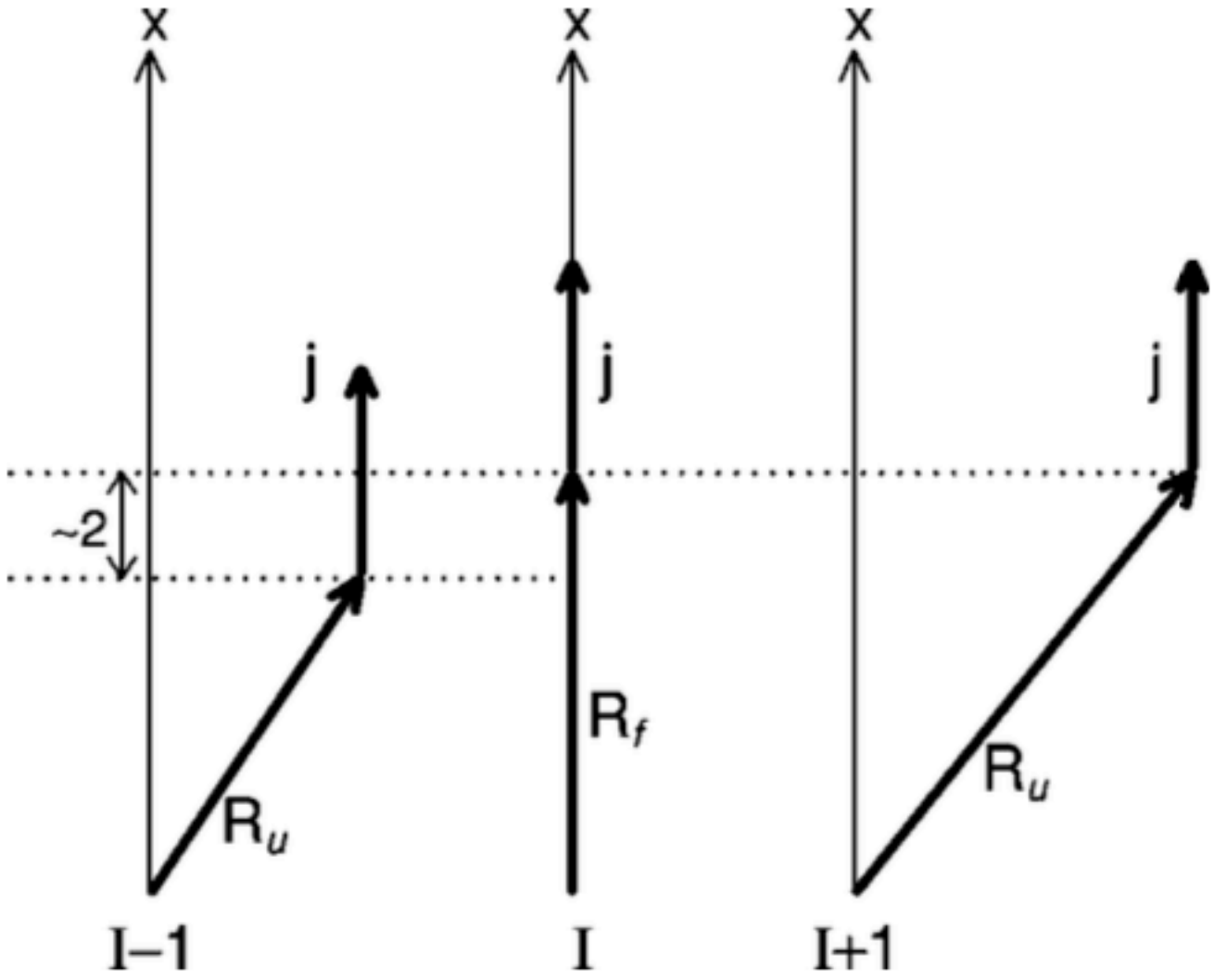

FIG. 4. Schematic illustration of the coupling scheme of the angular momenta of the high-j particle $\vec{j}$ and the core $\vec{R}$ in the yrast favored (I) state and the yrast unfavored ($I\pm1$) states of the wobbling excitation ($n_w=1$). The x axis is the axis of the largest moment of inertia of the core, about which collective rotation is energetically cheapest. The total angular momentum is $\vec{I}=\vec{R}+\vec{j}$.