

SPIN DEPENDENCE OF COLLECTIVE MODEL  
PARAMETERS FOR EVEN-EVEN NUCLEI  
IN VARIOUS APPROXIMATIONS

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S u m m a r y

According to the model of a nonaxial even-even nucleus soft by  $\beta$ -vibrations, the parameters of its effective nonaxiality  $\gamma_{\text{eff}}$  and softness  $\mu_{\beta}$  are calculated, by assuming their dependence on excited state spin for the studied nuclei  $^{154}\text{Gd}$ ,  $^{156,158,160}\text{Dy}$ ,  $^{164,168}\text{Er}$ ,  $^{168}\text{Yb}$ ,  $^{176}\text{Hf}$ ,  $^{180}\text{W}$ .