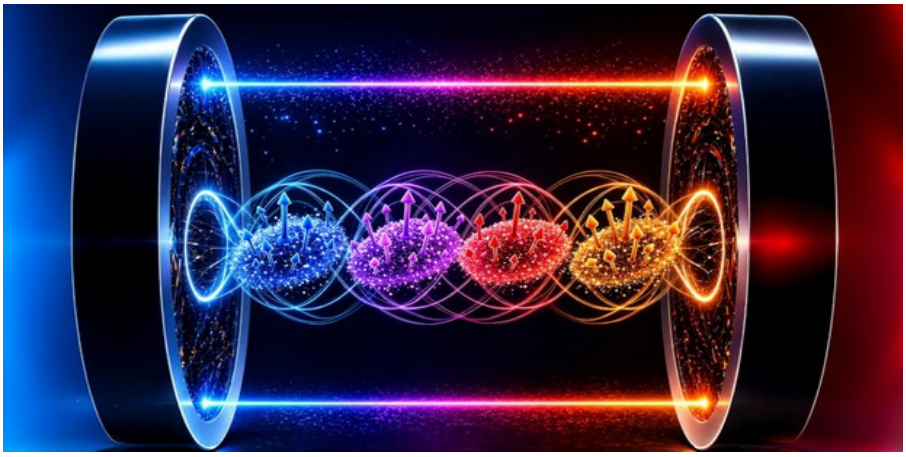
Cavity QED and fake Quantum Computers



by Miles Mathis

June 7, 2026

How do you like the mainstream's illustration of entanglement in a cavity QED? That really clears things up, doesn't it?

To prop up the whole data center fraud, the Department of Energy's Argonne National Lab reported today through *Science Daily* that

A team at the University of Chicago has discovered a surprisingly simple way to create powerful quantum states that are normally difficult to produce.

[Simple, as in the illustration above.] That's the first sentence of the summary, but if we keep reading we discover it is a lie. It is false. This team didn't "discover" anything, it came up with a theory, which is not the same thing. But that's how dishonest and imprecise these mainstream people are: they want you think they don't know the difference between coming up with some theory and making a scientific discovery.

Researchers at the University of Chicago Pritzker School of Molecular Engineering (UChicago PME) have now proposed a much simpler approach. Their new theoretical method can generate and control a wide range of entangled quantum states using tools that are already common in many quantum physics laboratories.

That's the first sentence of the report proper, so we have no match. And they again use the wrong word. They say this theoretical method *can* generate, when they should say it *might* generate, if proved correct, which it has not been.

The work remains theoretical for now, but the researchers are already discussing possible experimental tests with other groups.

That comes later in the report, and it also contradicts other claims preceding it in the report, such as

The researchers also showed that the same platform can generate unusual quantum states that have long attracted interest from physicists.

Except that they didn't "show" anything, except on paper. A lazy reader will come away with the idea these authors actually showed something, when they didn't show anything except another lame theory that says *entanglement* over and over, without once demonstrating anything was entangled.

This theoretical method uses cavity QED, so we can go to the Wikipedia page for that, where we find the first two sentences are:

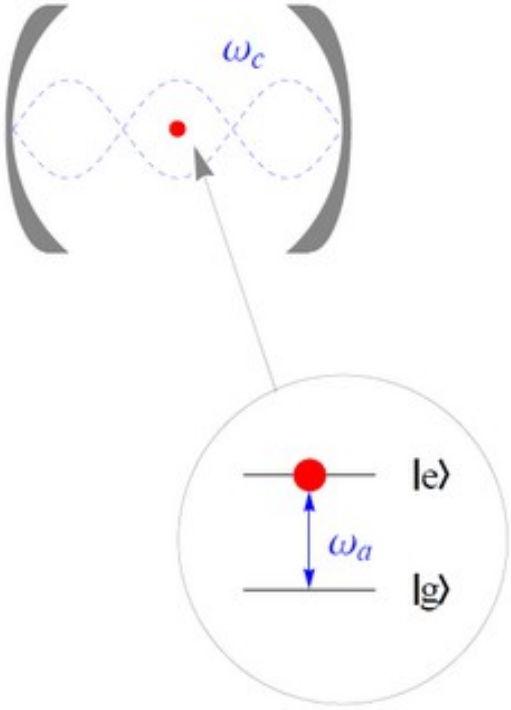
Cavity Quantum Electrodynamics (**cavity QED**) is the study of the interaction between light confined in a reflective cavity and atoms or other particles, under conditions where the quantum nature of photons is significant. It could in principle be used to construct a quantum computer.

