

EFFECT OF NEUTRON EXCESS ON ISOVECTOR
DIPOLE RESPONSE OF HEAVY NUCLEI

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S u m m a r y

Isovector dipole excitations of spherical nuclei with neutron excess are studied within a semiclassical approach based on the Vlasov kinetic equation for finite systems with a movable surface. It is shown that the account of the surface degrees of freedom allows one to exclude spurious excitations related to the center-of-mass motion. It is found that the neutron excess leads to the appearance of a force in the energy range of a dipole pygmy-resonance.