

$|\psi>_1$

$|\psi>_2$

$|\psi>_3$

$|\psi>_4$

Theta

90

0

90

180

Phi

90

0

180

360

α

0.707

β

0.707

$|\psi>_2 = 0.707 |0> + 0.707 |1>$

