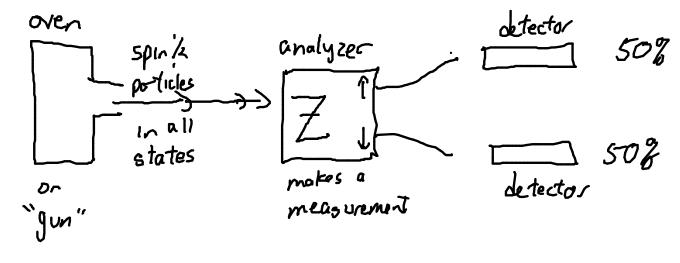
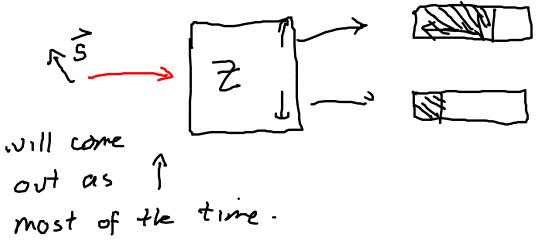
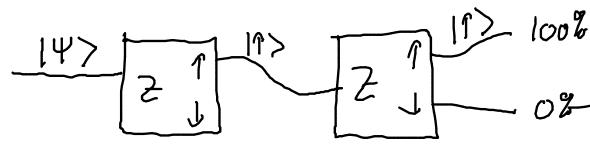
$$S_{z} = \pm \frac{t}{2}$$

$$|\hat{S}| = \sqrt{3} \frac{t}{2}$$









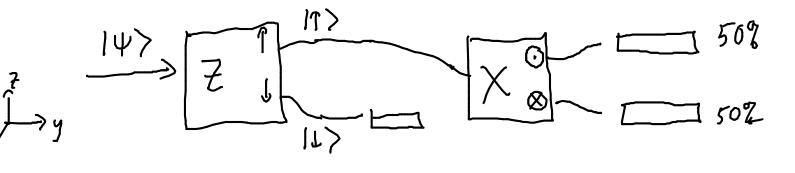
Quantum measurement changes the quantum state.

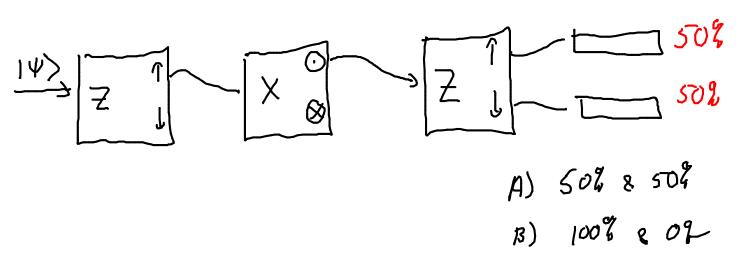
"ket"
$$|\Psi\rangle$$
 a generic quantum state

 $|\uparrow\rangle$ a specific quantum state

 $|\uparrow\rangle$ a specific quantum state

 $|\uparrow\rangle$ a $|\uparrow\rangle$ or whatever)





No memory of first 2 measurement, no hidden variable telling particle what to do when Z-measured, (cf 'Bell's inequalities")

There are no particles that will always register

19 & 10> 100% of the time

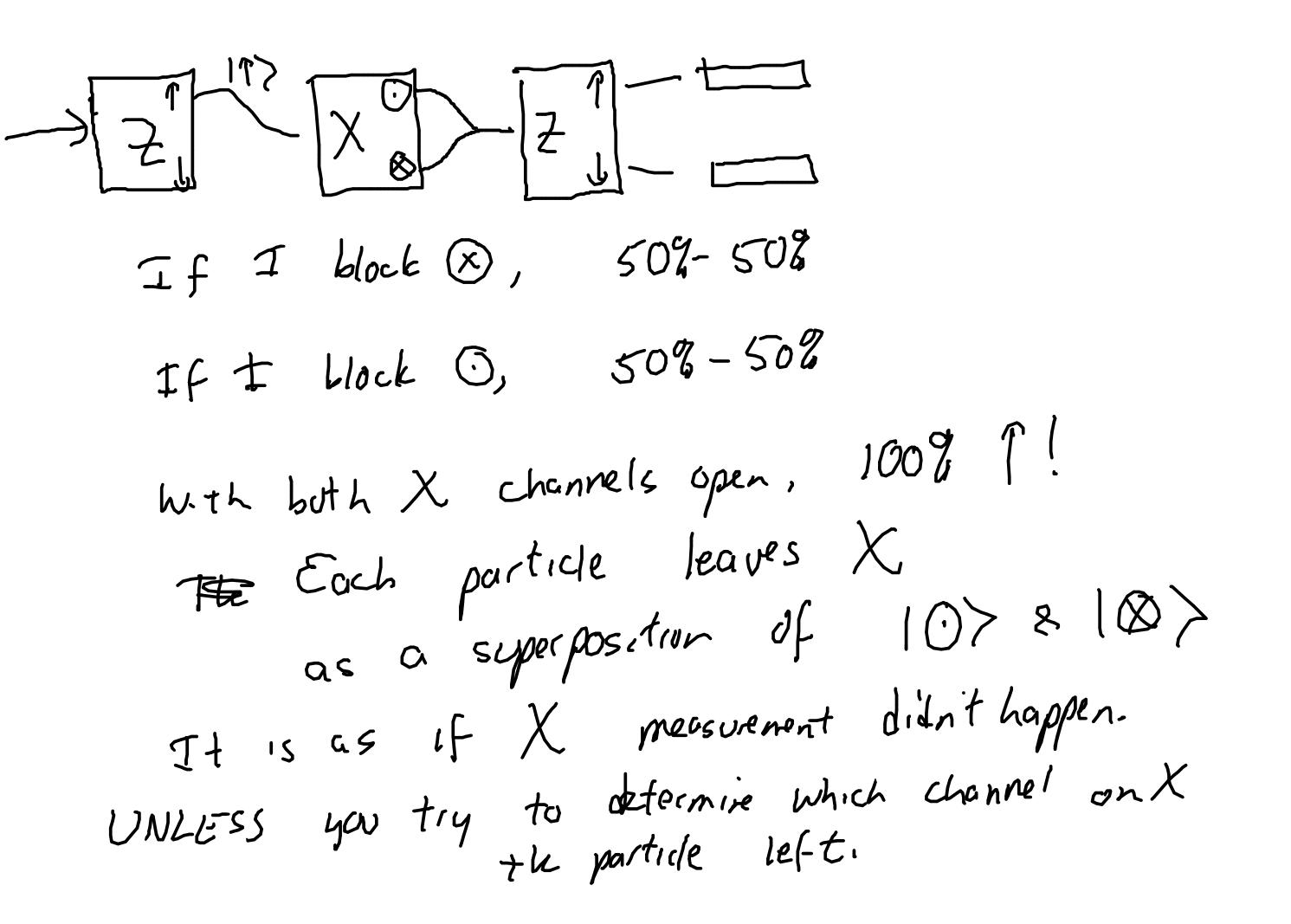
2 & X are "observables" (more precisely the & they are "incompatible observables"

We can't determine what \$ on the one,

So much information at quantum level

that is inaccessible to measurement,

or possibly unknowable?



destructive interference at the 1 channel of the 10st analyzer.