WEEK V Second Half of Quantum Mechanics (overview) Schrödinger's Cut
Schrödinger: "tlad I known that we were not going
to get rid of this quantum jumping, blaging
I threver would have involved myself in this business, - He dearly didn't like the state of QM Sole posed. Cot in a steel chamber w/ radioactive enbstance (NI decay/hr) decays & cost dies no decay & cost lives taken out after 1 hr. -It is very much price or dead.

Not "fazzy" superipose Meant to show the absorbity of QM. My
Now we use it to explain QM Explanations of "Collapsed Wave Function" Quantum Relativity" - Every observer is right!

That's very confusing - how do we mesh billion people's perceptions?

- Do "abservers" need to be "intelligent" maybe just a Superposition of all realities + perspectius

EPR = Einstein Bonis Podolsky Wathan Rusen

Entanglement

Set up an expeniment so that 2 particles get apposite quantities (eg 1 & spins).

You don't know which has 1 or 1

until you measure - Then you instructoratoreously know both

But the other particle didn't have a uppra definite spin

How does the other particle know with when the other was measured

Heisenberg: It must just be experimental error

NO! The second particle can be infinitely for away - man can't feel experimental effects

EPR: hidden variables
"secretly" determine the states of physically variables
- Basically "we don't know"

Hell's tleanen says no!

QM Applications

Quantized energy levels - Characteristic lines - MERSHIFTS

Hawking Radiation?

Bose - Einstein Condensates