Nuclear Decay Modes

- proton emission (P)
- neutron emission (N)
- alpha decay (α decay)
- electron emission (β− decay)
- positron emission (β+ decay) or electron capture
- spontaneous fission (F)
- given data less than 50% (X)

stable long lived, > 5 × 10¹⁵ year, double β− decay

4²He emission (α decay)

electron emission (β− decay)

positron emission (β+ decay) or electron capture

P: proton emission
N: neutron emission
F: spontaneous fission
X: given data less than 50%