

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

SEMINAR

Feldtheorie auf dem Gitter und Phänomenologie der Elementarteilchen

Am Montag, dem **2. Juni**, um **15:30 Uhr s.t.** spricht

Dr. Craig McNeile

University of Glasgow

zum Thema

Some decay constants from twisted mass QCD

Abstract

I review some issues about hadrons that decay via the strong interaction. I then present results for extrapolations of the mass and leptonic decay constant of the rho meson. This analysis requires a discussion of the scale, so I report preliminary results on determining the lattice spacing using NRQCD in the Upsilon system. I also report on the transverse decay constant of the rho meson and describe why it is required in light cone sum rule calculations. I describe a calculation of three decay constants in the charm system and show the relevance to double charmonium production at Belle.

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(Lageplan: <http://linde.physik.hu-berlin.de/images/lageplan.neu.gif>)

Web: <http://www-zeuthen.desy.de/~stschaef/seminar/seminar.html>