**A staged approach towards a measurement of the neutron EDM beyond 10-27 ecm sensitivity**

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Since the 1950’s people search for electric dipole moments (EDM) of fundamental systems, an unambiguous manifestation of parity (P) and time reversal symmetry (T) violation. Assuming the conservation of CPT, T violation in a fundamental system also means CP violation. This has only been observed in very few systems in the Standard Model of particle physics (SM) and is not sufficient to describe the matter-antimatter asymmetry in the Universe. With a long history of innovation and persistence, the upper limit for an EDM of the neutron has been pushed to dn < 2.9·10−26 e·cm, an extraordinarily small number. This result restricts many theories for physics beyond the SM and is complementary to physics at the LHC. As one of several new attempts, we are currently commissioning an apparatus at TU München that can potentially further improve the sensitivity of this measurement. The current configuration of the apparatus acts as the basis for a long-term program in stages at a small-scale UCN source and potentially the future UCN source at TU München, with an ultimate target for a statistical sensitivity of few 10-28 e.cm, guided by advanced means to control systematic effects on a comparable level. The status of the experimental hardware and the possible paths and options to obtain physics results will be discussed in this seminar.