



EINLADUNG

im Rahmen des Teilchenphysikseminars

zum Vortrag

von

Malin Sjö Dahl

(Univ. Lund, Schweden)

über

“Invariants for QCD algebra”

Abstract:

Calculations involving the $SU(3)$ structure of QCD are typically performed using so-called trace bases or color flow bases for decomposing color structure. While these spanning sets have some simplifying properties, the fact that they are overcomplete and non-orthogonal becomes a major obstacle for calculations involving many partons. In this talk I will describe how to use group invariants to perform color space calculations instead, and I will argue that this --- once a sufficient set of invariants and an efficient implementation is at hand --- may well be superior.

Zeit: Dienstag, 04.12.2018, **16:15**

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

gez.: A. Hoang, S. Plätzer, M. Procura