

SEMICLASSICAL MODEL OF DIPOLE
PYGMY-RESONANCE IN NUCLEI
WITH NEUTRON EXCESS

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S u m m a r y

To study the dipole pygmy-resonance in nuclei with neutron excess, it is proposed to use a semiclassical model based on the dynamics in the phase space. The properties of the neutron skin of a nucleus are presented by a surface layer of moving neutrons. It is obtained that the strength function of the spherical layer has a resonance with the maximum energy corresponding to the energy of the dipole pygmy-resonance observed in the ^{208}Pb nucleus.