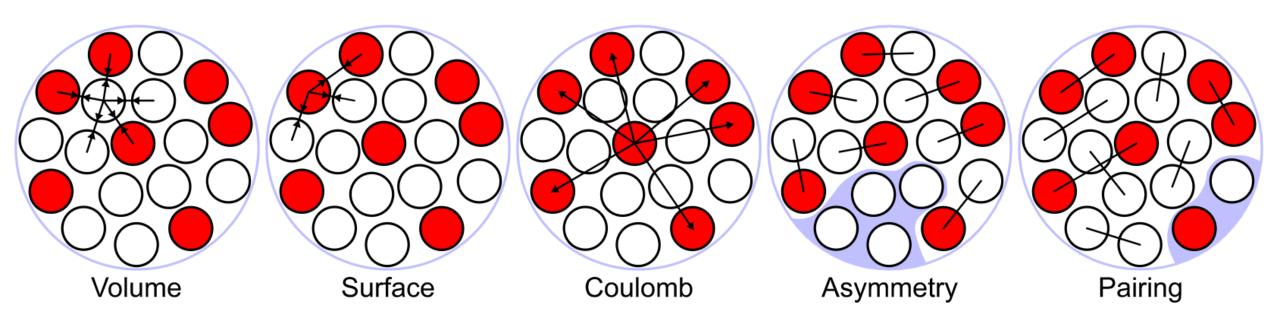
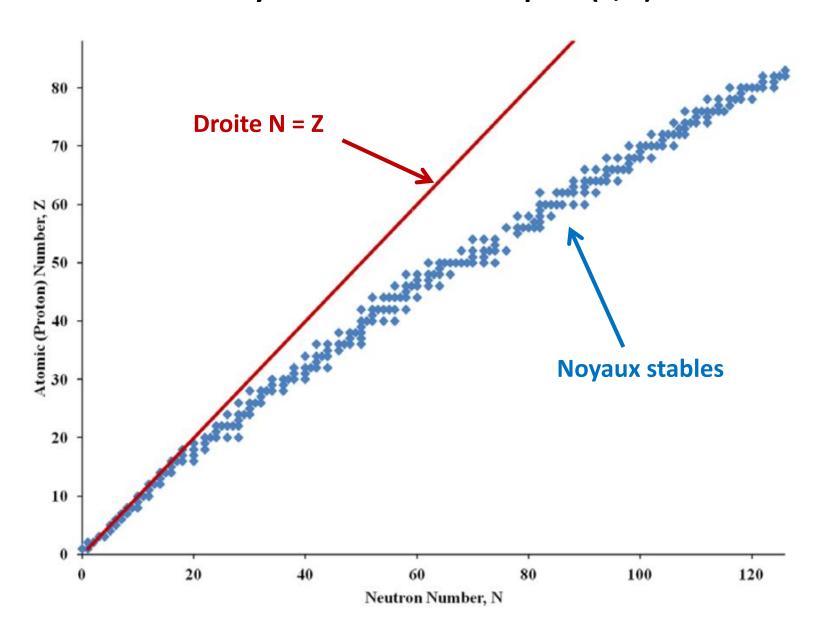


