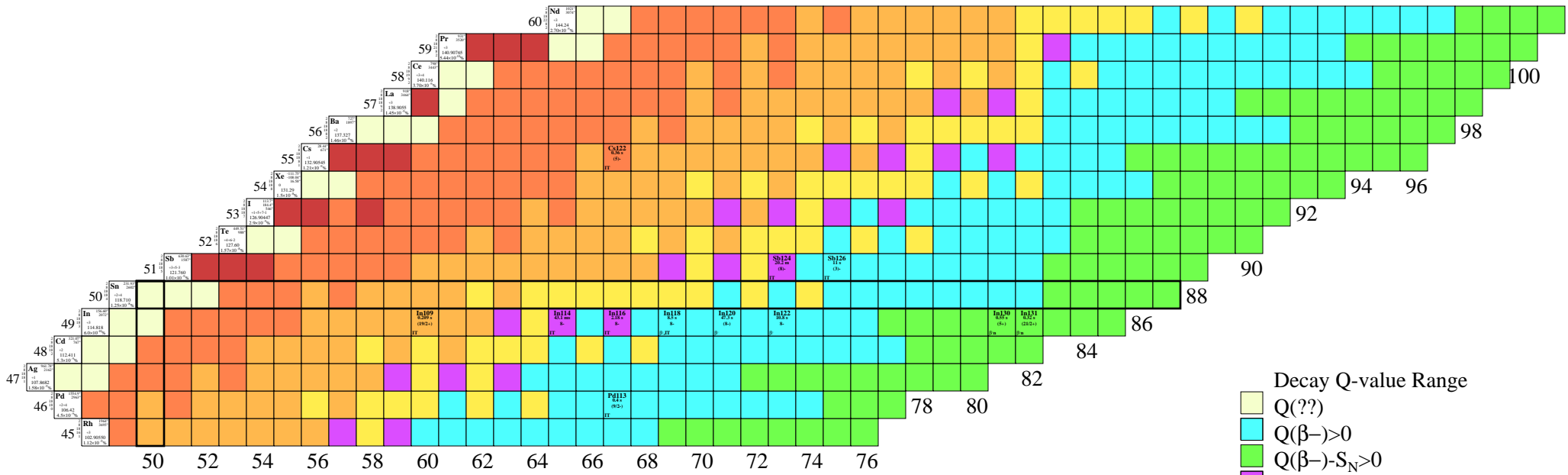
- Decay Q-value Range
- Q(?)
 - $Q(\beta^-) > 0$
 - $Q(\beta^-) - S_N > 0$
 - $Q(\beta^-) > 0 + Q(EC) > 0$
 - Stable to Beta Decay
 - $Q(EC) > 0$
 - $Q(EC) - S_p > 0$
 - $Q(P) > 0$
 - Naturally Abundant

Z=45-60 Part 2 of 3



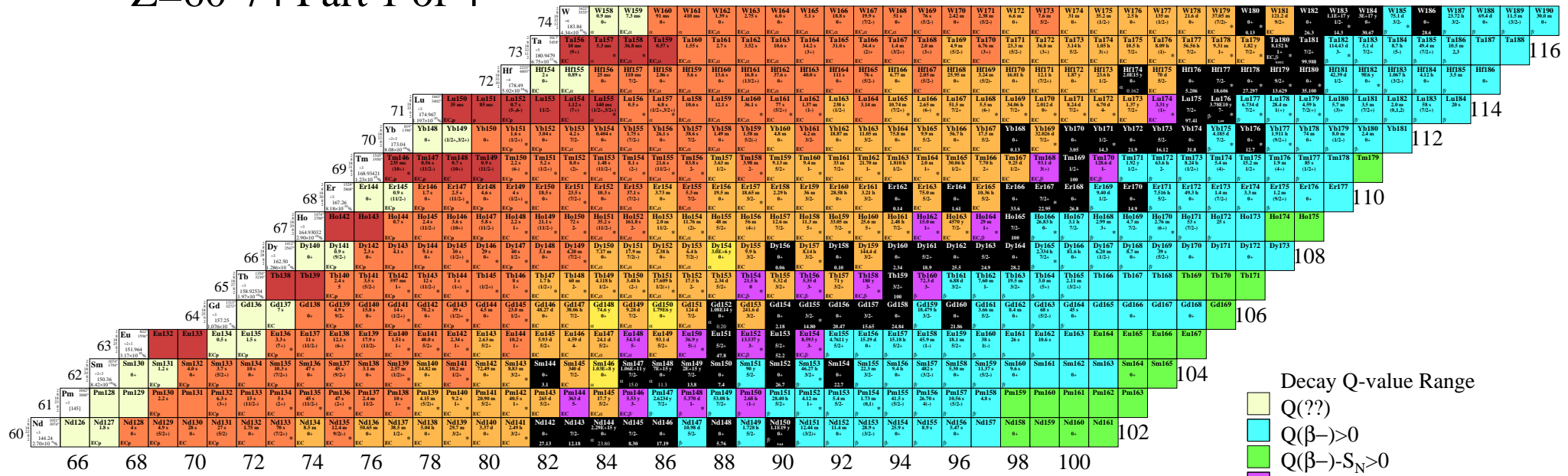
- Decay Q-value Range
- Q(??)
 - $Q(\beta^-) > 0$
 - $Q(\beta^-) - S_N > 0$
 - $Q(\beta^-) > 0 + Q(EC) > 0$
 - Stable to Beta Decay
 - $Q(EC) > 0$
 - $Q(EC) - S_p > 0$
 - $Q(P) > 0$
 - Naturally Abundant

