

Abstract Submitted
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Theoretical Predictions of Giant Resonances in ^{94}Mo MATTHEW GOLDEN, Ohio Northern University, GIACOMO BONASERA, SHALOM SHLOMO, Texas AM University — We perform Hartree-Fock based Random Phase Approximation 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, 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 of each interaction.

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