

10. Superluminal Photons Tunneling through Brain Microtubules Modeled as Metamaterials and Quantum Computation

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- QED coherence;
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- microtubules;
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- water

Abstract

This chapter contains sections titled:

- Introduction
- QED Coherence in Water: A Brief Overview
- “Electronic” QED Coherence in Brain Microtubules
- Evanescent Field of Coherent Photons and Their Superluminal Tunneling through MTs
- Coupling between Nearby MTs and their Superluminal Interaction through the Exchange of Virtual Superradiant Photons
- Discussion
- Brain Microtubules as “Natural” Metamaterials and the Amplification of Evanescent Tunneling Wave Amplitude
- Quantum Computation by Means of Superluminal Photons
- Conclusions

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