Z=45-60 Part 3 of 3



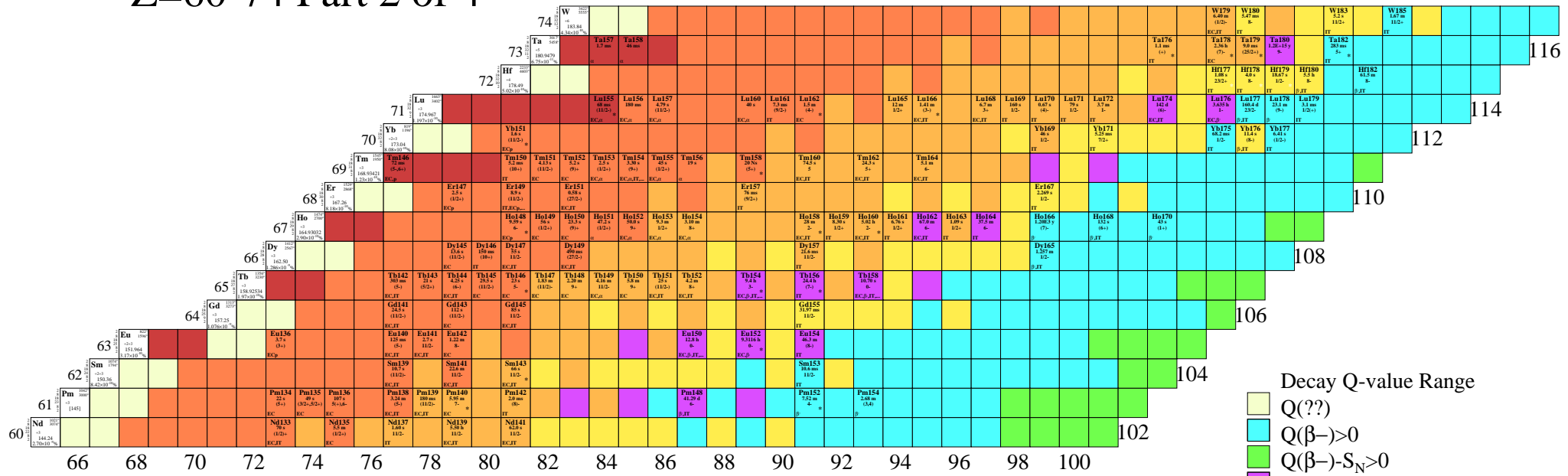
- Decay Q-value Range
- Q(??)
 - $Q(\beta^-) > 0$
 - $Q(\beta^-) - S_N > 0$
 - $Q(\beta^-) > 0 + Q(EC) > 0$
 - Stable to Beta Decay
 - $Q(EC) > 0$
 - $Q(EC) - S_p > 0$
 - $Q(P) > 0$
 - Naturally Abundant

