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Type: **Talk**

Ground-State Extraction of Heavy-Light-Meson Semileptonic Decay Form Factors

Thursday 6 November 2025 15:30 (20 minutes)

We discuss the extraction of form factors for heavy-light pseudo-scalar to light pseudo-scalar decay form factors from finite time correlation functions. Particular emphasis is placed on controlling the contamination from excited-states using also the information from chiral perturbation theory to isolate the ground-state contribution. The analysis is performed on CLS ensembles with $N_f = 2 + 1$ flavours of $O(a)$ -improved Wilson fermions (presently) at the $SU(3)$ -symmetric point with relativistic heavy-quark masses in the charm region and above. Our form factors will be used in a computation of the $B \rightarrow \pi$ form factors combining the continuum-limit relativistic results with static-limit calculations.

Parallel Session (for talks only)

Quark and lepton flavor physics

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