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PT = phase transition
Q = quantum, C in CPT = classical
QDF = quantum double-field
QF-LCA = QDF lens coding algorithm
BEC = Bose-Einstein condensate

QAI = quantum artificial intelligence
QFT = quantum Fourier transform
QF-LCC = QF-LC classification
IEDB = internal-external database
ES = excites state GS = ground state
r/w = read/write

QF-LCA is trained by QDF dataset from a QAI algorithm to make strong predictions after the expected success probability values of  $\langle \mathcal{P}_{\text{success}} \rangle \geq 2/3$ , to values close to 1, or near zero entropy as the system evolves in rerouting energy paths making particles to entangle, replicate, participate and contribute to greater system efficiencies, and/or field transform. Information retrieval and reconstruction of events based on entanglement entropy are examples from the QF-LCA dataset.