Z=60-74 Part 1 of 4



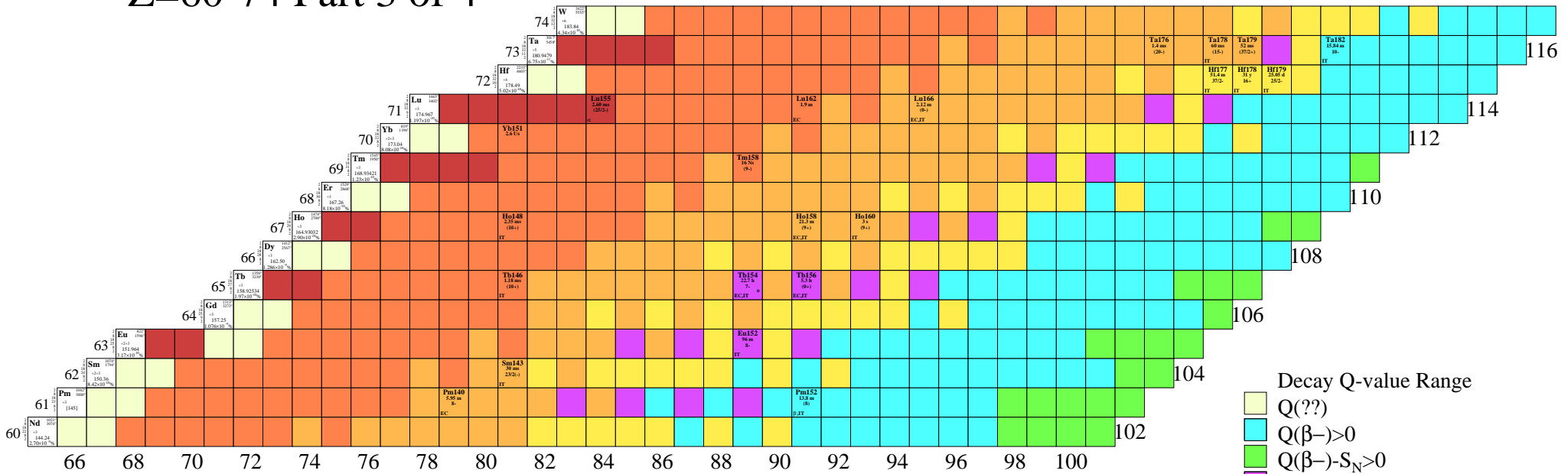
- Decay Q-value Range
- Q(?)
 - $Q(\beta^-) > 0$
 - $Q(\beta^-) - S_N > 0$
 - $Q(\beta^-) > 0 + Q(EC) > 0$
 - Stable to Beta Decay
 - $Q(EC) > 0$
 - $Q(EC) - S_p > 0$
 - $Q(P) > 0$
 - Naturally Abundant