It could in principle, *meaning so far it hasn't*. It has NOT been used to construct a quantum computer. And these people in Chicago haven't used it to construct a quantum computer either, so the Wikipedia page does not need updating.

The second paragraph starts this way:

The case of a single 2-level atom in the cavity is mathematically described by the Jaynes–Cummings model, and undergoes vacuum Rabi oscillations . . . .

That's a model, ie more theory, and that theory has also never been proven. Though it has many times been disproven. Consult my 2022 paper entitled The Jaynes-Cummings Model is Garbage:



That is a mainstream illustration of the 1963 Jaynes-Cummings model, which describes an atom (the red dot) coupling to a "field mode". The illustration under title is just a prettier version of that.

Transfer between the two states causes photon emission (absorption) by the atom into (out of) the cavity mode.

Impressive, right? You have to laugh at how bad this is. How can they still be selling this mess 63 years later, in their quantum computing sales pitches? So all the photons in a cavity come from atom emissions? But elsewhere it says they came from powerful lasers. With lasers feeding millions of photons into the cavity, I don't think you need this theory, do you? And where is the charge field here? The charge field is also real photons, as I have proved, so where are they in this model?

I will tell you: they are nowhere, *and they aren't included for a reason.* If you include a real charge field here of real photons, you have just blown the entire entanglement mystery, since with a real charge field you no longer have spooky forces at a distance you need to explain with entanglement. And without entanglement you no longer have a quantum computer, since a quantum computer allegedly works via entanglement, qubits, tunneling, and all the other fake quantum mysteries they use to confuse you into paying more for everything. There is no entanglement, no qubits, no tunneling, and none of this other schist of 20th century physics. It is all the usual conjob, and it has now been linked to the AI and data center pump and dump by these DOE frauds.

If you still don't believe me, you can go to *Physical Review Applied*, the top academic magazine for applied physics, where you will find that, in celebration of the "International Year of Quantum", the magazine is featuring a collection of papers highlighting that field. Included are many papers cheerleading for quantum computers. However, in the lead-off to this section on computing, they admit:

Quantum Computing and Information Processing Platforms

A significant focus in the effort to build a quantum computer, in any of the viable hardware platforms, is to understand and mitigate the primary sources of decoherence and other processes that generate qubit errors. We have collected the following papers to illustrate the key sources of infidelity researchers are attempting to understand, quantify, and moderate or eliminate, over a range of different physical platforms. These could lead to breakthrough improvements that might move one or more platforms out of the "noisy intermediate-scale quantum era".

– **Andrew N. Cleland (University of Chicago, USA)**

There it is, from their own top people: quantum computing is still in the theoretical stage, they haven't yet built one in any viable platform, and they haven't moved out of the noisy intermediate stage—noisy I assume applying to the promotion. The insurmountable problem being that they have defined this in terms of mythical qubits, which do not exist except on paper, and that they are ignoring the charge field, which underlies and drives all particle and field interactions.

But perhaps the central problem here, even beyond ignoring the real charge field, is ignoring the nucleus and its architecture. In the Jaynes-Cummings Model, an atom emits a photon, that emission coming from an electron jump in an orbital. That ignores the nucleus for a reason: *they don't know anything about the nucleus,* so they have to come up with these tinkertoy theories that ignore all the main players here like the nucleus, the baryons, and the charge field. They then cobble together these ridiculous theories of field modes, cavity modes, and vacuum oscillations, which remain undefined and which we have no evidence for. This is what all quantum physics has become: ignoring the particles and fields we know are there and replacing them with quasi (fake) particles and fields that we can fit into operator (fake) math. But now that I have diagrammed the nucleus, this is all just a farce. Electrons aren't emitting photons in quantum jumps, the nucleus is channeling the charge field, and the charge field is real photons. Nothing is emitted or absorbed, it is only channeling and recycled on defined paths. This explains all their mysteries, but they don't want that for obvious reasons. It overwrites centuries of bad theory and ejects centuries of bad theorists from the history books.

I also remind you that this Argonne National Lab in Chicago got its start from Fermi's alleged experiments with nuclear reactors under the stadium at the University of Chicago. It is now funded at $1.1 billion a year, but it hasn't gotten any realer since then. See my long paper on the Manhattan Project for more on that. Reading that will show you how it links to the current conjob.