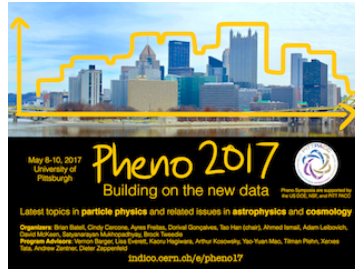


# Phenomenology 2017 Symposium



Contribution ID: 326

Type: parallel talk

## Non-Local QED

*Tuesday 9 May 2017 17:00 (15 minutes)*

A Non-Local quantum field theory extension of QED is considered. Gauge invariance is checked to 1-loop order and the gauge coupling running is shown to be UV-Insensitive. In the future, extending this model to incorporate other fields could provide an avenue for remedying the Higgs vacuum instability problem.

### Summary

**Primary authors:** VILLALBA, Desmond (University of Alabama); Dr OKADA, Nobuchika (University of Alabama)

**Presenter:** VILLALBA, Desmond (University of Alabama)

**Session Classification:** Theoretical Developments