

The Pygmy Dipole Resonance - history and overview

One of the currently most intensively debated phenomena in Nuclear Structure Physics is the existence of a new type of collective electric dipole excitation commonly denoted as Pygmy Dipole Resonance (PDR). It is located at energies around the particle threshold and is visualized in certain models as the oscillation of excess neutrons against an isospin saturated core. Recent results from magnetic spectrometers hint to an energetic splitting of the PDR. I will give an overview of the PDR from the first experiments to the present day status focusing on the possible contribution from different experimental probes.

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