# Interprétation des termes du modèle de la goutte liquide



### Noyaux stables dans le plan (Z,N)

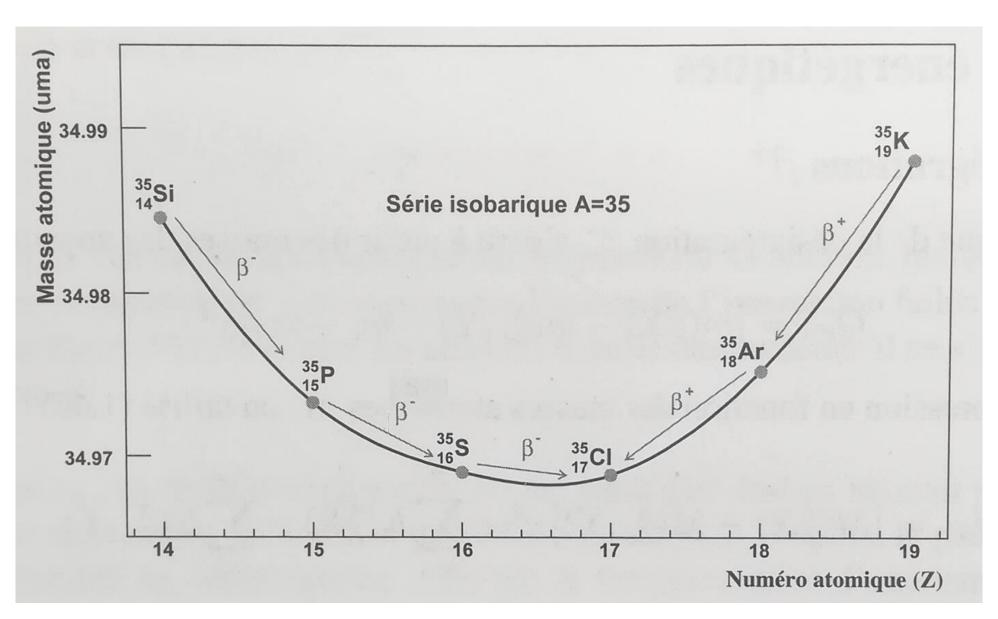


### Terme d'appariement $\delta$

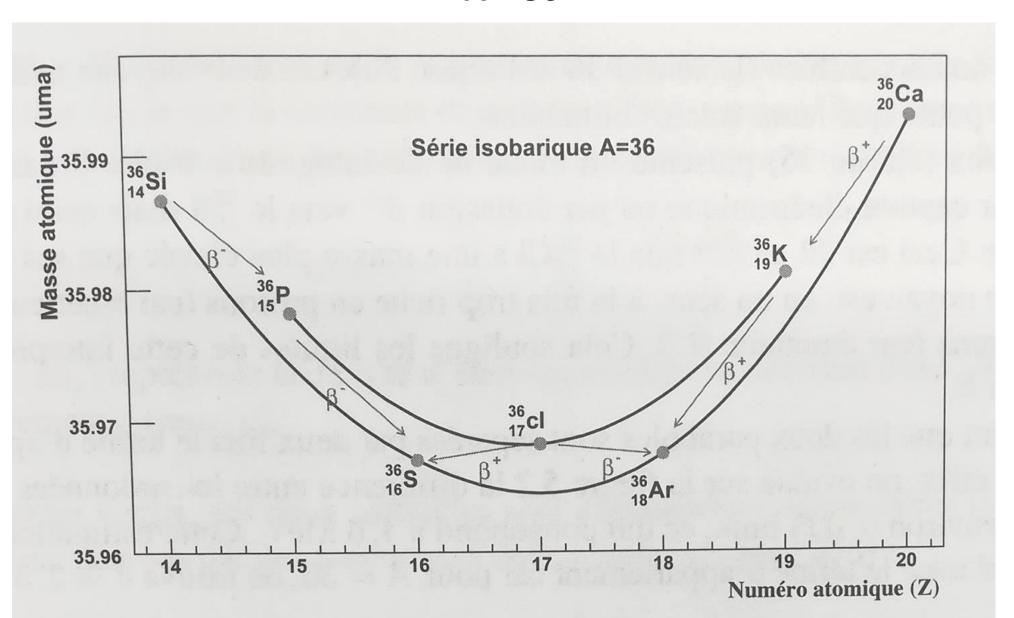
• Il n'existe que quatre noyaux stables avec N et Z impairs :  ${}_{1}^{2}H$ ,  ${}_{3}^{6}Li$ ,  ${}_{5}^{10}B$ ,  ${}_{7}^{14}N$ 

