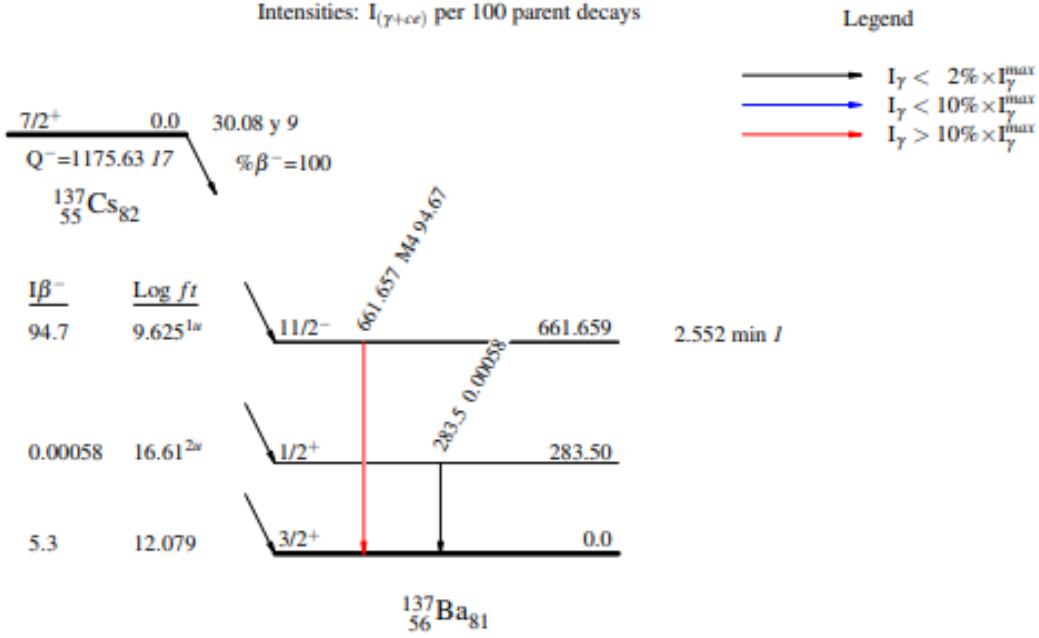
Observing the excited states of nuclei using gamma-ray spectrometers

