



Contribution ID: 406

Type: **Poster**

## Neutron-Antineutron Operator Renormalization

*Tuesday, 24 June 2014 18:10 (2 hours)*

Neutron-antineutron oscillation is a baryon number violating process that is predicted to occur in many theories of physics beyond the standard model. To make quantitative predictions that can be compared to experiment, matrix elements of six-quark effective operators must be computed via lattice QCD and must also be connected to continuum beyond the standard model operators. We present preliminary work on computing operator renormalization and lattice-continuum matching factors to facilitate this connection for neutron-antineutron oscillation operators.

**Primary authors:** Dr BUCHOFF, Michael (Institute for Nuclear Theory); WAGMAN, Michael (University of Washington)

**Presenter:** WAGMAN, Michael (University of Washington)

**Session Classification:** Poster session

**Track Classification:** Standard Model Parameters and Renormalization