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Turkish Journal	IBA-1 Calculations of E2/M1 Mixing Ratios and Quadrupole Moments in ¹⁵⁴ Gd
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Keywords Authors	Abstract: In this study the Interacting Boson Approximation is applied in its basic form (IBA-1) to the calculation of gamma-ray E2/M1 multipole mixing ratios and quadrupole moments [Q(2 ⁺)] of electromagnetic transitions in ¹⁵⁴ Gd. The numerical results obtained for ¹⁵⁴ Gd are in reasanably good agreement with previous experimental and theoretical values. Key Words: IBA-1, deformation parameter, quadrupole moment, mixing ratios.
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