THE FLORIDA STATE UNIVERSITY

^{137}Cs β^- decay 1983Be18,1996Bi23,1997WaZZ

Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

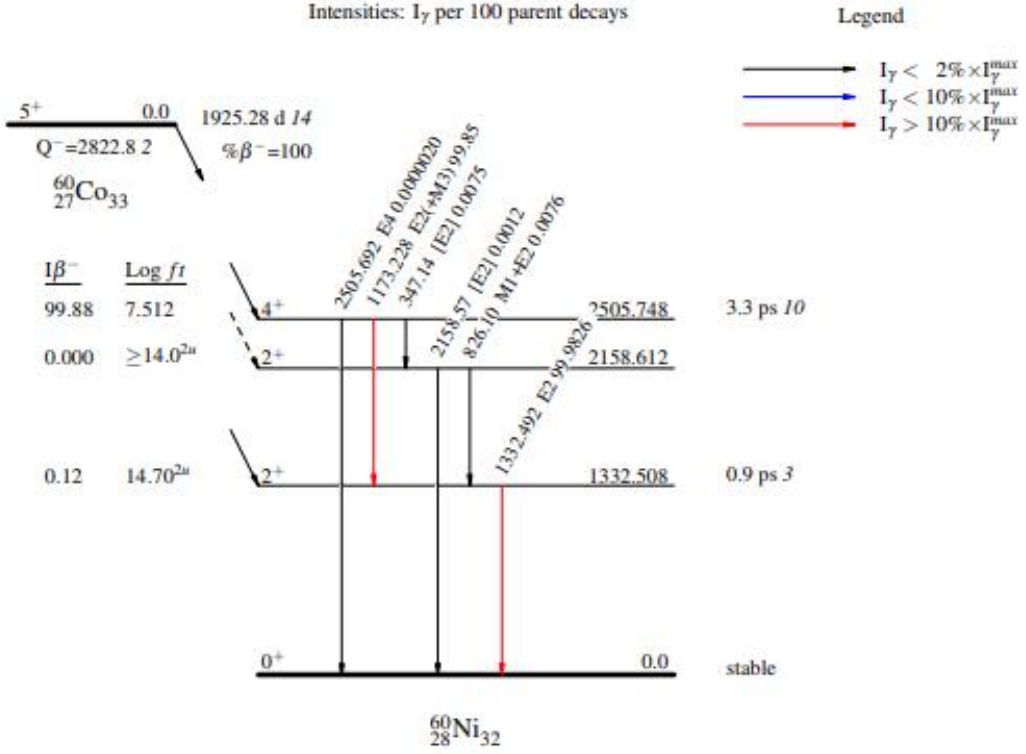


THE FLORIDA STATE UNIVERSITY

