10 Physical Systems

$$\psi = \sum_j a_j \psi_j$$

pansion coefficients. If
ı. Without loss of ger
squared is one:

$$1 = \sum_j |a_j|^2$$

$$\sum_j e_j |a_j|^2$$

$$p_j = |a_j|^2$$

hen be

$$E = \sum_j e_j p_j$$