Z=60-74 Part 2 of 4

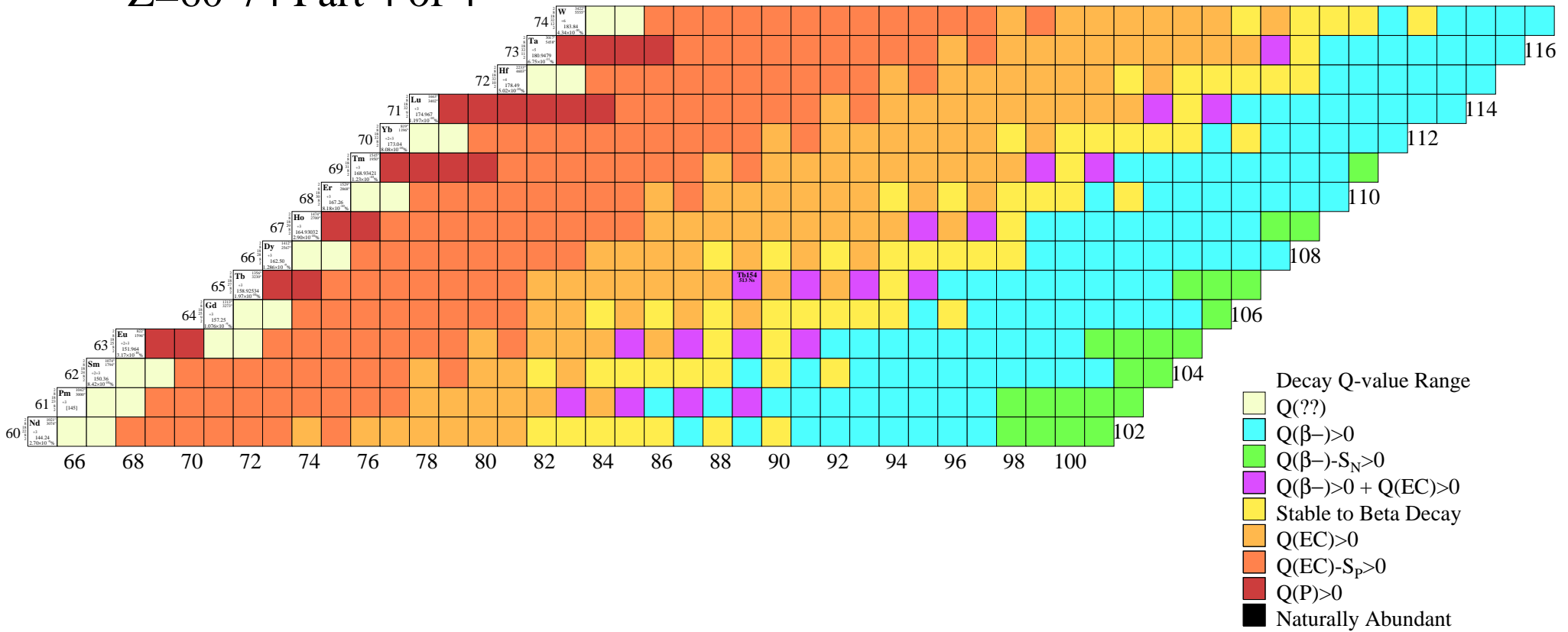


- Decay Q-value Range
- Q(?)
 - $Q(\beta^-) > 0$
 - $Q(\beta^-) - S_N > 0$
 - $Q(\beta^-) > 0 + Q(EC) > 0$
 - Stable to Beta Decay
 - $Q(EC) > 0$
 - $Q(EC) - S_p > 0$
 - $Q(P) > 0$
 - Naturally Abundant

