

## Complex Paths around the Sign Problem

*Monday, 25 June 2018 11:45 (45)*

We will discuss a programme to circumvent the “sign problem” in lattice calculations in field theory. The main idea is to deform the region of integration in field space to the complex domain. The theoretical underpinnings and algorithms will be exemplified through the application of the method to low dimensional finite density models and real time calculations.

**Primary author(s)** : Prof. BEDAQUE, Paulo (University of Maryland College Park)

**Presenter(s)** : Prof. BEDAQUE, Paulo (University of Maryland College Park)

**Session Classification** : Plenary