α razpad

$$W_{vez}(Z,A) = -w_0 A + w_1 A^{2/3} + w_2 \frac{Z^2}{A^{1/3}} + w_3 \frac{(A-2Z)^2}{A} + w_4 A^{-3/4}\delta(A,Z)$$

$$\frac{\partial W_{vez}}{\partial Z} = 0 \Rightarrow Z = \frac{A}{2 + \frac{w_2}{2w_3} A^{2/3}}$$

$w_0 = 15{,}6\ MeV$, $w_1 = 17{,}2\ MeV$, $w_2 = 0{,}7\ MeV$,
$w_3 = 23{,}2\ MeV$, $w_4 = 12\ MeV$

$$T_\alpha = \\ = W_{vez}(Z,A) - \\ - W_{vez}(Z-2, A-4) - \\ - W_{vez}(2,4)$$

$W_{vez}(2,4)$ = -28,3 MeV