



# 36th Annual International Symposium on Lattice Field Theory

## Tuesday, July 24, 2018

### Weak Decays and Matrix Elements - 103 (2:00 PM - 3:40 PM)

time	[id] title	presenter
2:00 PM	[M100] Electric Dipole Moment Results from Lattice QCD	Dr DRAGOS, Jack
2:20 PM	[M149] Towards a determination of the quark-chromo EDM with the gradient flow	Dr KIM, Jangho
2:40 PM	[M132] Scalar, Axial and Tensor Matrix elements in light nuclei	Dr DETMOLD, William
3:00 PM	[M136] Nuclear Matrix Elements for Neutrinoless Double Beta Decay from Lattice QCD	Dr MURPHY, David
3:20 PM	[M170] Short Range Operator Contributions to neutrinoless double beta decay from LQCD	MONGE-CAMACHO, Henry

# Wednesday, July 25, 2018

## Weak Decays and Matrix Elements - 103 (2:00 PM - 3:40 PM)

time	[id] title	presenter
2:00 PM	[M94] The $K_{\ell 3}$ form factor from four-flavor lattice QCD and $ V_{us} $	Prof. EL-KHADRA, Aida
2:20 PM	[M11] Calculation of $K \rightarrow \pi l \nu$ form factor in $N_f = 2+1$ QCD at physical point on $(10 \text{ fm})^3$ volume	Mr KAKAZU, Junpei
2:40 PM	[M63] Radiative corrections to decay amplitudes in lattice QCD	Prof. SACHRAJDA, Chris
3:00 PM	[M97] QED corrections to Pion and Kaon decay constants	Mr RICHINGS, James
3:20 PM	[M76] Control of SU(3) symmetry breaking effects in calculations of B meson decay constant	HOLLITT, Sophie

# Thursday, July 26, 2018

## Weak Decays and Matrix Elements - 103 (8:30 AM - 10:30 AM)

time	[id] title	presenter
8:30 AM	[M188] D meson semileptonic decay form factors at $q^2 = 0$	Dr LI, Ruizi
8:50 AM	[M223] Heavy-quark physics with a tmQCD valence action	Dr BUSSONE, Andrea
9:10 AM	[M146] First results for charm physics with a tmQCD valence action	Mr UGARRIO, Javier
9:30 AM	[M108] Charmed (and heavier) meson decay constants and heavy neutral meson mixing in the continuum limit using 2+1f of domain wall fermions	Dr TSANG, J Tobias
9:50 AM	[M123] Masses and decay constants of $B_c^{(*)}$ mesons with $N_f=2+1+1$ twisted mass fermions	Dr SALERNO, Giorgio
10:10 AM	[M17] Heavy quark scaling of $B \rightarrow \pi \ell \ell \nu$ form factors with Mobius domain wall fermions	Dr COLQUHOUN, Brian

## Weak Decays and Matrix Elements - 103 (11:00 AM - 1:00 PM)

time	[id] title	presenter
11:00 AM	[P19] Kaon Matrix Elements from Coarse Lattices	Prof. MAWHINNEY, Robert
11:20 AM	[P10] Studies of $I=0$ and $2 \pi\text{-}\pi$ scattering with physical pion mass	Mr WANG, Tianle
11:40 AM	[P12] Update on the improved lattice calculation of direct CP-violation in K decays	Dr KELLY, Christopher
12:00 PM	[P10] Follow-up on non-leptonic Kaon decays at large $N_c$	Mr ROMERO-LOPEZ, Fernando
12:20 PM	[P15] Progress on the study of electromagnetic corrections to $K \rightarrow \pi \pi$ decay	Prof. FENG, Xu
12:40 PM	[P15] QED-corrected Lellouch-Luescher formula for $K \rightarrow \pi \pi$ decay	Mr CAI, Yiming

# Friday, July 27, 2018

## Weak Decays and Matrix Elements - 103 (2:00 PM - 4:00 PM)

time	[id] title	presenter
2:00 PM	[M19] $B_s \rightarrow D_s \ell \nu$ form factors using heavy HISQ quarks	Mr MCLEAN, Euan
2:20 PM	[M31] $B \rightarrow D^* \ell \nu$ at non-zero recoil	Dr VAQUERO, Alejandro
2:40 PM	[M65] Update on $B \rightarrow D^* \ell \nu$ form factor at zero-recoil using the Oktay-Kronfeld action	Dr PARK, Sungwoo
3:00 PM	[M9] 2018 update of $\epsilon_K$ with lattice QCD inputs	Prof. LEE, Weonjong
3:20 PM	[M99] Kaon mixing beyond the standard model with physical masses.	Ms KETTLE, Julia
3:40 PM	[M51] Results for the mass difference between the long- and short-lived K mesons for physical quark masses	Mr WANG, Bigeng

## Weak Decays and Matrix Elements - 103 (4:30 PM - 6:30 PM)

time	[id] title	presenter
4:30 PM	[M22] Hypercubic effects in semileptonic decays of heavy mesons, toward $B \rightarrow \pi \ell \nu$ with $N_f=2+1+1$ Twisted fermions	Dr RIGGIO, Lorenzo
4:50 PM	[M83] $B \rightarrow \pi \ell \nu$ and $B \rightarrow \pi \ell \ell \nu$ decays with HISQ/NRQCD valence quarks on $N_f=2+1$ asqtad ensembles.	BOUCHARD, Christopher
5:10 PM	[M12] Semileptonic decays of $B_{(s)}$ mesons to light pseudoscalar mesons on four-flavor HISQ ensembles	Mr GELZER, Zechariah
5:30 PM	[M33] Semi-leptonic form factors for $B_s \rightarrow K \ell \nu$ and $B_s \rightarrow D_s \ell \nu$	WITZEL, Oliver Witzel
5:50 PM	[M9] Determining the Efficacy of different parameterizations of the z-expansion	Mr GUSTAFSON, Erik
6:10 PM	[M78] Flavor anomalies & the lattice	SONI, Amarjit