

Session Program

4-7 Jun 2024

Hadronic physics and heavy quarks on the lattice

Presentations

Hamilton Mathematics Institute, TCD, Salmon Lecture Theatre
Hamilton Building Trinity College Dublin College Green Dublin 2 Ireland

Tuesday 4 June

09:30

Presentations

Session |

Location: Hamilton Mathematics Institute, TCD, Salmon Lecture Theatre, Hamilton Building Trinity College Dublin College Green Dublin 2 Ireland

09:30–10:15

Non-perturbative step-scaling and its application to heavy quark physics

Speaker

Simon Kuberski

10:15

10:45

Presentations

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10:45–11:30

The perturbative gradient flow and its applications

Speaker

Robert Harlander

11:30–12:15

Heavy quarks in perturbation theory

Speaker

Peter Marquard

12:15

14:00

Presentations

Session |

Location: Hamilton Mathematics Institute, TCD, Salmon Lecture Theatre, Hamilton Building Trinity College Dublin College Green Dublin 2 Ireland

14:00–14:45

Heavy quark physics with partially-quenched twisted quarks

Speaker

Gregorio Herdoiza

14:45

Wednesday 5 June

09:30

Presentations

Session |

Location: Hamilton Mathematics Institute, TCD, Salmon Lecture Theatre, Hamilton Building Trinity College Dublin College Green Dublin 2 Ireland

09:30–10:15

Non-perturbative decoupling of heavy quarks

Speaker

Tomasz Korzec

10:15

10:45

Presentations

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10:45–11:30

Charm-quark mass from massive non-perturbative renormalisation scheme RI/mSMOM

Speaker

Felix Benjamin Erben

11:30–12:15

The H-dibaryon (CANCELLED)

Speaker

Jeremy Green

12:15

14:00

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14:00–14:45

Scale setting on the (2+1+1)-flavor HISQ ensembles: current status

Speaker

Alexei Bazavov

14:45

Thursday 6 June

09:30

Presentations

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09:30–10:15

Recent exotic states from LHCb

Speaker

Prof. Mikhail Mikhasenko

10:15

10:45

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10:45–11:30

Exotic hadrons with heavy quarks -- from exploratory calculations to reliable results

Speaker

Daniel Mohler

11:30–12:15

Scalar and tensor charmonium resonances from lattice QCD

Speaker

David Wilson

12:15

14:00

Presentations

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14:00–14:25

Simulation of Z2 gauge model using Variational Autoregressive Network (VAN). [CANCELLED]

Speaker

Vaibhav Chahar

14:25–14:50

Notes on distillation profiles

Speaker

Jan-Philip Neuendorf

14:50

Friday 7 June

09:30

Presentations

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09:30-10:15

Near-threshold states in coupled $DD^*-D^*D^*$ scattering from lattice QCD

Speakers

Travis Whyte, Travis Whyte

10:15

10:45

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10:45-11:10

Pion mass dependence in $D\pi$ scattering and the $D_0^{*(2300)}$ resonance from lattice QCD

Speaker

Haobo Yan

11:10-11:35

Spectroscopy of lattice gauge theories from spectral densities

Speakers

Niccolo Forzano, Niccolo' Forzano

11:35-12:00

The quenched glueball spectrum from smeared spectral densities

Speakers

Antonio Smecca, Antonio Smecca

12:00