PHYSICS AND ASTRONOMY
SEMINAR

Prof. Kim Maltman

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"New Results on V_{us} from Inclusive Hadronic Tau Decays"

I   1   determination
universality violation in semileptonic B decays. I de
identified in the conventional implementation of the
and a new implementation of this approach which d

$_{us,}$

and resolves the long-standing inclusive tau V_{us} puzzle. I also describe a new dispersive approach employing only strange tau decay data, with lattice data on the theory side, which is shown to have significantly reduced errors. Targets for experimental improvements in low-multiplicity strange distributions, of potential interest to the Belle II program, having the potential to make this method competitive with conventional K decay determinations, will also be discussed.

Tuesday, October 10, 2017
2:30 p.m.
Elliot Building
Room 161