



# The 34th International Symposium on Lattice Field Theory (Lattice 2016)

## Monday 25 July 2016

### Hadron Spectroscopy and Interactions - Building B2a Room 2065 (14:15-16:15)

-Conveners: Sasa Prelovsek

time	[id] title	presenter
14:15	[335] Heavy and light spectroscopy near the physical point, Part I: Charm and bottom baryons	Dr HUDSPITH, Renwick J.
14:35	[334] Heavy and light spectroscopy near the physical point, Part II: Tetraquarks	Dr FRANCIS, Anthony
14:55	[322] Lattice QCD searches for tetraquarks containing charm quarks	Mr CHEUNG, Gavin
15:15	[100] Including heavy spin effects in a lattice QCD study of static-static-light-light tetraquarks	Prof. BICUDO, Pedro
15:35	[104] Lattice QCD study of heavy-heavy-light-light tetraquark candidates	Ms PETERS, Antje
15:55	[254] Searching for evidence of diquark states using lattice QCD simulations	Mr FUKUDA, Ryutaro

### Hadron Spectroscopy and Interactions - Building B2a Room 2065 (16:45-18:45)

-Conveners: Christine Davies

time	[id] title	presenter
16:45	[307] Importance of closed quark loops for lattice QCD studies of tetraquarks	Mr BERLIN, Joshua
17:05	[311] Using a new analysis method to extract excited states in the scalar meson sector	Dr FINKENRATH, Jacob
17:25	[170] Computing the static potential using non-string-like trial states	Mr NEITZEL, Tobias
17:45	[182] Testing the hadro-quarkonium model on the lattice	Prof. KNECHTLI, Francesco
18:05	[324] Hindered M1 Radiative Decays	Mr HUGHES, Ciaran
18:25	[237] Towards radiative transitions in charmonium	Mr O'HARA, Cian

## Tuesday 26 July 2016

### Hadron Spectroscopy and Interactions - Bulding B2a Room 2065 (14:00-16:00)

-Conveners: Jozef Dudek

time	[id] title	presenter
14:00	[187] The Rho Resonance from Twisted Mass Lattice QCD	WERNER, Markus
14:20	[9] Two-flavor simulations of the rho(770) and the role of the KKbar channel	Mr HU, Bin
14:40	[336] Utilising optimised operators and distillation to extract scattering phase shifts	Mr WOSS, Antoni
15:00	[62] Angular and chiral content of the $\rho$ and $\rho'$ mesons	ROHRHOFER, Christian
15:20	[105] Hadron scattering and resonances	Dr BRICENO, Raul
15:40	[193] Progress on three-particle quantization condition	Prof. SHARPE, Stephen

### Hadron Spectroscopy and Interactions - Building B2a Room 2065 (16:30-18:30)

-Conveners: Stephen Sharpe

time	[id] title	presenter
16:30	[344] Kaon Kaon scattering at maximal isospin from $N_f=2+1+1$ twisted mass lattice QCD	Mr HELMES, Christopher
16:50	[7] An $a_0$ resonance in strongly coupled $\pi$ $\eta$ , $\overline{K}K$ scattering from lattice QCD	DUDEK, Jozef
17:10	[229] The isospin-0 pion-pion scattering length from twisted mass lattice QCD	Dr LIU, Liuming
17:30	[47] Lattice operators for scattering of particles with spin	PRELOVSEK, Sasa
17:50	[264] Glueball spectrum from $N_f=2$ lattice QCD study on anisotropic lattices	Prof. CHEN, Ying

# Thursday 28 July 2016

## Hadron Spectroscopy and Interactions - Building B2a Room 2065 (14:00-16:00)

-Conveners: Gunnar Bali

time	[id] title	presenter
14:00	[266] Charm physics by $N_f=2+1$ Iwasaki gauge and the six stout smeared $O(a)$ -improved Wilson quark actions on a $96^4$ lattice	NAMEKAWA, Yusuke
14:20	[383] Spectroscopy of charmed mesons from lattice QCD	Mr TIMS, David
14:40	[269] Impact of dynamical charm quarks	Dr KORZEC, Tomasz
15:00	[36] Coupled-channel analysis of $D\pi$ , $D\eta$ and $D_{s1}\bar{K}$ scattering using lattice QCD	Dr MOIR, Graham
15:20	[2] Charm-strange mesons and D K scattering	Dr THOMAS, Christopher
15:40	[265] Near threshold states $D_{s0}^*(2317)$ and $D_{s1}(2460)$	Mr COX, Antonio

## Hadron Spectroscopy and Interactions - Building B2a Room 2065 (16:30-18:30)

-Conveners: Andre Walker-Loud

time	[id] title	presenter
16:30	[110] Baryon interactions in lattice QCD: the direct method vs. the HAL QCD potential method	Dr IRITANI, Takumi
16:50	[117] Luescher's finite volume test for two-baryon systems with attractive interactions	Prof. AOKI, Sinya
17:10	[113] Systematic study of operator dependence in nucleus calculation at large quark mass	YAMAZAKI, Takeshi
17:30	[256] Properties of non-local wave function equivalent potential with generalized derivative expansion	Mr SUGIURA, Takuya
17:50	[213] The coupled channel approach to the $\Lambda_c N - \Sigma_c N$ system in lattice QCD	Mr MIYAMOTO, Takaya for HAL QCD Collaboration
18:10	[163] An application of stochastic LapH method to Hadron interaction in lattice QCD	KAWAI, Daisuke

# Friday 29 July 2016

## Hadron Spectroscopy and Interactions - Building B2a Room 2065 (14:00-16:00)

-Conveners: Sinya Aoki

time	[id] title	presenter
14:00	[135] Baryon interactions from lattice QCD with physical masses -- Overview and $S = 0, -4$ sectors --	TAKUMI, Doi
14:20	[289] Baryon interactions from lattice QCD with physical masses -- $S=-3$ sector: $\Xi\Sigma$ & $\Xi\Lambda$ - $\Xi\Sigma$ --	Prof. ISHII, Noriyoshi
14:40	[208] Baryon interactions from lattice QCD with physical masses -- $S=-2$ sector --	Dr SASAKI, Kenji
15:00	[96] $\Lambda$ -Nucleon and $\Sigma$ -Nucleon interactions from lattice QCD with physical masses	Dr NEMURA, Hidekatsu
15:20	[221] Approaching the bottom using fine lattices with Domain-wall fermions.	Dr FAHY, Brendan
15:40	[89] Charmed-bottom mesons from Lattice QCD	Prof. MATHUR, Nilmani

## Hadron Spectroscopy and Interactions - Building B2a Room 2065 (16:30-17:30)

-Conveners: Nilmani Mathur

time	[id] title	presenter
16:30	[109] Towards the continuum limit with improved Wilson fermions employing open boundary conditions. Part 1.	SOELDNER, Wolfgang
16:50	[99] Towards the continuum limit with improved Wilson fermions employing open boundary conditions. Part 2.	Prof. BALI, Gunnar
17:10	[360] Scaling and properties of $1/a = 1$ GeV, 2+1 flavor Mobius Domain Wall Fermion ensembles	MAWHINNEY, Robert