• Il existe 167 noyaux stables avec N et Z pairs

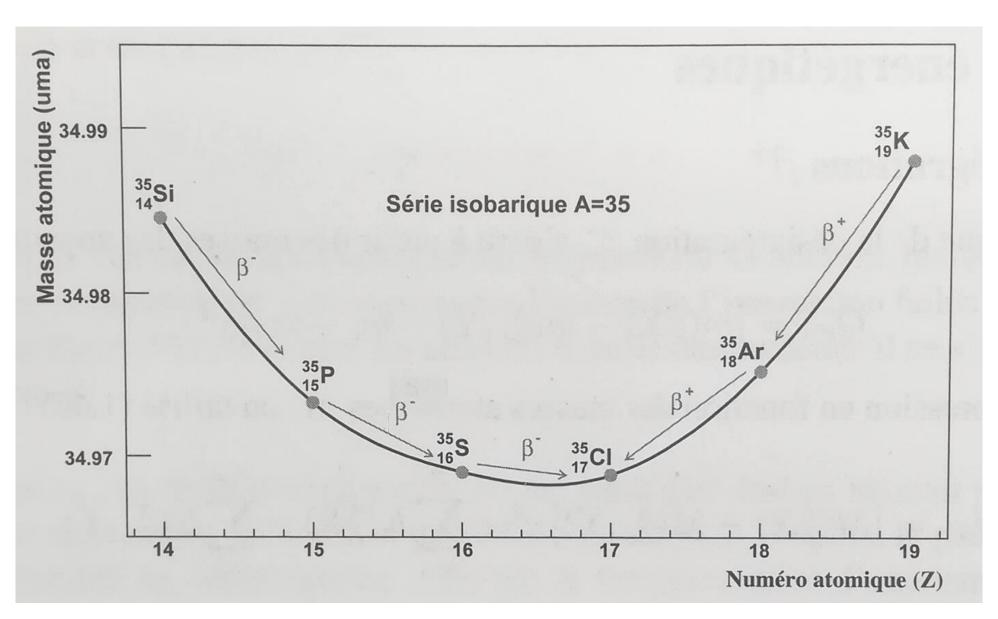
### Parabole de masse impaire A = 35



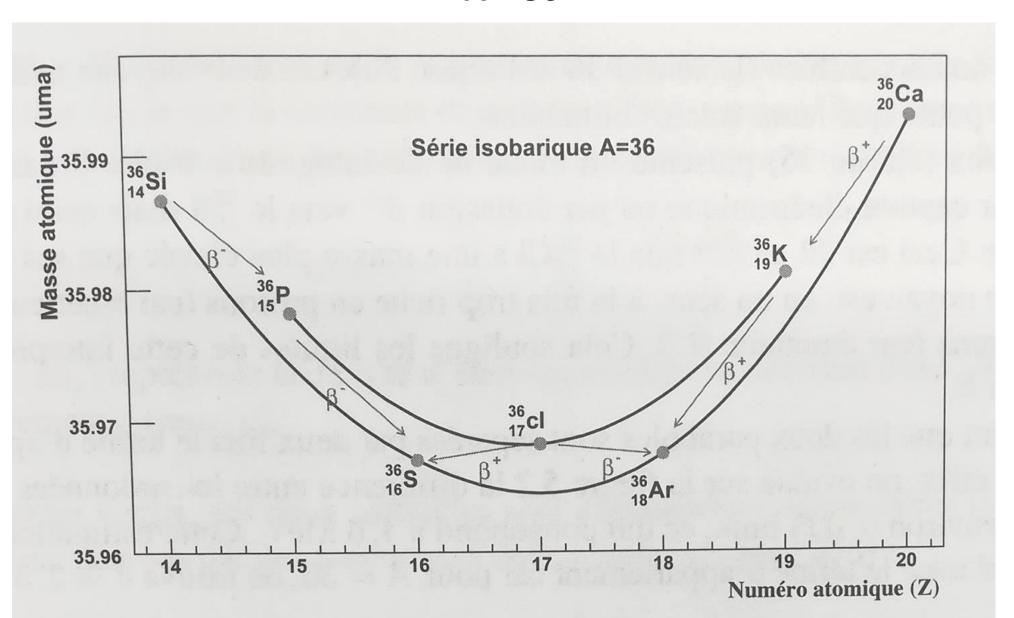
