Dr. Gil Summy

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Dr. Gil Summy was an undergraduate student at the University of Queensland and Griffith University both located in Brisbane, Australia. His doctoral research was performed at Griffith and involved the manipulation of a sodium atomic beam with laser light for use in studies of electron-atom collisions. He spent seven years as a postdoctoral fellow and later a contract lecturer at the University of Oxford (UK) where he taught undergraduate physics and worked on experiments using laser cooled Cesium atoms.

He has been at Oklahoma State University since 2002, where he and his students have developed experiments to study an ultra-cold state of matter called a Bose-Einstein condensate. Currently his lab is the coldest place in Oklahoma with a temperature of just 100 billionths of a degree above absolute zero. Dr. Summy's research involves using these condensates to study chaos and in particular how the strange behavior of the quantum world can be related to classical mechanics, the type of physics that is embodied by Newton's laws.

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