

The Birth of Modern Quantum Mechanics

W P SCHLEICH¹

¹*Institute for Quantum Physics, Ulm University, Ulm, Germany*
Contact Email: wolfgang.schleich@uni-ulm.de

The year 1925 was remarkable – it brought us, courtesy of Werner Heisenberg and Erwin Schrödinger, matrix mechanics as well as wave mechanics. Initially, there was quite a rivalry between the followers of both schools, until it was discovered that the two approaches are identical. Today, wave mechanics dominates. In this talk, we provide a historical perspective on the development of quantum mechanics in this particular year and provide new insight into the Schrödinger equation.