

Gemeinsame Veranstaltung von
Humboldt-Universität zu Berlin, Institut für Physik
(Theorie der Elementarteilchen / Computerorientierte Theoretische Physik)
DESY, Zeuthen

<p style="text-align: center;">SEMINAR Feldtheorie auf dem Gitter und Phänomenologie der Elementarteilchen</p>

Am Montag, dem **19. Oktober 2009**, um **16:00 Uhr s.t.** spricht

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zum Thema

Studying beyond-Standard Model physics on the lattice using finite size scaling

Abstract

Recently, people have begun to use lattice techniques to study strongly coupled candidate theories for beyond Standard Model physics. These models generally have gauge coupling constants which run very slowly, maybe even with fixed points. This makes their properties very different from those of ordinary QCD. I describe my work on one candidate theory (SU(3) gauge fields and two flavors of fermions in the sextet representation of the gauge group) and show how the effects of the finite simulation volume allow for an analysis of its properties.

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(Lageplan: http://linde.physik.hu-berlin.de/images/lageplan_neu.gif)

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