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Erratum

Erratum to: Study of spatial structures in α-cluster nuclei

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The Eq. (60) should read

$$s(n) = \left(\frac{3}{2\pi n}\right)^{1/3}. \tag{60}$$

The Fig. 10 should read

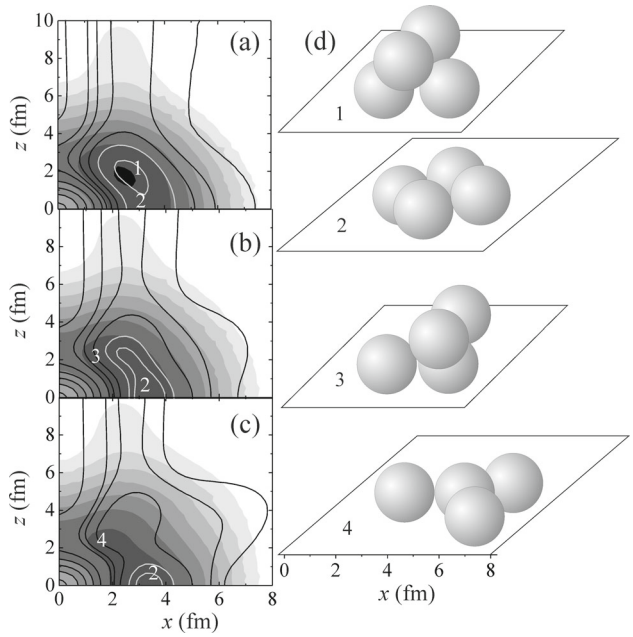

Fig. 10 Topography (shades of grey; logarithmic scale) of the propagator $\tilde{K}_{\rm E}$ (20), i.e., the probability density for the ground state of the ^{16}O nucleus as a 4α system calculated by the FPI method along with the potential landscape (curves) for the distances (75) $x = y$ and $\mathbf{x} \perp \mathbf{z}$ (a), for angle $\theta = \pi/4$ between vectors $\mathbf{x}$, $\mathbf{z}$ (b), and for $\mathbf{x} \parallel \mathbf{z}$ (c) with the 3D models of some configurations (d). The tetrahedron configuration 1 is the most probable; the square configuration 2 is of considerably lower probability; the dinuclear configurations 3, 4 ($\alpha + {}^{12}$C) are even less probable. The calculations were done for the DWS potential with parameters (54), (58) and $U_{\alpha 2}$ from Table 2

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