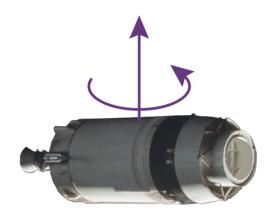


Maximum energy state for given L: all spin is about long axis

$$E = \frac{L^2}{2I}$$

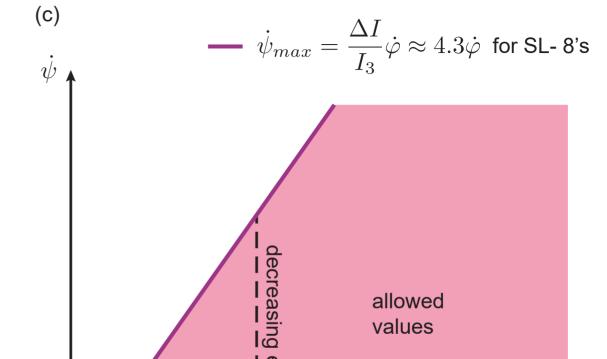
(b)

$$\omega=\dot{arphi}$$



Minimum energy state for given L: all spin is about short axis

$$E = \frac{L^2}{2I_0}$$



 $\dot{\varphi}_0$