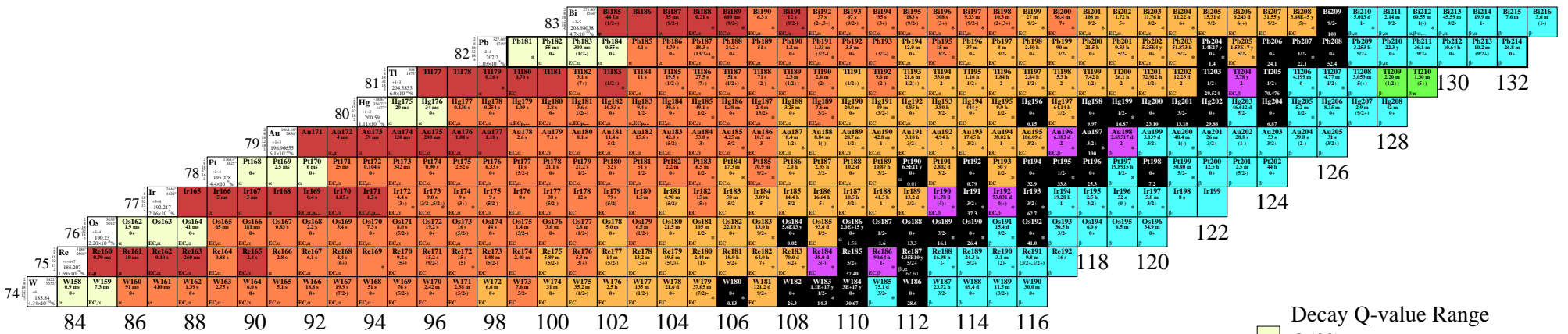
Z=60-74 Part 3 of 4



Z=60-74 Part 4 of 4

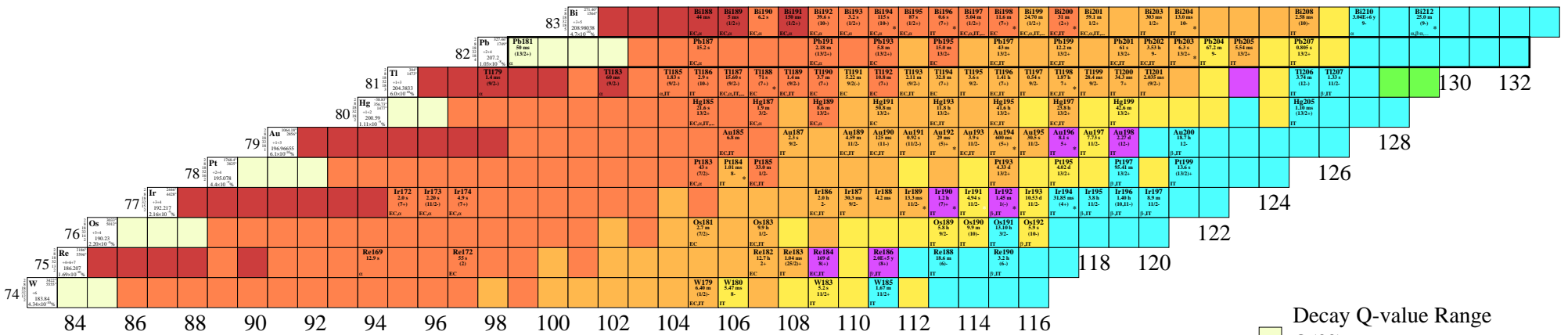


Z=74-83 Part 1 of 3

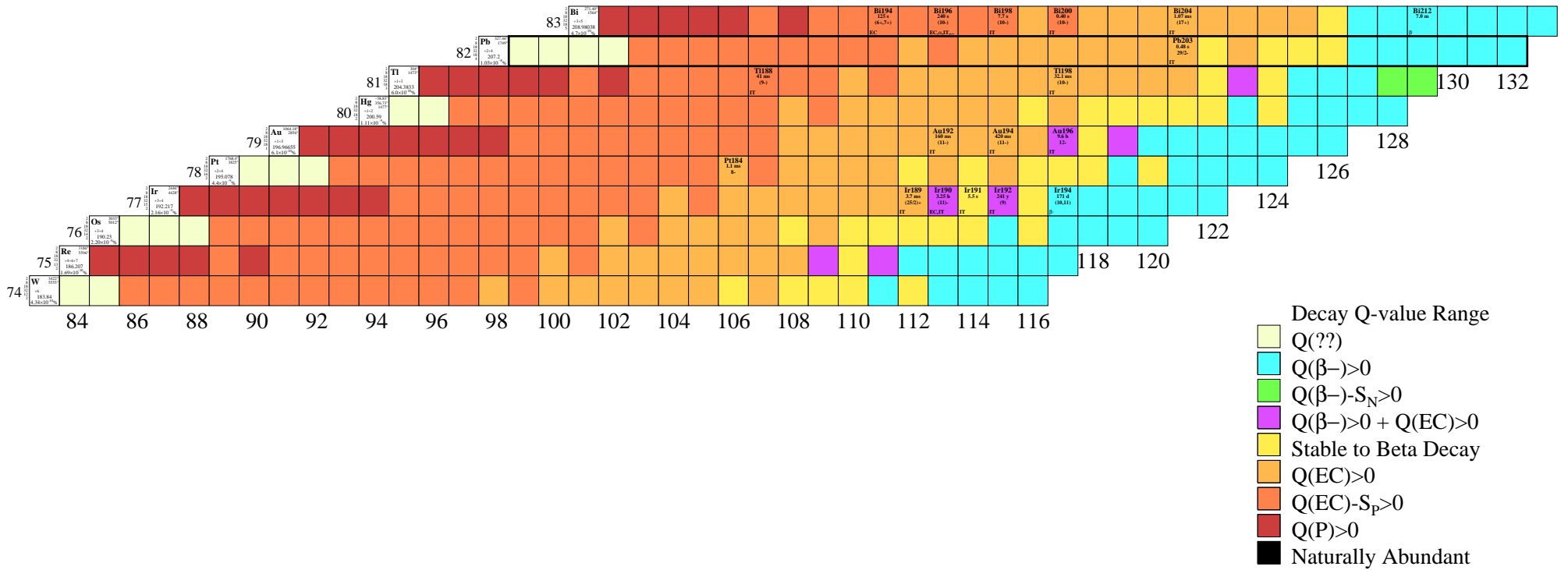


- Decay Q-value Range
- Q(?)
 - $Q(\beta^-) > 0$
 - $Q(\beta^-) - S_N > 0$
 - $Q(\beta^-) > 0 + Q(EC) > 0$
 - Stable to Beta Decay
 - $Q(EC) > 0$
 - $Q(EC) - S_p > 0$
 - $Q(P) > 0$
 - Naturally Abundant

