

QCD Downunder 2017
Novotel Oasis Cairns
10 – 14 July 2017

Monday, 10 July 2017

8.00 Registration – Foyer, Room M1

Session Chair: Anthony Thomas

9.00 Ralph GOTHE QCD where it Matters

9.40 Robert PERRY Chiral corrections to electromagnetic form factors in the NJL model

10.00 Takeshi YAMAZAKI Binding energy of light nucleus from lattice QCD

10.30 Coffee Break

Session Chair: Ross Young

11.00 Kim MALTMAN Towards a competitive V_{us} determination using strange hadronic tau decay data and lattice HVPs

11.30 Wally MELNITCHOUK First simultaneous extraction of parton distribution and fragmentation functions from global QCD analysis

12.00 Finn STOKES Structure of nucleon excitations on the lattice

12.30 LUNCH – Mizuna Resturant

15.00 Coffee Break

Session Chair: Anthony Williams

15.30 Peter TANDY Aspects of nucleon and pion parton distributions

16.00 Ayse KIZILERSU Quark-gluon interactions in QCD

16.30 Anthony THOMAS Origins of atomic nuclei in QCD

17.00 Welcome Reception
Aqua Poolside Bar

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Tuesday, 11 July 2017

Session Chair: Ralph Gothe

9.00	Martin SEVIOR	The role of QCD in interpreting the physics of Belle II
9.40	Sophie HOLLITT	Understanding B physics in the Standard Model: lattice QCD and the Belle II experiment
10.10	Asobu SUZUKI	Calculation of decay constant using gradient flow, towards the Kaon bag parameter
10.30	Coffee Break	

Session Chair: Peter Tandy

11.00	Chris ALLTON	Hadrons at tropical temperatures: parity and strangeness effects
11.30	Josh CHARVETTO	Interactions in the vacuum and the chiral magnetic effect on the lattice
11.50	Kim SOMFLETH	Gluonic structure of the nucleon
12.10	Jacob BICKERTON	Transverse spin structure of the octet baryons using lattice QCD
12.30	LUNCH – Mizuna Resturant	
15.00	Coffee Break	

Session Chair: Takeshi Yamazaki

15.30	Shoichi SASAKI	Nucleon structure from 2+1 flavor lattice QCD near the physical point
16.00	Hrayr MATEVOSYAN	Two-hadron correlations in polarized quark hadronization
16.30	JiaJun WU	The new method to extract the spectra of irreducible representation of lattice

Wednesday, 12 July 2017

FREE DAY

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Thursday, 13 July 2017

Session Chair: *Fernanda Steffens*

9.00	Gerrit SCHIERHOLZ	Hadron structure functions and PDFs from lattice operator product expansion
9.30	Taylor HAAR	Single flavour pseudofermions on the lattice
9.50	Junpei KAKAZU	Electromagnetic pion form factor at physical point from $N_f = 2+1$ QCD
10.10	Kay-Marie MARTINEZ	Parameter optimisation for the quark-meson coupling model using the POUNDERS algorithm
10.30	Coffee Break	

Session Chair: *Shoichi Sasaki*

11.00	Waseem KAMLEH	Landau mode quark operators for the nucleon in a magnetic field
11.30	Ryan BIGNELL	Nucleon magnetic properties using Landau mode operators with the background field method
11.50	Zachary KOUMI	Hadron spectroscopy from lattice QCD+QED
12.10	Alex WESTIN	Towards a full QED + QCD calculation of the leading order HVP in the muon's anomalous magnetic moment
12.30	LUNCH – Mizuna Resturant	
15.00	Coffee Break	

Session Chair: *Jack Dragos*

15.30	Alexander CHAMBERS	Hadron structure from the Feynman-Hellmann theorem
16.00	Derek LEINWEBER	Nature of the Roper Resonance
16.30	Anthony WILLIAMS	Direct detection of Dark Matter
19.00	Workshop Dinner Room M1	

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Friday, 14 July 2017

Session Chair: Chris Allton

9.00	No Talk	
9.30	Cristian PISANO	Three-dimensional parton distributions inside the nucleon
10.00	Jack DRAGOS	Electric dipole moment results from lattice QCD
10.30	Coffee Break	
<i>Session Chair: Wally Melnitchouk</i>		
11.00	Fernanda STEFFENS	Recent developments on computing PDFs using the quasi-PDF approach
11.30	Stephen TRONCHIN	Structure functions in-medium and the EMC effect
11.50	Ali ALKATHIRI	Implications of charge symmetry violation in the determination of strangeness form factors
12.10	James ZANOTTI	Isospin breaking effects on nucleon structure from lattice QCD+QED
12.40	LUNCH and Workshop Close	