^{60}Co β^- decay (1925.28 d)

Decay Scheme

Intensities: I_γ per 100 parent decays

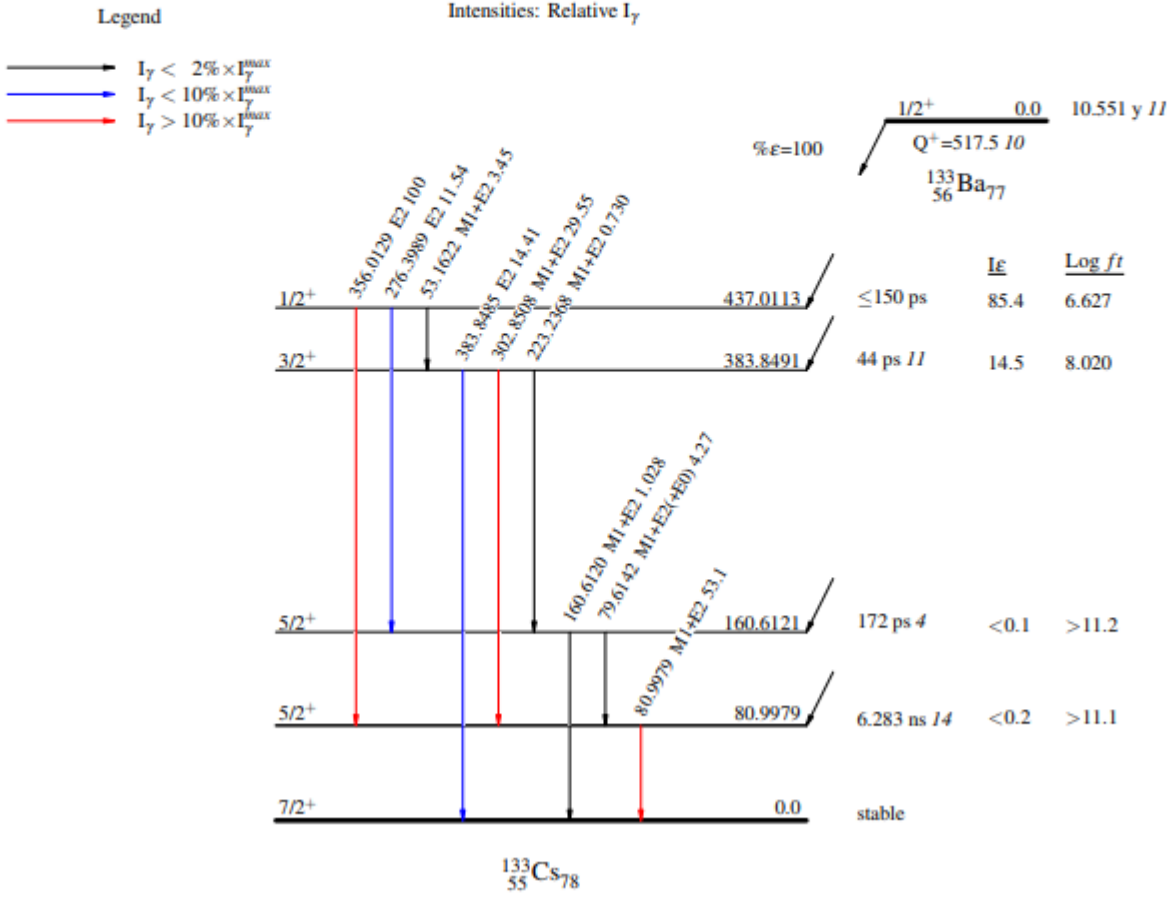


THE FLORIDA STATE UNIVERSITY

^{133}Ba ε decay (10.551 y)

