

Time Reversal and the Neutron

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A number of observables accessible with neutrons are sensitive to violation of time-reversal invariance and, due to the the requirement of symmetry under the combination of charge-conjugation (C), parity (P), and time-reversal (T), of CP symmetry. These include the neutron EDM and T-violating correlations in neutron decay. I will discuss this with particular emphasis on the recently completed analysis of the emiT-II experiment, which measured T-odd, P-even D-coefficient by observing proton-electron coincidences.

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