

I OMMARE1 OMMARE2 = 12.50 .50296907 4.26077895

\uparrow Ω_1 și Ω_2 pentru $I = \frac{25}{2}$

I OMMARE1 OMMARE2 = 44.50	.98911182	5.08452349
I OMMARE1 OMMARE2 = 46.50	1.01448260	5.13445894
I OMMARE1 OMMARE2 = 48.50	1.03961870	5.18422951
I OMMARE21 OMMARE22= 13.50	.52331687	4.28728252
I OMMARE21 OMMARE22= 15.50	.56197292	4.34013475
I OMMARE21 OMMARE22= 17.50	.59838275	4.39278151

$\Omega_1(12.5)$

$\Omega_2(12.5)$

$I = \frac{27}{2}$

$I = \frac{25}{2} \in \text{TSO1}$

$I = \frac{27}{2} \in \text{TSO2}$

$$E_{\text{TSO2}}^{\text{exc}}[I] = \left\{ H_{\min}[I] + \frac{1}{2} \Omega_1[I] + \frac{1}{2} \Omega_2[I] \right\} - E_{\text{TSO1}}[6.5]$$

in core atom: $j = \frac{13}{2}$, $I \in \text{TSO2}$, $m_{w1} = m_{w2} = 0 \Rightarrow (0, 0)$

AJMIC=6.5D0; AI1=73. AI2=68. AI3=3. V=8.1 gamma=15

Exemplu numeric pentru $I_{\text{TSO2}} = \frac{27}{2} = 13.5$

configurație

$$\Omega_1(13.5) = 0.523$$

$$\Omega_2(13.5) = 4.287$$

$$H_{\min}(13.5) = -7.0889$$

$$E_{\text{TSO2}}^{\text{exc}}[13.5] = -4.68299 - E_{\text{TSO1}}[6.5]$$

$$E_{TS01}[13.5] = H_{\text{min}}[6.5] + \frac{1}{2} \Omega_1[6.5] + \frac{1}{2} \Omega_2[6.5]$$

$$= -8.03 + \frac{1}{2} 0.35 + \frac{1}{2} 4.10 = -5.80339$$

$$\Rightarrow E_{TS02}^{\text{RKE}}[13.5] = -4.68299 - (-5.80339)$$

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$$E_{TS02}^{\text{RKE}}\left[\frac{27}{2}\right] = 1.1204 \text{ MeV}$$

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$$E0 = -5.80339255$$