

# Probing the Fundamental Nature of Spacetime with the Renormalization Group

Contribution ID: 259

Type: **not specified**

## Asymptotic safety and scalar-tensor theories

*Tuesday, March 24, 2015 2:35 PM (25 minutes)*

I will focus on a class of scalar  $O(N)$  models non minimally coupled to gravity and discuss some results obtained within the functional renormalization group framework in the single metric truncation, using the exponential parametrization of the metric and a specific gauge fixing.

**Presenter:** VACCA, Gian Paolo