



Contribution ID: 90

Type: not specified

## G flows between Gaussian fixed points

A scalar theory can have many Gaussian (free) fixed points, corresponding to Lagrangians of the form  $\phi \square^k \phi$ . We use the non-perturbative RG to study the flow from the free theory with four derivatives ( $k = 2$ ) to the free theory with two derivatives ( $k = 1$ ), in the presence of a shift-invariant interaction.

**Presenter:** BUCCIO , Diego

**Session Classification:** Poster