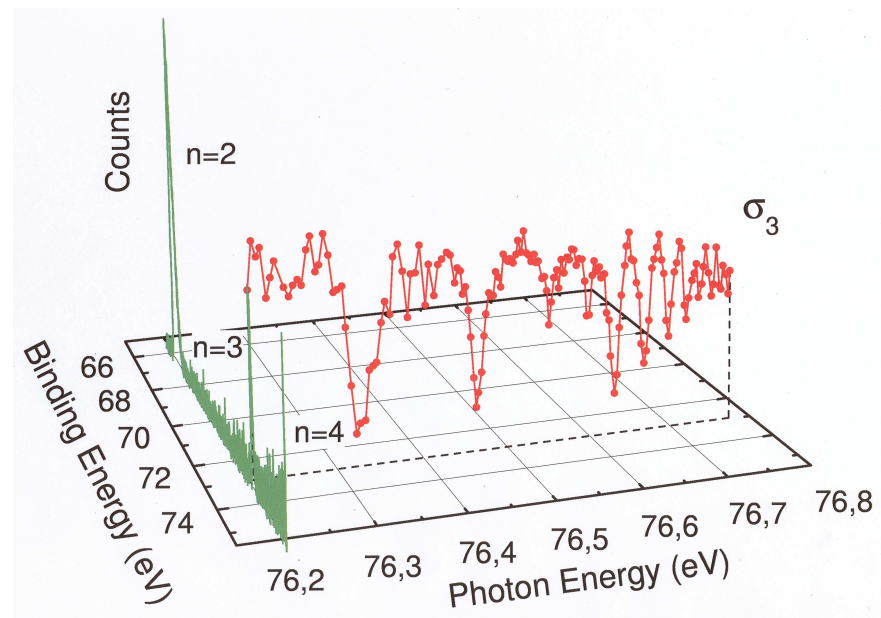


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Doubly excited helium: from strong correlation to chaos



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Cover: The bar diagram along the binding energy axis represents an experimental photoemission spectrum measured with $h\nu = 76.2$ eV, with the satellites $n = 2$ to 4 representing the ionic final states of $\text{He}^+(n)$. The solid curve through the data points represents partial cross section σ_3 below the ionization threshold I_5 , which can be derived from a large number of such photoemission spectra (not shown here) recorded at different photon energies. For details, see text in Sect. 5.2.

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