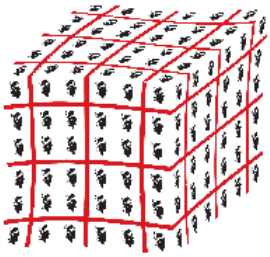

Contribution ID: **327** Type: **not specified**

Form factors of the D -> pion and D -> K semileptonic decays

Tuesday, 15 June 2010 15:10 (20 minutes)

We present lattice results for the form factors relevant in the
D -> pion and D -> K semileptonic decays obtained from simulations
with two flavors of dynamical twisted-mass fermions.
Results at four values of the lattice spacing, ranging from ~ 0.05
up to ~ 0.1 fm, allow a careful study of the discretization effects.
The application of Heavy Meson Chiral Perturbation Theory provides
an extrapolation of our results for both the scalar and the vector
form factors to the physical point with quite good accuracy,
obtaining a nice agreement with the experimental data.

Please, insert your presentation type (talk, poster)

Talk

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Session Classification: Parallel 29: Weak decays and matrix elements

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