Decay Scheme

Intensities: Relative I_γ

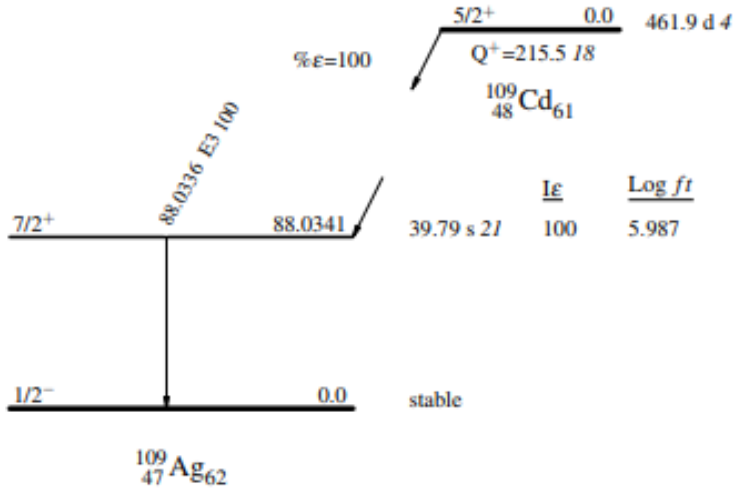


THE FLORIDA STATE UNIVERSITY

^{109}Cd ε decay

Decay Scheme

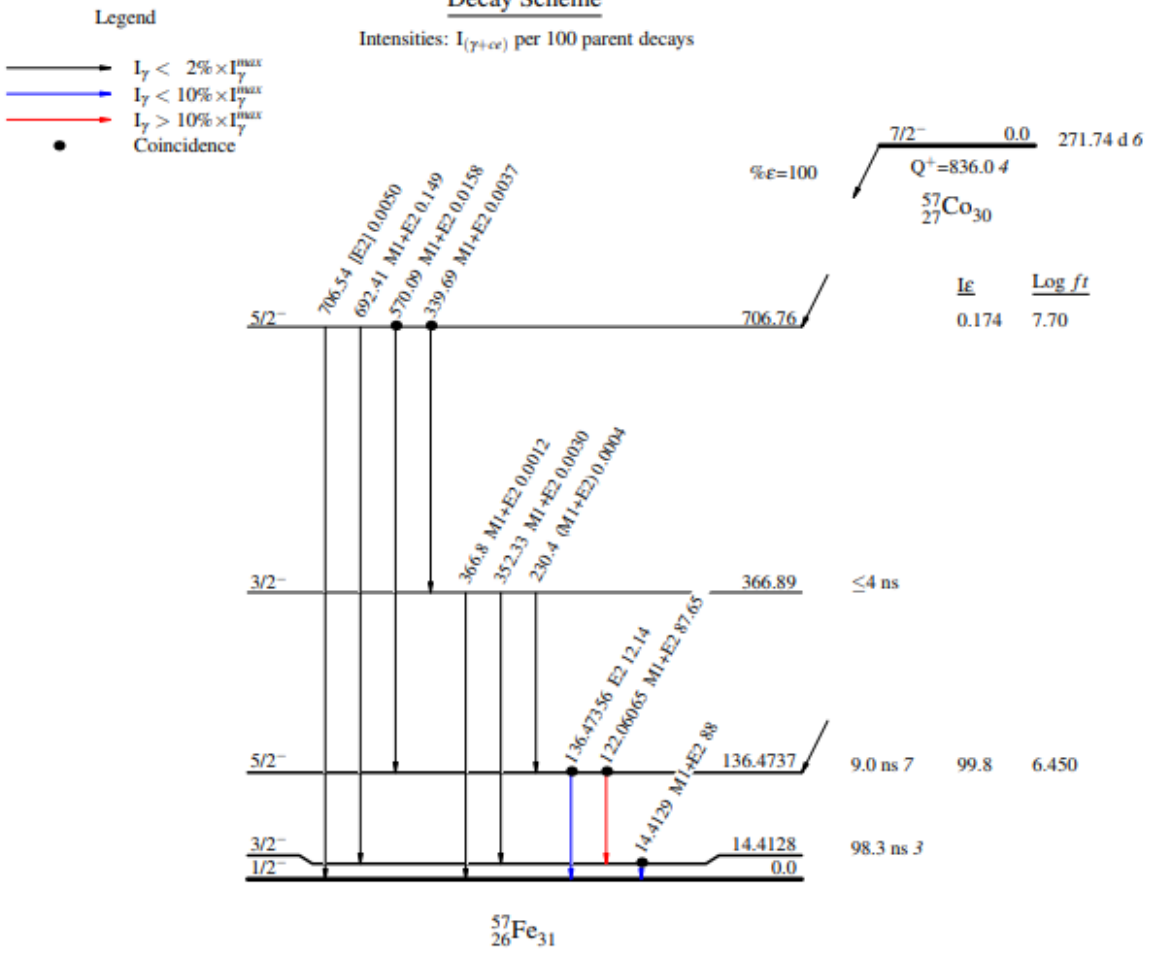
Intensities: $I_{(\gamma+ce)}$ per 100 parent decays



