

## ORIENTATION

$\omega \rightarrow \phi, \theta, \psi$

3 angular variables (Euler)

## STATE OF MOTION

3 quantum numbers

①

total angular momentum  $I$

②

$M = I_z$ : component on a space-fixed axis

③

System with orientation  $\omega \rightarrow$  intrinsic c.s.  
 $\hookrightarrow$  component of  $I$  w.r.t  $\uparrow$   
 $I_z, K$  = component of  $I$  on body-fixed c.s.

"c.s."  $\equiv$  coordinate system