

The Dancing Particle



Our survival now depends on our ability to cooperate.

We have chased the elementary particle to a level that demands cooperation but we refuse because we don't trust what we can't control. And so, we invent increasingly complex playing fields. But, no matter how much we move the goalposts we are only biding time for the inevitable changing of the guard. Sooner or later we are going to have to go through this doorway. Sooner or later we are going to have to cooperate.

Measure, define and control
Make it belong, make it whole
Nail it down so we can own
Use it to advance the goal.

Technology creates nothing
All is now
We discover and think to own
Just like the Conquistadors of old.

What we cannot measure we can't control
Such a dilemma – must control!
The cutting edge of science has found
A particle that seems to dance alone.

How do we explain this wisping whim
Moving around, won't sit still;
A new frontier to nurture fear
Or a virgin birth to become more clear?

Continued...

Linear complexity, an idiot's delight
This dancing thing just wants to play
Pied Piper piping away
Must turn back or crash and pay!

What is this thing our science can't hold
This messenger entreating us to unfold
A portal, a doorway to a brand new day
A higher rung to see the Way.

The difference Newtonian and Quantum Physics is that the common laws of physics begin to deteriorate on small scales. The reason that quantum physics needs complex math to explain the behaviors and properties of small particles is that the world of these subatomic particles is a very bizarre one, filled with quantum probabilities and organized chaos. For example, the exact position and velocity of an electron is very hard to find because attempts to "see" it involve bouncing other particles off of it. By doing this, you've just changed the electron's velocity, so your data is useless. What quantum physics does is give us the statistical probability of the electron's location at any one moment.

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**"I think I can safely say that nobody understands quantum mechanics."
- Richard P. Feynman**