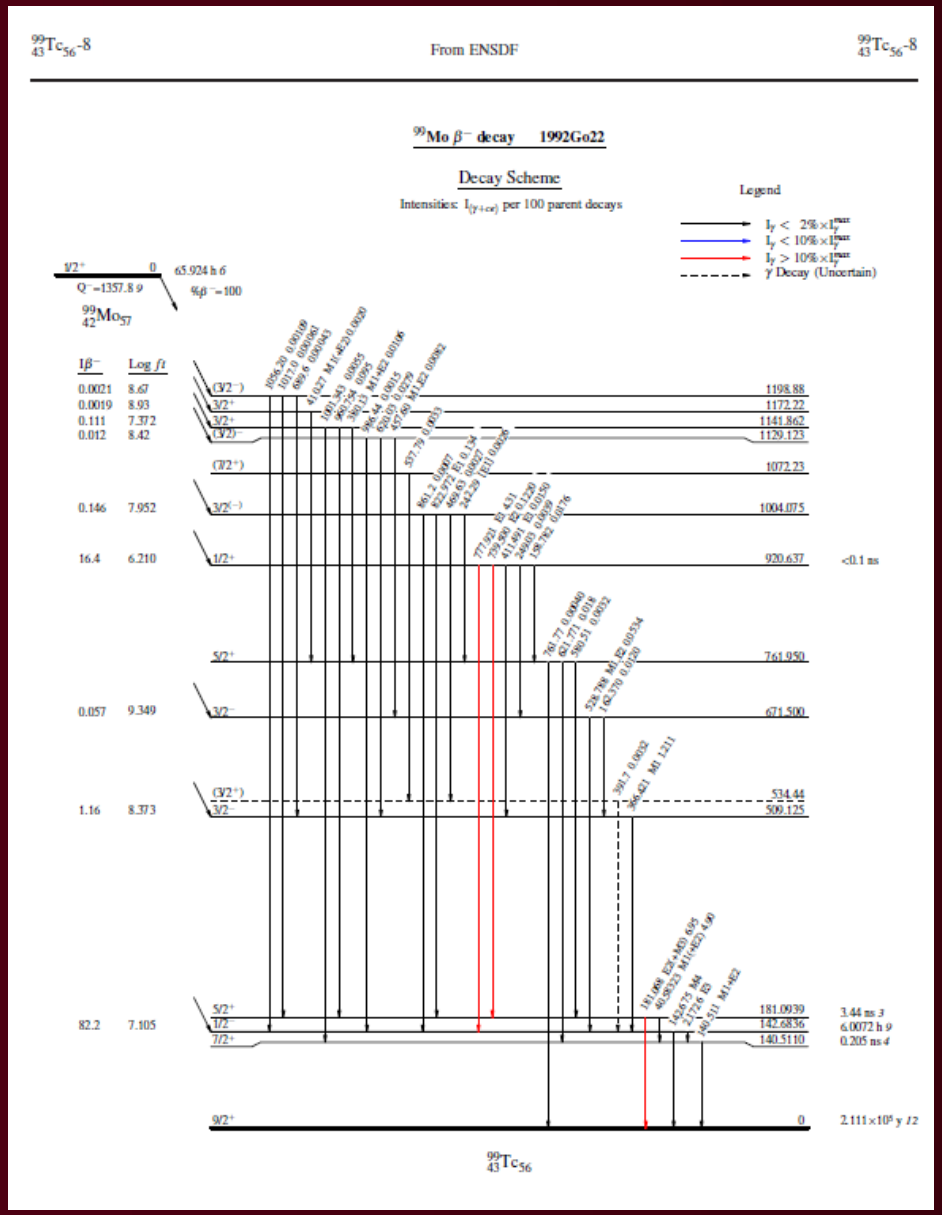
^{57}Co ε decay 1991BaZS,1997HeZZ

Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays



