

# Major Scientific Discovery in Quantum Physics

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*By Dr. Sarah Johnson, Science Correspondent*

**June 15, 2023** - In a development that has stunned the scientific community, researchers at the International Quantum Research Institute have announced a breakthrough that challenges fundamental assumptions about quantum entanglement.

## The Discovery

The team, led by Professor Michael Chen, has demonstrated what they're calling "quantum coherence persistence" - the ability of entangled particles to maintain their connection under conditions previously thought impossible.

"This changes everything," Professor Chen stated at yesterday's press conference. "We've essentially found that quantum entanglement can persist at macroscopic scales and for much longer durations than our models predicted."

## Potential Applications

The discovery opens doors to several potential technological advancements:

- Quantum computers with significantly improved stability
- Ultra-secure communication networks spanning continents
- New approaches to medical imaging at the molecular level

Dr. Elena Rodriguez, a theoretical physicist not involved in the research, called the findings "the most significant development in quantum physics since Bell's theorem."

## Next Steps

The research team plans to submit their findings to *Nature Physics* next week. Independent verification experiments are already being planned at CERN and several other major research facilities worldwide.

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