### Parabole de masse paire A = 36



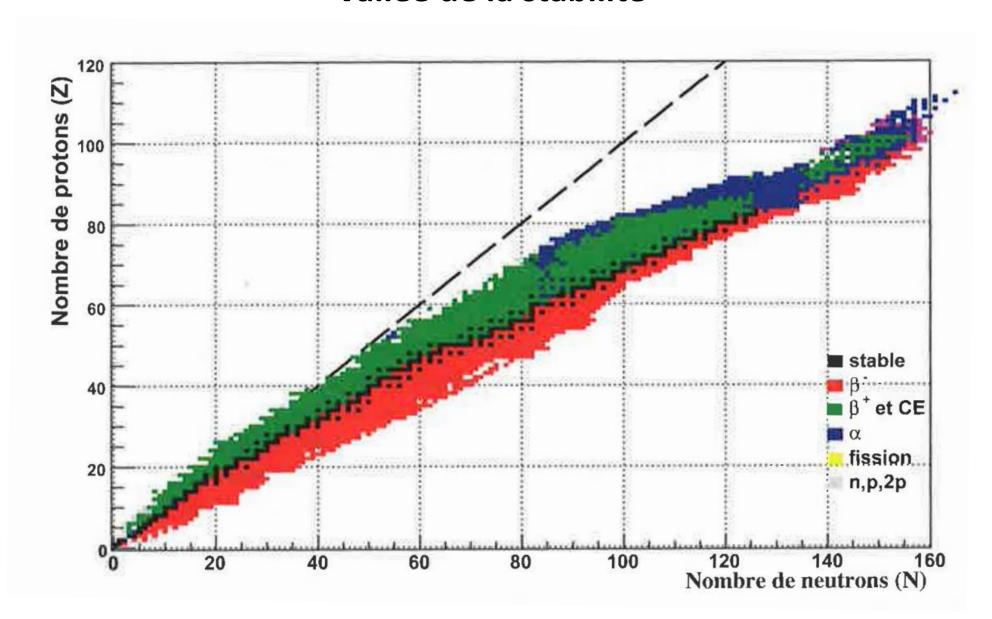
### Parabole de masse impaire A = 35

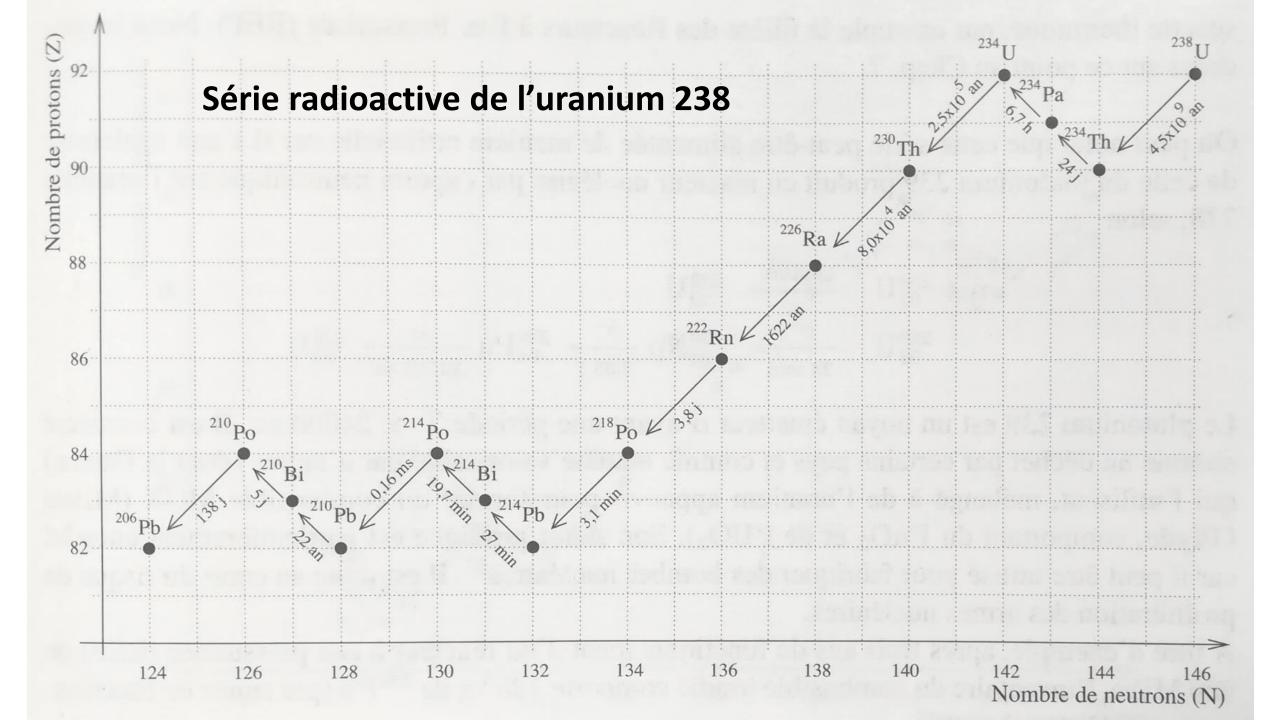


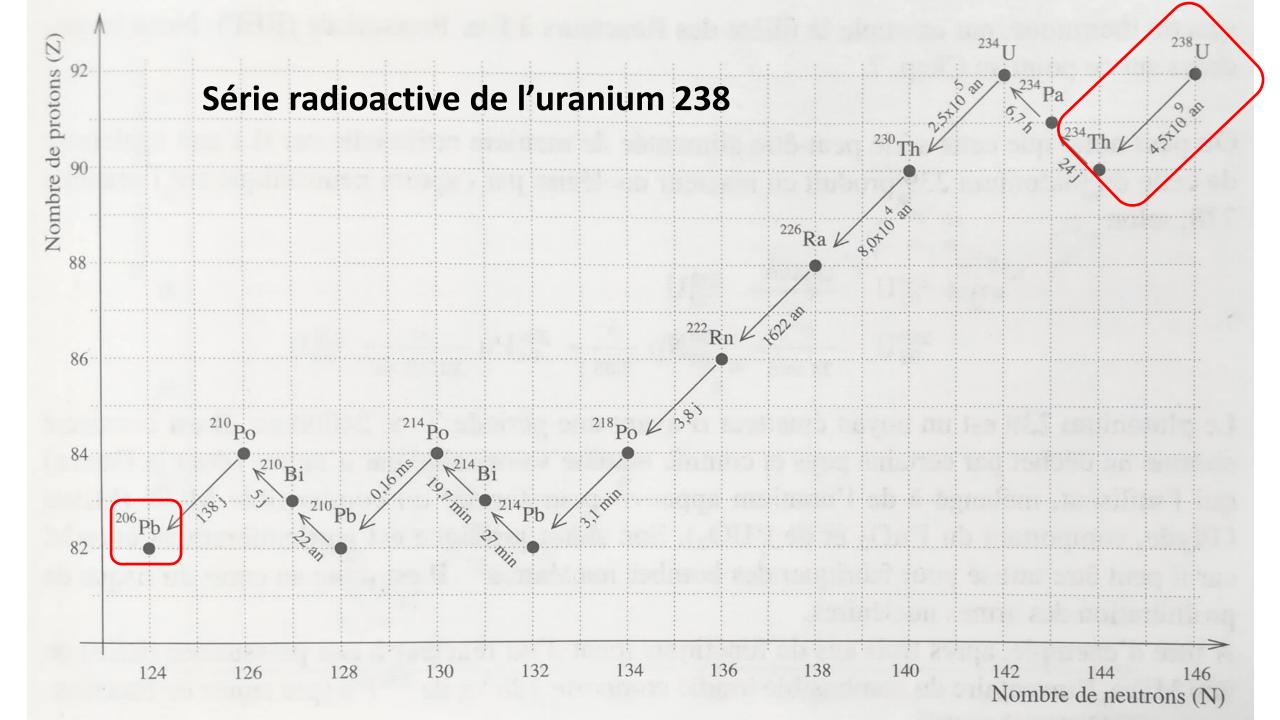
