EWSR. The existence of this [box 4] "pigmy resonance" which can be viewed as a simple consequence of the existence of a low lying particle habe state associated with the transition syz + pyz, arguetaly, to tipes to the coexistence of two states with rather different radii in the ground state " One closely connected with the Empart "Li core, the second with the diffuse hato. Because the overlap between them is smal ( = (2,7/4.6) = 0.2), one can posit that a bona fide pigmy resonance is a GDR based on an exotic, unusually extended state as compared to systematics (A= (4.6/12) =60), i.e. to a system with an effective A mass number about 5 time than greduted by systematics \*\* king use of of the valation (12) 2 (3/5) R between mean square radius and radius, (12)<sub>M1</sub> ≈ = Reft (11/21), inthermore, the pigmy dipole revenance may be built not uly on the land extended component of the grand tale as in "Li"

This is reminiscent of the deformation coexistence found in "E.g. "160, 40Ca grand tales and, "ecently in "-fond at ~ 10 Mer in neutron 5 km rich nacle an hardy be consider prig my resonance, but the long tail