THE FLORIDA STATE UNIVERSITY

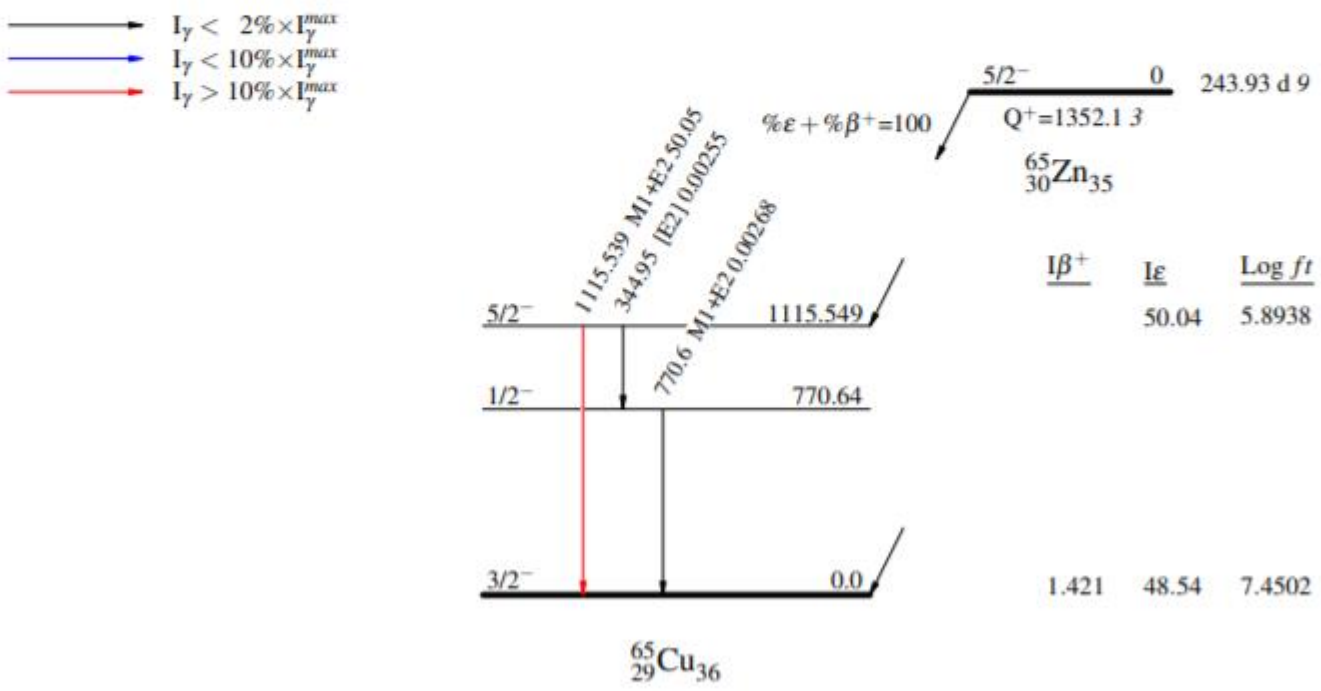


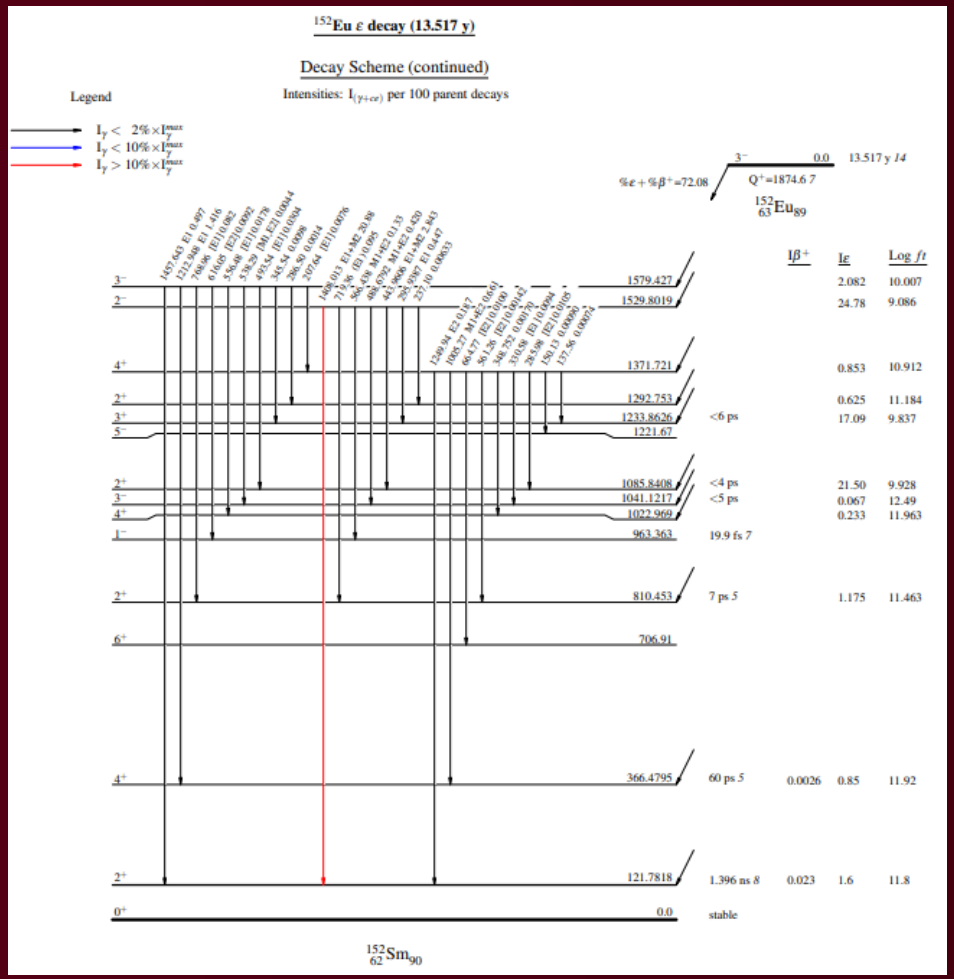
THE FLORIDA STATE UNIVERSITY