### Parabole de masse paire A = 36

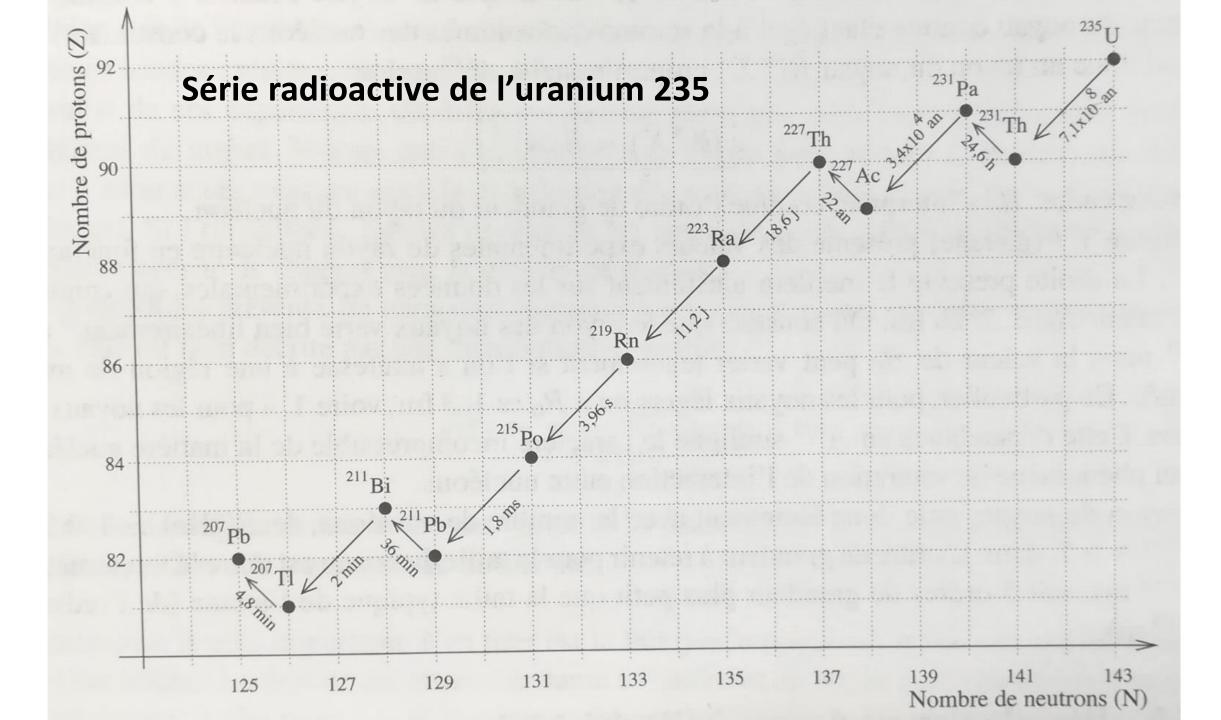


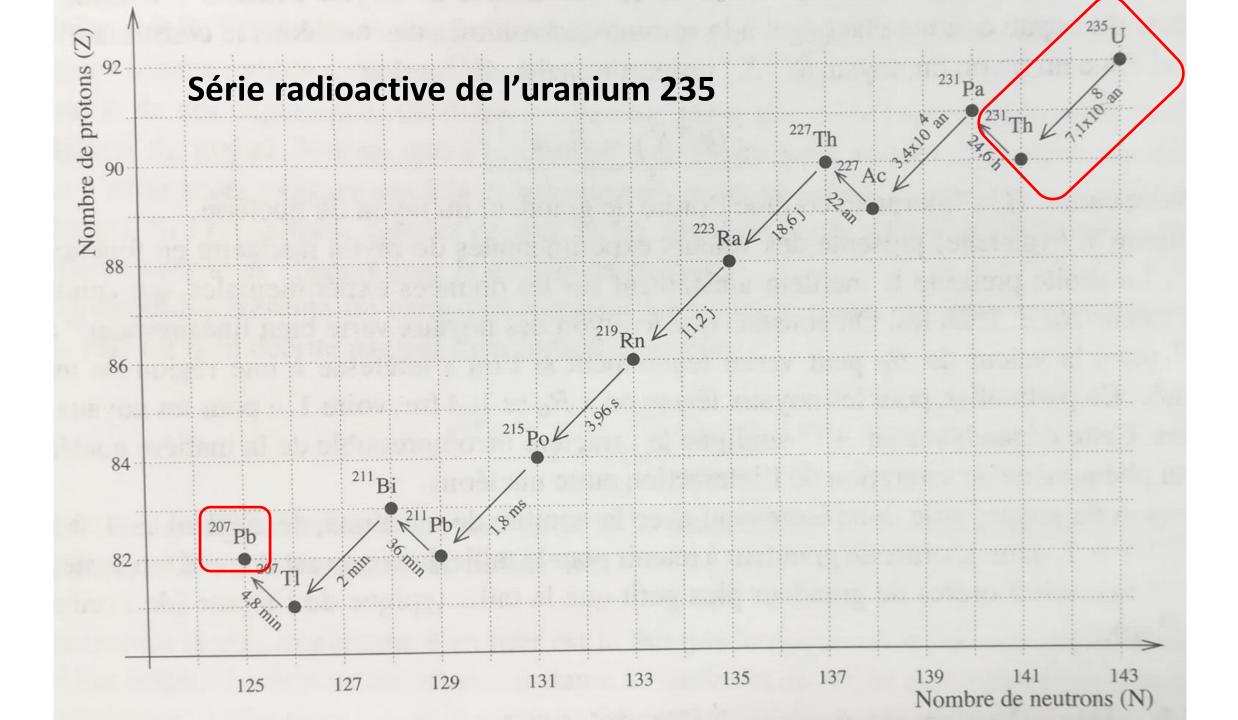
#### Vallée de la stabilité



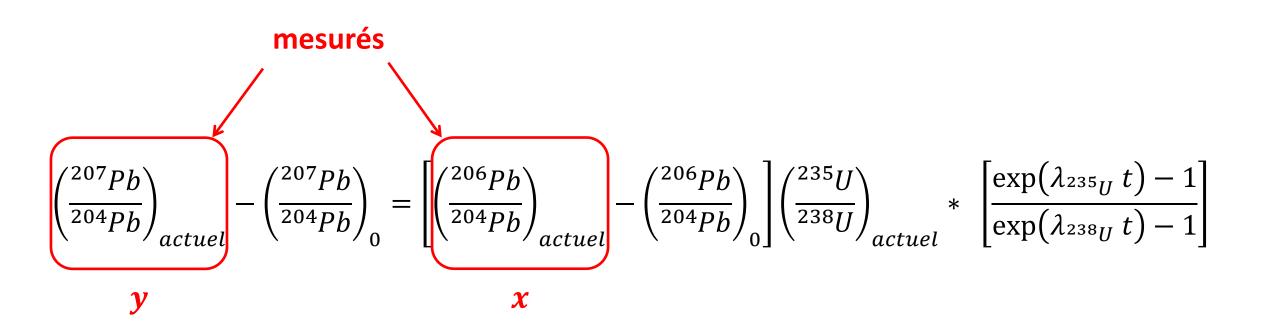