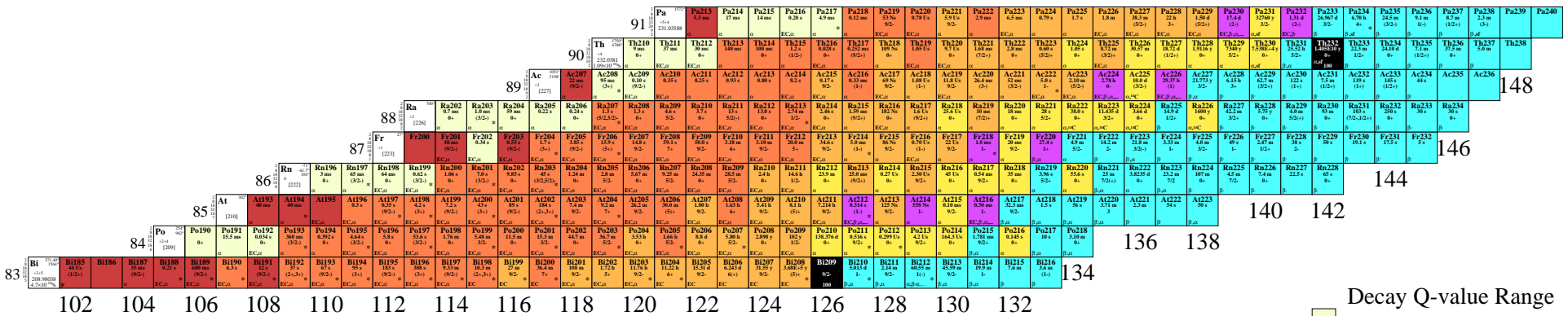
Z=74-83 Part 2 of 3



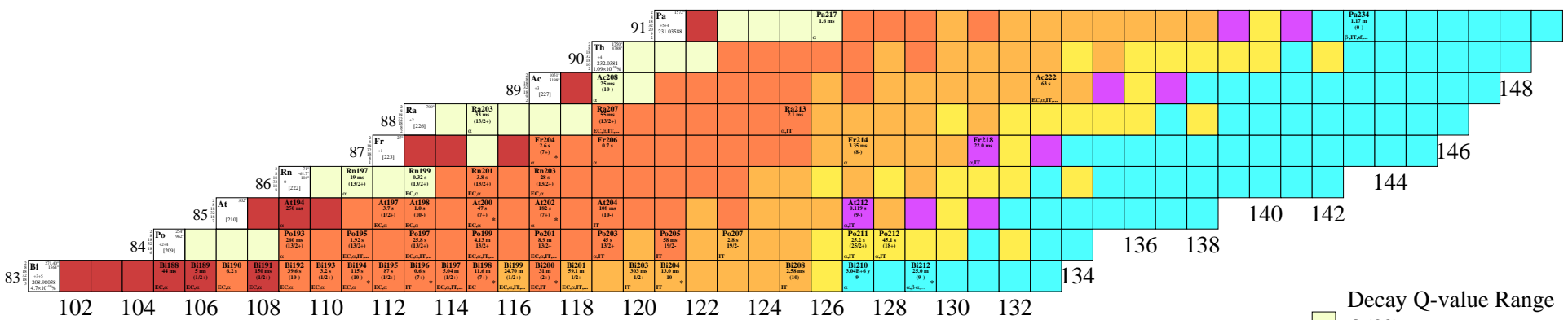
Z=74-83 Part 3 of 3



Z=83-91 Part 1 of 3

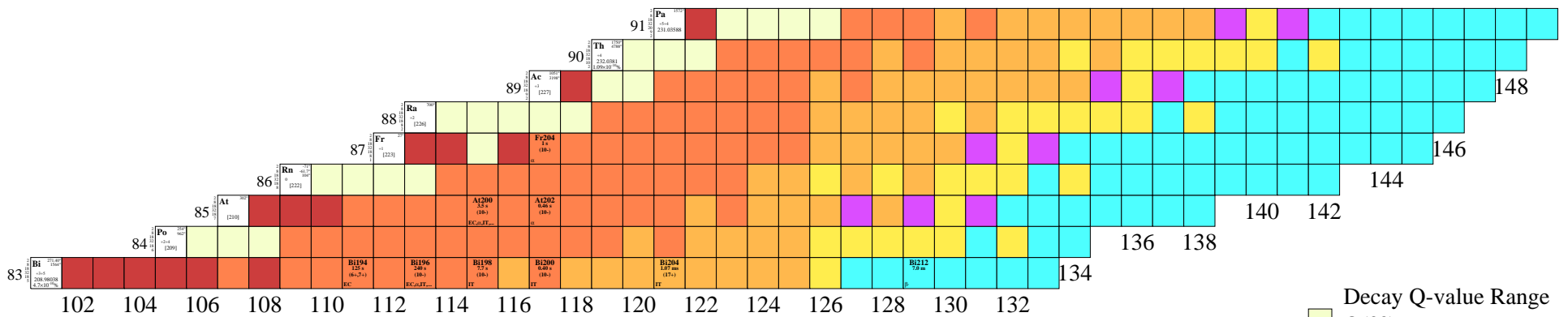


Z=83-91 Part 2 of 3



