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ROTATIONAL BANDS BUILT ON HIGH-j ORBITALS IN ^{185}Ir AND ^{191}Ir

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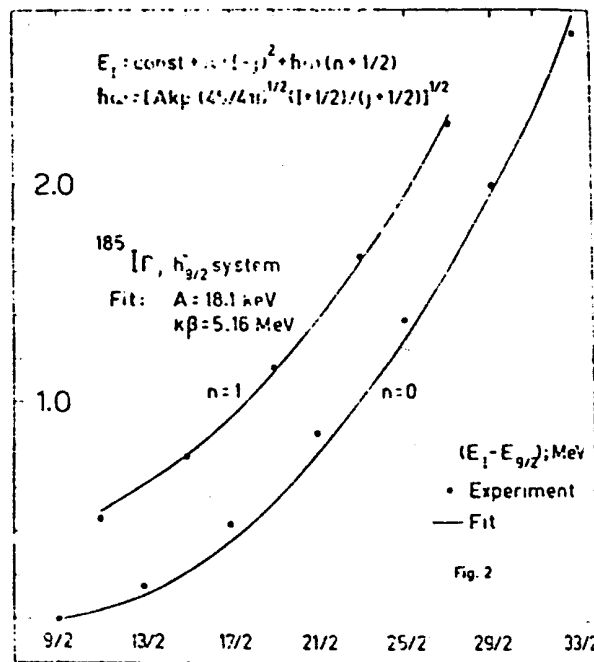
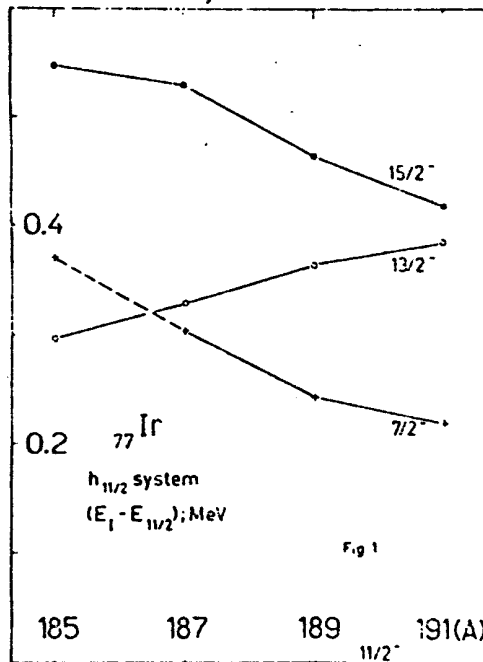
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Our in-beam studies ¹⁾ of the transitional odd-A Ir nuclei were extended to the reactions $^{185}\text{Re}(\alpha, 4n)^{185}\text{Ir}$ and $^{192}\text{Os}(d, 3n)^{191}\text{Ir}$. In both nuclei a band built on 11/2-isomeric state (17ns and 4s in ^{185}Ir and ^{191}Ir respectively) was identified. If a triaxial shape is assumed for this band ²⁾ the relative level position (cf. fig.1) shows a continuous increase of the γ parameter when going from ^{185}Ir to ^{191}Ir . At present no information is available concerning the h 9/2 band in ^{191}Ir . This band is however strongly fed in ^{185}Ir and is well described by the Mottelson approximation (cf.ref.1) using only two adjustable parameters (see fig. 2).

1) S. André et al. Nucl. Phys. in print

2) J. Meyer ter Vehn, Nucl. Phys. in print



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