



# EINLADUNG

im Rahmen des Teilchenphysikseminars

zum Vortrag

von

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über

***“Perturbative Yang-Mills theory without  
Faddeev-Popov ghost fields”***

**Abstract:**

A modified Faddeev-Popov path integral density for the quantization of Yang-Mills theory in the Feynman gauge is discussed, where contributions of the Faddeev-Popov ghost fields are replaced by multi-point gauge field interactions. An explicit calculation to  $O(g^2)$  shows the equivalence of the usual Faddeev-Popov scheme and its modified version.

**Zeit:** Dienstag, 09.01.2018, 16:15

**Ort:** Erwin Schrödinger-Hörsaal, Boltzmannngasse 5, 5. Stock

gez.: H. Hüffel