

# Quantum-Guided Autoencoding for Enhanced Neutral Atom Reservoir Computing in Medical Image Classification

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**Abstract—ABSTRACT PLACEHOLDER**

**Index Terms—Reservoir Computing, Quantum-Guided Autoencoding, Neutral Atoms, Autoencoder, Dimensionality Reduction, Quantum Machine Learning, Hybrid Quantum-Classical Algorithms, Medical Image Classification**

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## REFERENCES

Identify applicable funding agency here. If none, delete this.