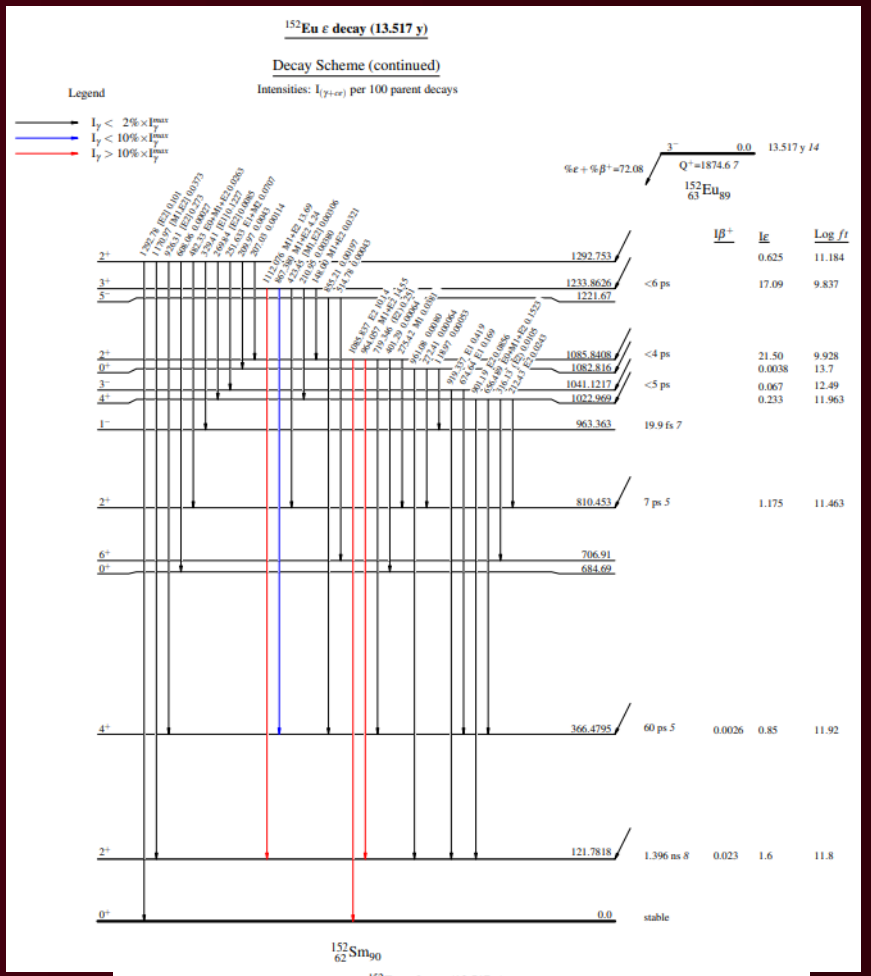
^{65}Zn ε decay

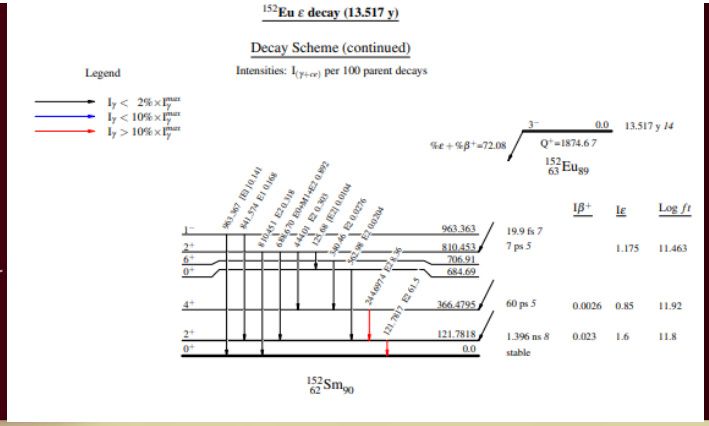
Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays







