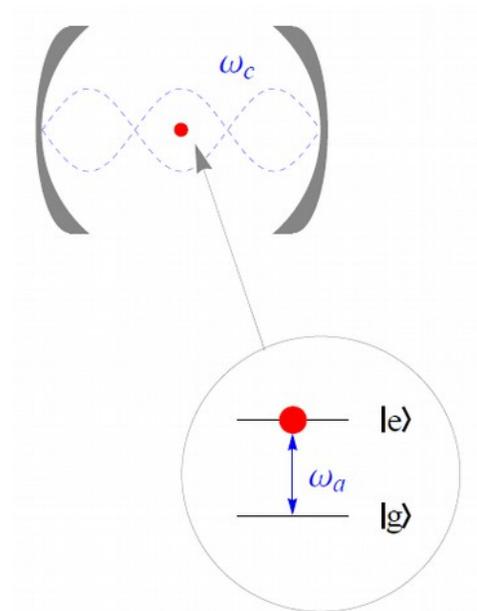


# The Jaynes-Cummings Model



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I have said that the mainstream continues to ignore me across the board, despite the fact that I have revolutionized physics in all areas, and this is just one more example of that. Although the [Jaynes-Cummings model](#) came out in 1963 (the year of my birth) and was soon disproved by all experiment, it has been kept because the mainstream had nothing else. You don't give up something for nothing. But once [my nuclear model came out in 2011](#), this JC model should have been scrapped immediately as the embarrassment it was. Instead, we see places like Wikipedia still selling it as brilliant:

**The Jaynes–Cummings model is of great interest to atomic physics, quantum optics, solid-state physics and quantum information circuits, both experimentally and theoretically.[1] It also has applications in coherent control and quantum information processing.**

False, since the model should be of no interest to anyone and has zero applications. You can't apply a non-mechanical theory. You can only continue to fudge a non-mechanical theory.

You can tell that straight from the illustration under title. The naivete and opacity of that is obvious at a glance, so how does it still exist 59 years later? Here is what it says at Wiki:

**Illustration of the Jaynes-Cummings model. An atom in an optical cavity is shown as red dot on the top left. The energy levels of the atom that couple to the field mode within the cavity are shown in the circle on the bottom right. Transfer between the two states causes photon emission (absorption) by the atom into (out of) the cavity mode.**

What? What is a field mode and how does the atom couple to it? Why do we have two states and why should anything want to transfer between them? What transfers between the two states and why? What in this transfer causes emission, and how? Where was the photon before it was emitted?

Since my diagrams and theory answer all those questions and the Jaynes-Cummings model answers none of them, why is the latter still being sold by the mainstream?

Wiki even admits the theory is garbage:

**Because of the difficulty in realizing such an apparatus, the model remained a mathematical curiosity for quite some time. In 1985, several groups using Rydberg atoms along with a maser in a microwave cavity demonstrated the predicted Rabi oscillations.[7][8] However, as noted before, this effect was later found to have a semi-classical explanation.[4]**

I have shown that the oscillations have a *strictly* classical explanation—ie completely mechanical and visualizable. Besides, as usual, the oscillations *weren't* predicted by Jaynes-Cummings, since they were known beforehand. All EM phenomena like this are oscillating, so any claim predictions were being realized is just more dishonest salesmanship. Even Cummings seemed to realize this, since he soon lost interest in his own theories and moved on to subfields with less data.

As in other subfields of “physics”, this terrible model led to the entire phenomenon being explained using virtual particles and fields, in this case **quantum dots** and **artificial atoms**. Because they weren't able to explain anything with real atoms, they had to create these fake entities to attach their rotten theories to. The fake particles were invented to conform to the theories, which is obviously upside down. It isn't physics. You fit theories to particles, not particles to theories. All this was necessary because they didn't have a model of the nucleus and didn't understand it was channeling charge in defined channels. They didn't realize that the EM field was created that way, and that any applied EM field had to conform to existing fields determined by the elements. They also didn't understand where the electrons were and how they were being herded by the photon field. They thought electrons were in shells distant from the nucleus, but they aren't. Without that knowledge, there was no way they could model anything, which is why these old models look so childish and ridiculous next to mine.

It is also why they have to continue to talk about coupling, when I never do. It is because coupling is an opaque non-mechanical term that you aren't allowed to ask for a strict definition of. When we are told things couple, it just means they interact in some unknown way. Since that reaction is undefined, it can morph from use to use, allow for far more fudge. But my particles never couple. They collide. They don't emit or absorb, either; they channel. Everything in my theories is mechanical and physical, where nothing in their theories is. Which is why my theories are physics, while their theories are magic or wish fulfillment.

This also applies to the Dicke model and the Tavis-Cummings model, both of which, like JC, rely on manufactured two-level systems to explain the interaction of light with matter. Obviously, none of this is necessary if light is channeling right through the nucleus (and baryons, and electrons) in defined streams at all times. In that case, we see that light and matter are ALWAYS interacting, since that is what charge is. Charge is light that is moving through the nucleus or particle, and that is what creates the EM field itself. All EM fields are fields that have been captured and manipulated using matter, since matter is already an EM field.

One of the reasons they want to keep these horrible non-mechanical theories is that it allows them to

continue to work their magic. For instance, this JC theory is used to sell the current mystical ideas of quantum superposition and entanglement, since when the Rabi oscillations are said to be collapsed we are supposed to be seeing an example of that. As usual, there is no evidence of that, they just say it, but that is now state of the art. They get themselves in a jam where the only thing that can get them out is some “esoteric” theory, then use that as proof of the esoteric theory. But since the jam was caused not by need of an esoteric theory, but by crashing ignorance of the charge field, it isn't proof of anything but more crashing ignorance and dishonesty. We see that clearly here, where the JC model is cobbled together with no knowledge of nuclear architecture or charge channeling, that model then hits a wall, and the theorists come up with a bit of magic to answer it. States are superimposed or entangled, we are told, so the old mechanical rules don't apply. And that is supposed to be proof of entanglement. It is beyond belief really. Newton is turning over in his grave, and so is Einstein.

Seeming to realize what a stinking pile of garbage this all is, the authors at Wikipedia soon give up and try to snow you with 20 pages of bad math. Fully  $\frac{3}{4}$  of the JC page is pathetic operator math, with nothing assigned to anything real. Just a bunch of fake Hamiltonians and eigenvalues and “picture dynamics”. If this looks like a bunch of bluff to you, that is because it is. And the guys unloading it on you know that. They know all this stuff isn't math, and many of the top theorists have admitted it is hocus-pocus. See Feynman's late book *QED*, where he says it directly. Again, just ask yourself how they could possibly represent any interaction of light with matter without knowing how matter channels charge? Without a firm model of the nucleus, no equations or theory of any kind is possible on the face of it, so we know without pulling apart all this “math” that it is wrong. And the fact that they would continue to snow you with this crap eleven years after I solved the problem just shows you what kind of people they are. They have been paid to protect standing Nobel prizes and living people, and although Jaynes and Cummings are dead and never won a big prize for this, many others have. My work destroys almost a century of Nobel prizes, so you can see what I am up against. I am not just correcting and superseding centuries of previous theory, I am embarrassing many generations of extravagantly bad “scientists”, whose students are still entrenched in programs all over the world. They will expend their last breaths blocking me, only to keep themselves funded and inflated. They can blaviate about how science is an open project or a search for truth, but when it comes down to it, they prove by their own actions it isn't.