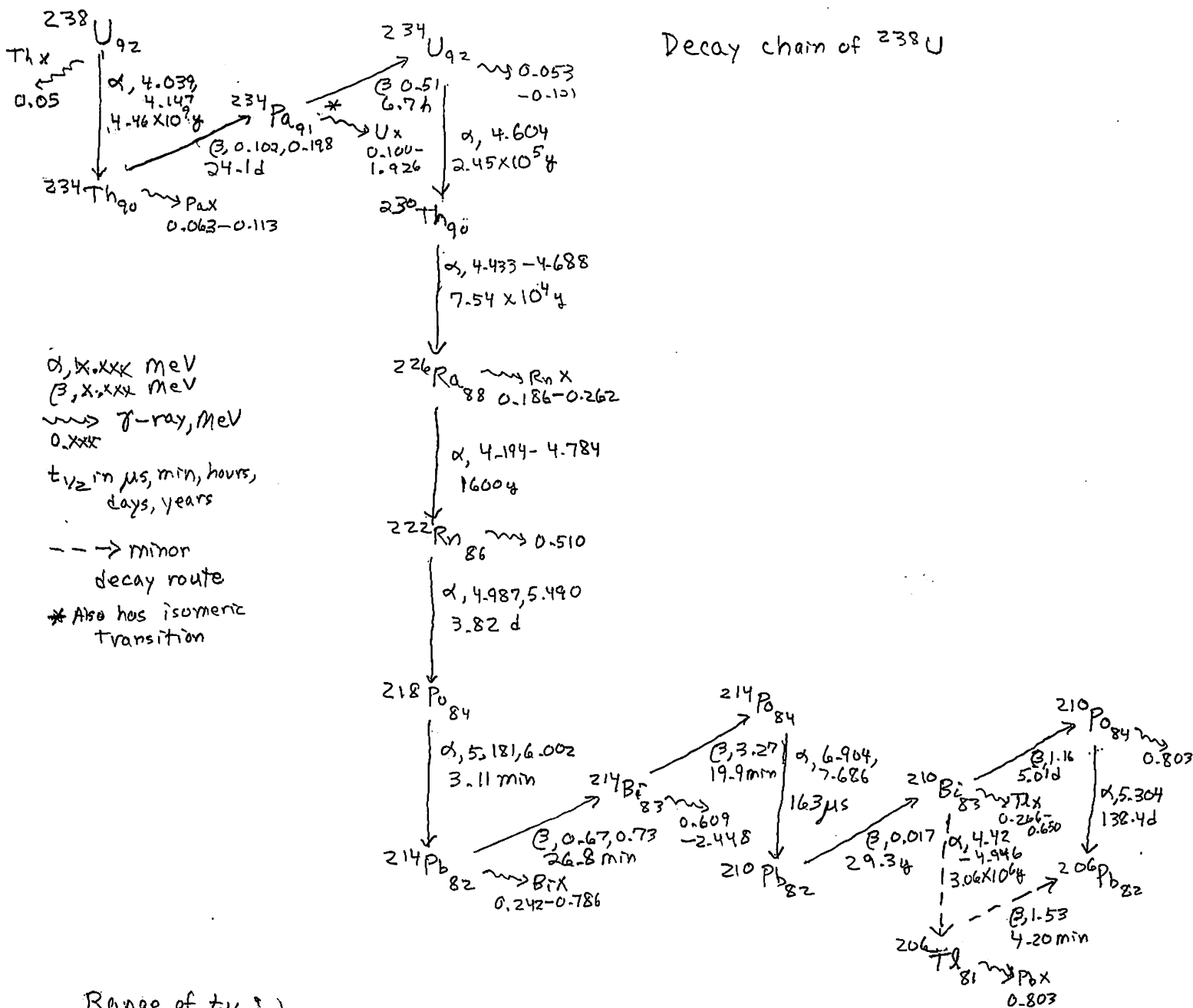


# Decay chain of $^{238}\text{U}$



Range of  $t_{1/2}$  :

- $163 \mu\text{s}$ ,  $^{214}\text{Po}_{84}$  (most energetic  $\alpha$ , also)
- $4.46 \times 10^9 \text{ y}$ ,  $^{238}\text{U}$  (least energetic  $\alpha$ , also)

Range of  $\beta$  energy :

- $0.017 \text{ MeV}$ ,  $^{210}\text{Pb}_{82}$
- $3.27 \text{ MeV}$ ,  $^{214}\text{Bi}_{83}$

Range of neutrons/protons :

- $1-500$ ,  $(126/84)$ ,  $^{210}\text{Pb}_{82}$
- $1-512$ ,  $(124/82)$ ,  $^{206}\text{Pb}_{82}$  (stable)
- $1-610$ ,  $(132/82)$ ,  $^{214}\text{Pb}_{82}$