Z=83-91 Part 1 of 3
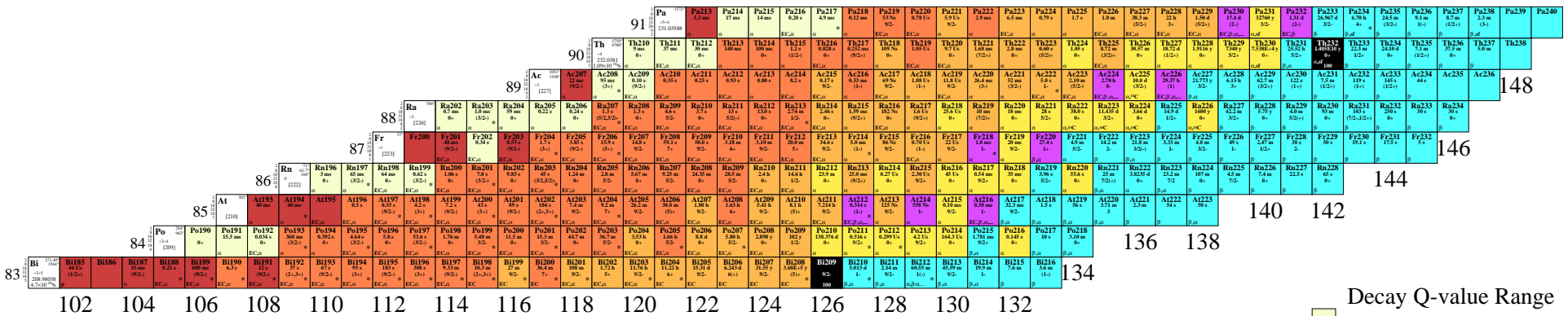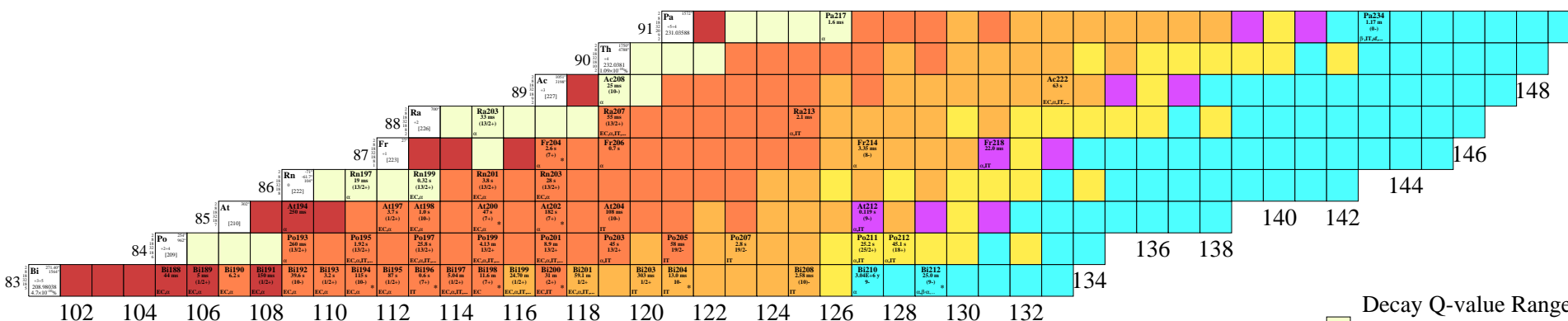
Decay Q-value Range

- 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

Element rows (left labels): Pa 91, Th 90, Ac 89, Ra 88, Fr 87, Rn 86, At 85, Po 84, Bi 83

Neutron number axis: 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148

Z=83-91 Part 2 of 3

Chart of nuclides for Z=83–91 (Part 2 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=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