Das Projekt kann in deutscher Sprache durchgeführt und dokumentiert werden.

Projektbezeichnung

Usual and weak measurements in quantum mechanics

Aufgabenstellung

In a series of publications


the measurement problem in quantum mechanics was discussed. The usual quantum mechanical measurement, resulting in a collapse of the wave function, is compared to the results of what is called “weak measurement”. The tasks in the present project are as follows:

- The three papers (and probably additional ones) should be compared.
- The differences between the information obtained by both measurements should be worked out.
- The results should be discussed for a specific measurement.
- The question arises whether other generalizations of what could be called measurement can be found.