

ON THE THERMODYNAMICS AND LEVEL
DENSITY OF EVEN-EVEN NUCLEI BELOW
THE CRITICAL TEMPERATURE

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S u m m a r y

Within the approximation of the continuous energy spectrum, we have written the general expressions of thermodynamic functions of complex nuclei and made the numerical calculations of the correlation function, entropy, excitation energy, and density level of heavy even-even nuclei for mass numbers $200 \lesssim A \lesssim 216$ as functions of a temperature in the whole range below the critical temperature taking account the normal and superfluid components of the nuclear matter.