

la constante  $C_{kykz}$  se determina (5)  
por la normalización:

$$\int_{-b}^{+b} dx \int_{-L_y/2}^{+L_y/2} dy \int_{-L_z/2}^{+L_z/2} dz |f_{nkykz}(x, y, z)|^2$$

$$= |C_{kykz}|^2 \cdot \underbrace{\int_{-b}^{+b} dx |f_n(x-x_0)|^2}_{=1} \cdot L_y \cdot L_z = 1$$

$$\therefore |C_{kykz}| = \frac{1}{\sqrt{L_y L_z}}$$

Asignando la fase real:  $C_{kykz} = \frac{1}{\sqrt{L_y L_z}}$