

The Paradoxes of the Interaction-free Measurements

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Z. Naturforsch. **56 a**, 100–107 (2001); received January 12, 2001

*Presented at the 3rd Workshop on Mysteries, Puzzles and Paradoxes in Quantum Mechanics,
Gargnano, Italy, September 17 - 23, 2000.*

Interaction-free measurements introduced by Elitzur and Vaidman [Found. Phys. **23**, 987 (1993)] allow finding infinitely fragile objects without destroying them. Paradoxical features of these and related measurements are discussed. The resolution of the paradoxes in the framework of the Many-Worlds Interpretation is proposed.

Key words: Interaction-free Measurements; Quantum Paradoxes.