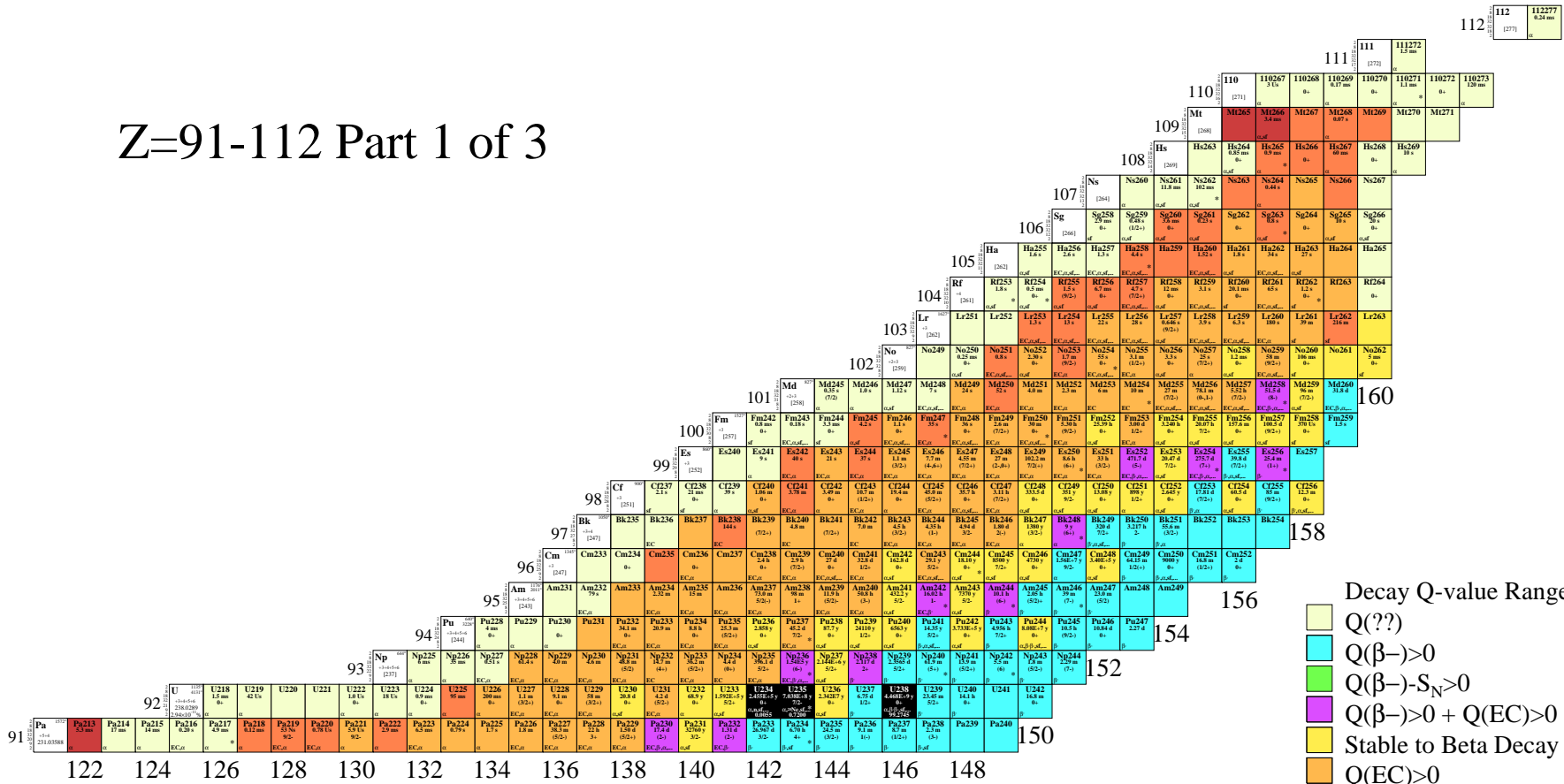
- Decay Q-value Range
- Q(?)
 - $Q(\beta^-) > 0$
 - $Q(\beta^-) - S_N > 0$
 - $Q(\beta^-) > 0 + Q(EC) > 0$
 - Stable to Beta Decay
 - $Q(EC) > 0$
 - $Q(EC) - S_p > 0$
 - $Q(P) > 0$
 - Naturally Abundant

