

Theoretical Predictions of Giant Resonances in ^{94}Mo

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We perform Hartree-Fock based Random Phase Approximation calculations using thirty-three common Skyrme interactions found in the literature for ^{94}Mo . We calculate the strength functions and the Centroid Energies of the Isoscalar Giant Resonances for all multipolarities L0, L1, L2, and L3. We compare the calculated Centroid Energies with the experimental value; we also study the Centroid Energy and any correlation it may have with the Nuclear Matter properties.