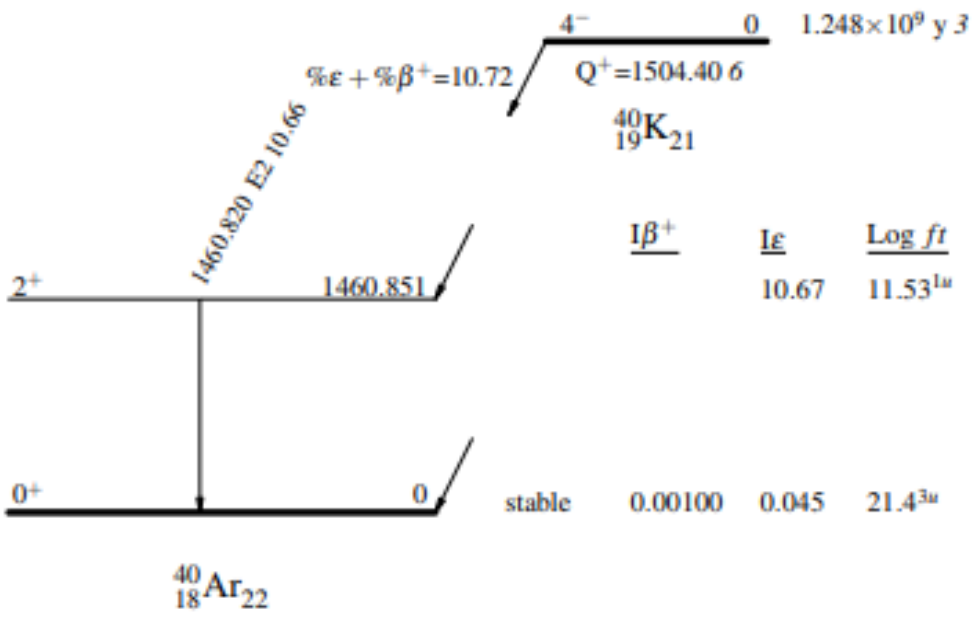


THE FLORIDA STATE UNIVERSITY

^{40}K ε decay (1.248×10^{9} y) 1999BeZQ,1999BeZS

Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

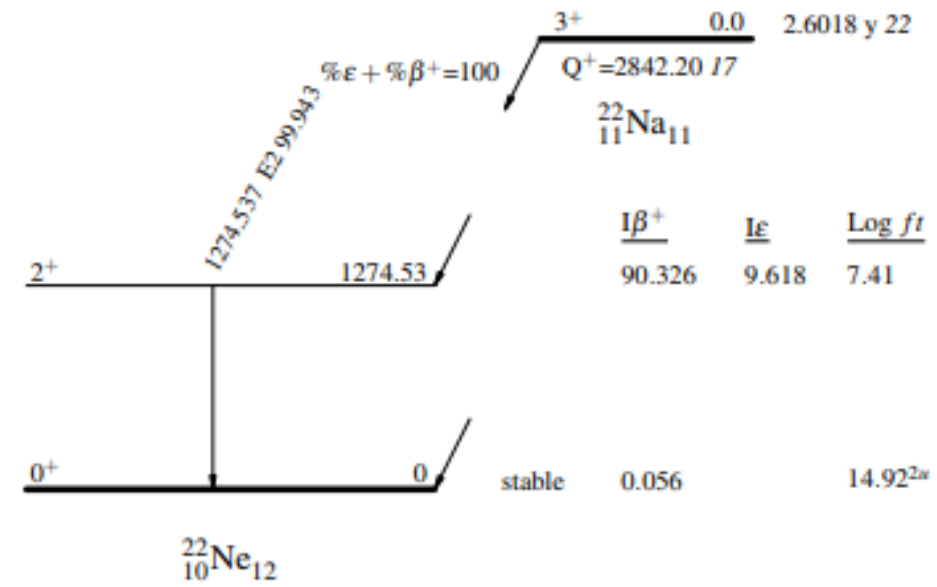


THE FLORIDA STATE UNIVERSITY

^{22}Na β^+ decay

Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

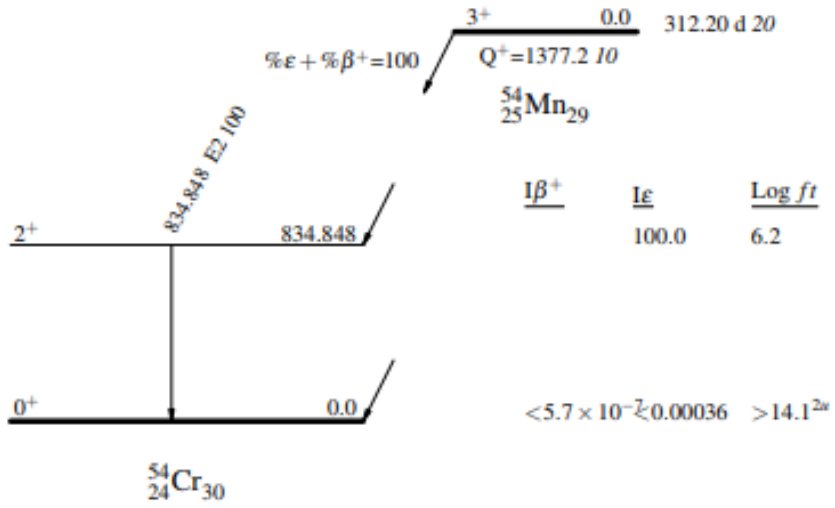


THE FLORIDA STATE UNIVERSITY

^{54}Mn ε decay 1993Da20,1966Ha07,1990KuZJ

Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays



THE FLORIDA STATE UNIVERSITY