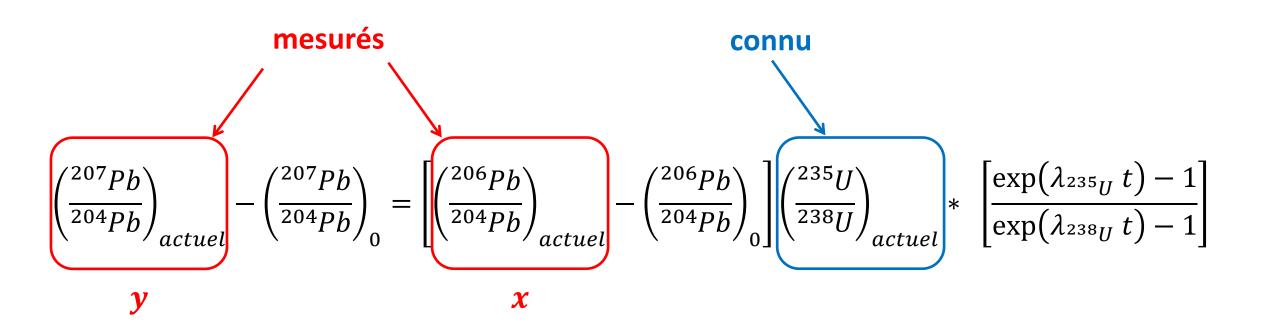


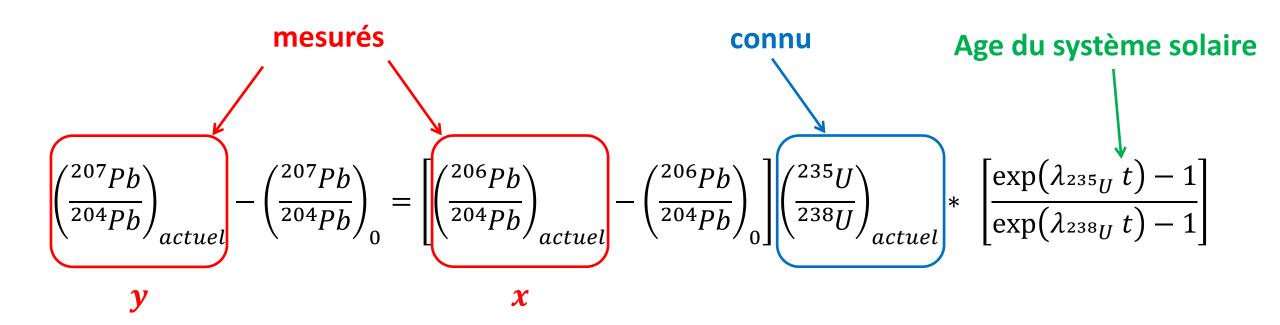


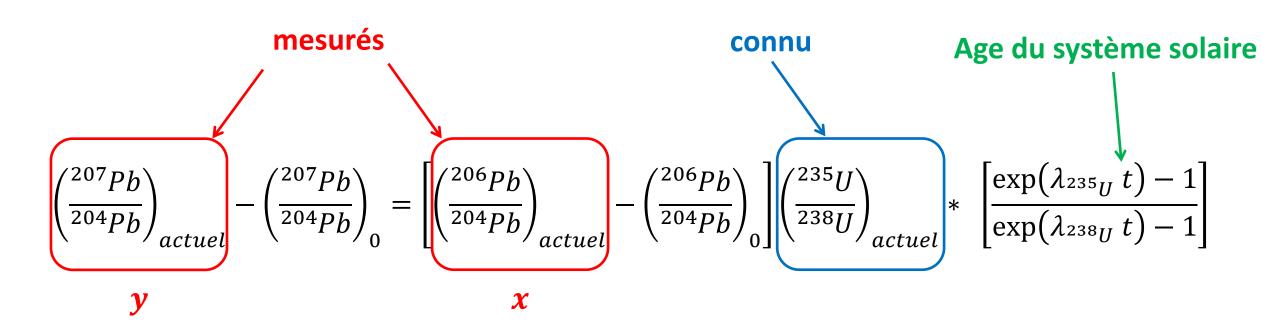


$$\left(\frac{^{207}Pb}{^{204}Pb}\right)_{actuel} - \left(\frac{^{207}Pb}{^{204}Pb}\right)_{0} = \left[\left(\frac{^{206}Pb}{^{204}Pb}\right)_{actuel} - \left(\frac{^{206}Pb}{^{204}Pb}\right)_{0}\right] \left(\frac{^{235}U}{^{238}U}\right)_{actuel} * \left[\frac{\exp(\lambda_{^{235}U}t) - 1}{\exp(\lambda_{^{238}U}t) - 1}\right]$$









Age du système solaire :  $4,55 \pm 0,07$  Ga

