NWS09-2009-000016

Abstract for an Invited Paper for the NWS09 Meeting of the American Physical Society

Searches for new physics using the neutron<sup>1</sup> ALEJANDRO GARCIA, University of Washington

The decay of the neutron is one of the simplest weak decays that involve quarks. As such it can be used to search for physics beyond the standard model. In this talk I will describe recent progress in and the future outlook for improving the precision of several observables: the half life and the correlations between the neutron polarization and the momentum of the electron, the neutrino, including one that breaks the symmetry of time reversal.

<sup>1</sup>Supported by US DOE