

Playwright's Note from 2019 Premier of *Entangled*:

In 2008, taking a pause from writing in a physics library and scanning the shelves, I was intrigued when I came across the book *Atom and Archetype: The Pauli/Jung Letters 1932-1958*. This collection of a quarter-century of correspondence between legendary Swiss psychoanalyst Carl Jung and renowned quantum physicist Wolfgang Pauli had been kept secret at the insistence of Pauli's widow for more than 40-years after Pauli's death in 1958. Franca Pauli thought Jung was a crack-pot and diminished her husband's reputation.

Reading this remarkable correspondence, I began to hear what became *Entangled*. Thus, *Entangled* is a work of fiction based deeply in the lives of real people and events as recorded in correspondence, biographies, and autobiographies. It's an exploration of the complexities of friendship, love, death and dreams within the context of the greatest physics and psychology insights of the 20th century.

Carl Jung (1875-1961) is the better known of the pair, the pioneering and controversial psychologist whose insights underpin much of our modern understanding of personality, from coining the terms introvert and extrovert to the framework for the Myers-Briggs test. Pauli (1900-1958) was a physics child prodigy, earning his PhD at age 18 explicating Albert Einstein's theory of general relativity and awarded the 1945 Nobel Prize in physics for the Pauli Exclusion Principle describing why two quantum particles cannot occupy the same space.

But in 1930, at the height of his rational prowess, Pauli was in emotional crisis, tormented by his nighttime dreams. Seeking help, he went to Jung. Pauli shared more than 1300 dreams with Jung who used about 400 of them to document ancient alchemical symbolism in modern dreams.

Yet, they shared an even deeper connection, one that deeply entangled them in one another's psyches and lives. They realized they were exploring the same great mystery, the nature of matter and mind—Pauli with numbers and equations on a blackboard, Jung with dreams and symbols in talk therapy. And in both cases, they were trying to join two dimensions to create a form of divine wholeness: conscious and unconscious; the quantum and the cosmos. They felt an immense intellectual kinship, yet in a personal relationship underlain with uncertainty and deep, unresolved emotional tensions related to loyalty, trust and intimacy. *Entangled* is a play about the search for absolutes and the way we're left with dualities, with fundamental uncertainties, interpretations and with that which matters the most in the end, one another.

-- Jacob Berkowitz