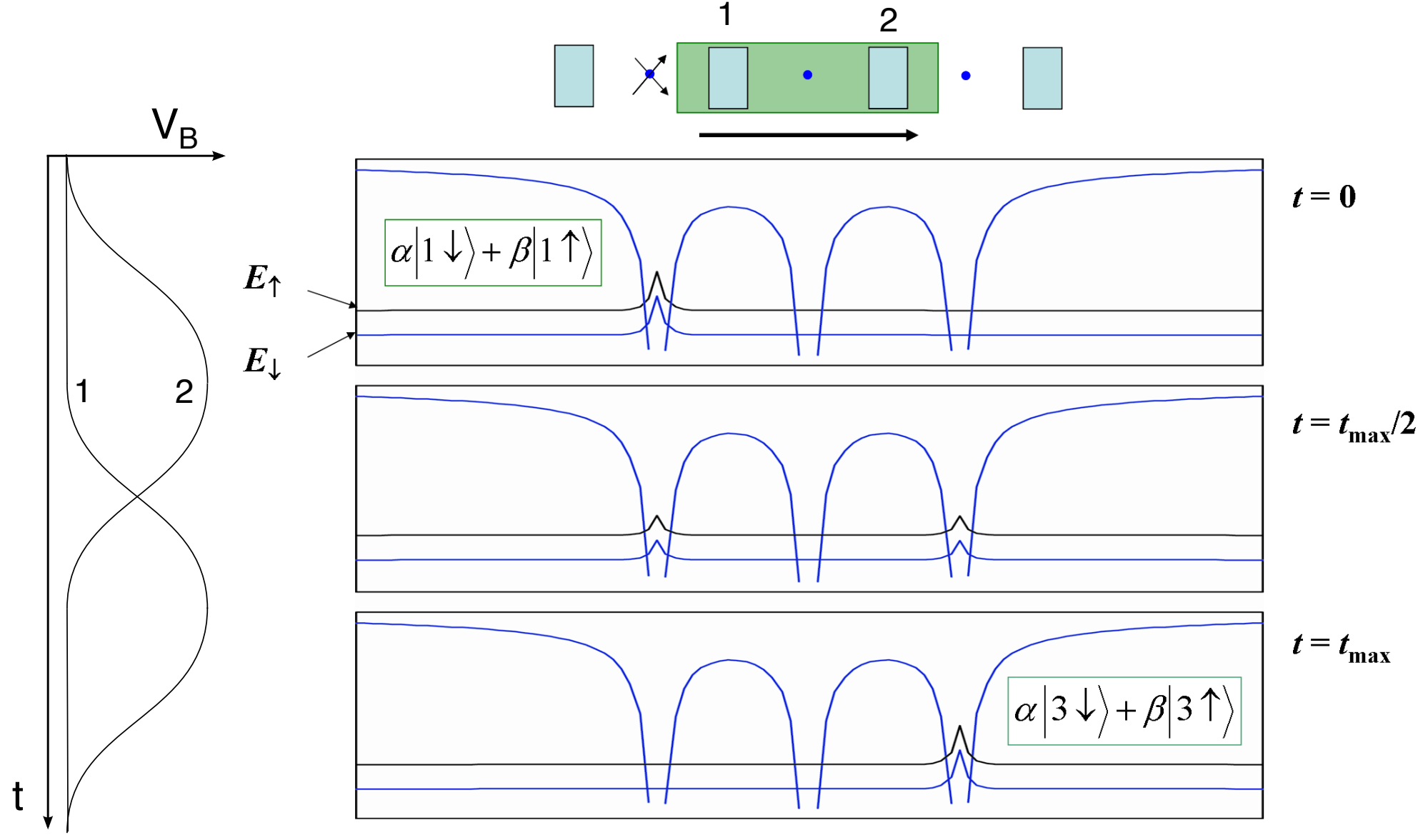

1
2
V_B
1
2
t
$E_\uparrow$
$E_\downarrow$
$\alpha|1\downarrow\rangle + \beta|1\uparrow\rangle$
$t = 0$
$t = t_{max}/2$
$t = t_{max}$
$\alpha|3\downarrow\rangle + \beta|3\uparrow\rangle$