## Goals Describe entangled states + product states /? Determine if a 2-gubit state is entangled Describe why entanglement helps us win CHSH Practice 2-gubit measurements Announcements

## 7 411 10 00 100 100 1

Exit Tickets

has a special property: entangled

A state 14/2 13 a product state if 3 14/2, 1/2> s.t.

A State 14 has is entangled if \$14, 142 s.t.

There are valid 2-gubit states that can't be described as A system in a state + B system in a state.

$$Pr(00) = 1/2$$

$$Pr(11) = 1/2$$