Z=83-91 Part 3 of 3



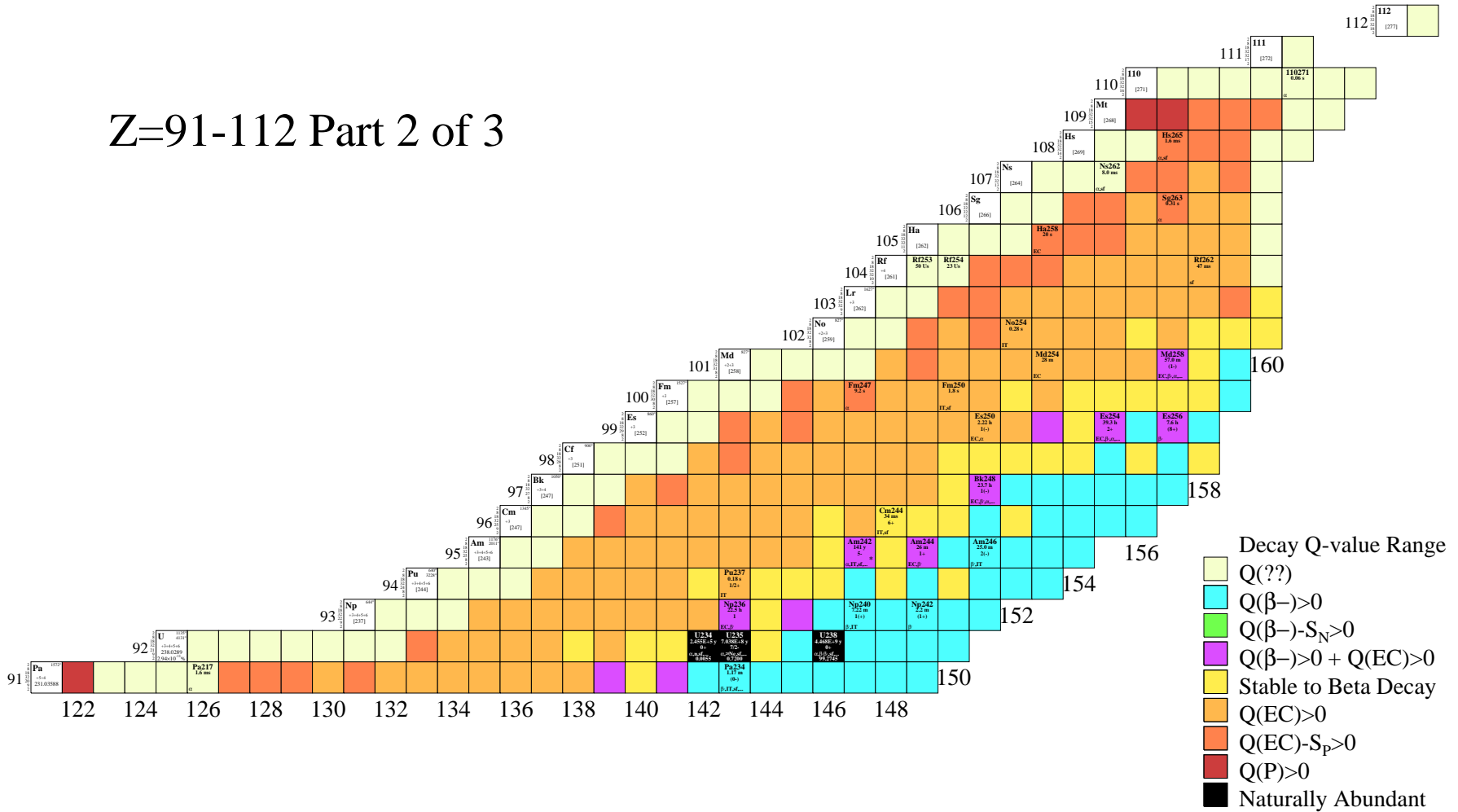
- Decay Q-value Range
- Q(??)
 - Q(β⁻)>0
 - Q(β⁻)-S_N>0
 - Q(β⁻)>0 + Q(EC)>0
 - Stable to Beta Decay
 - Q(EC)>0
 - Q(EC)-S_p>0
 - Q(P)>0
 - Naturally Abundant

Z=91-112 Part 1 of 3



- Decay Q-value Range
- Q(?)
 - $Q(\beta^-) > 0$
 - $Q(\beta^-) - S_N > 0$
 - $Q(\beta^-) > 0 + Q(EC) > 0$
 - Stable to Beta Decay
 - $Q(EC) > 0$
 - $Q(EC) - S_p > 0$
 - $Q(P) > 0$
 - Naturally Abundant

Z=91-112 Part 2 of 3



Z=91-112 Part 3 of 3

