Session Program

26-30 Jul 2021

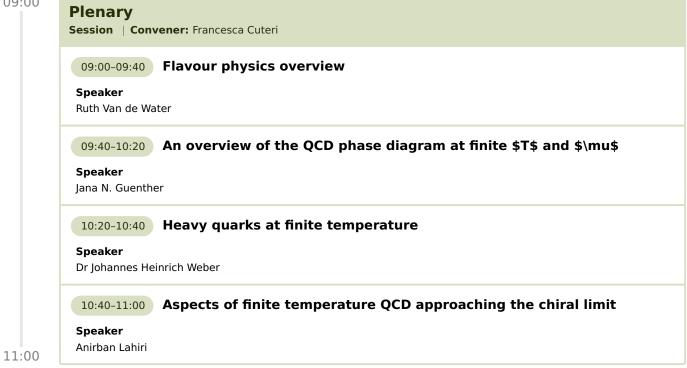


The 38th International Symposium on Lattice Field Theory

Plenary

Monday 26 July

09:00



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Tuesday 27 July

09:00 **Plenary** Session | Convener: Bipasha Chakraborty 09:00-09:20 Direct CP violation and the $\Delta l=1/2$ rule in $K\rightarrow\pi\pi$ decay from the Standard Model **Speakers** Christopher Kelly, Christopher Kelly Semileptonic \$b \to u\$ decays and \$|V_{ub}|\$ Speaker Jonna Koponen 09:40-10:10 Effective Field Theories and Lattice QCD for the X Y Z frontier Speaker Nora brambilla 10:10-10:40 Lattice field theory and BSM phenomenology: The beginning of a beautiful friendship Speaker Giacomo Cacciapaglia 10:40-11:00 Recent work on tessellations of hyperbolic geometries Speaker

11:00

Judah Unmuth-Yockey

Wednesday 28 July

09:00

Plenary

Session | Convener: Kari Rummukainen

09:00-09:30

Perspectives on the current status of and future prospects for ML in lattice QFT

Sebastien Racaniere

09:30-09:50 QFT Dynamics from CFT Data with Lightcone Conformal Truncation

Speakers

Liam Fitzpatrick, Liam Fitzpatrick

09:50-10:20

Gender and racial discrimination in STEM: Intersecting oppressions with multifaceted solutions

Speaker

Asia Eaton

10:20-11:00 Wilson award: Maxwell Hansen

Speakers

Kari Rummukainen, Maxwell Hansen

11:00

Thursday 29 July

09:00 **Plenary** Session | Convener: Chris Monahan 09:00-09:30 The US Electron Ion Collider and Lattice QCD: Physics Opportunities and **Experimental Challenges** Speaker Abhay Deshpande 09:30-10:10 Progress in x-dependent partonic distributions from lattice QCD Speaker Krzysztof Cichy 10:10-10:30 Recent progress on nucleon form factors Speaker Dalibor Djukanovic 10:30-11:00 The impact of LQCD on transverse momentum parton phenomenology **Speakers** Iain Stewart, Iain Stewart 11:00

Friday 30 July

01:00 **Plenary** Session | Convener: Xu Feng 01:00-01:40 Spectroscopy and Hadron Interactions Speaker Ben Hoerz 01:40-02:00 Recent developments in nuclear lattice effective field theory Speaker Bingnan Lu 02:00-02:20 Software development and performance of Fugaku and ARM architectures Speaker Yoshifumi Nakamura 02:20-02:40 Lattice Meets Lattice - Application of Lattice Cubature to Models in Lattice Gauge **Theory** Speaker Frances Kuo 02:40-03:00 A physicist-friendly reformulation of the Atiyah-Patodi-Singer index (on a lattice) Speaker Hidenori Fukaya 03:00-03:20 Recent progress in the tensor renormalisation group **Speakers** Daisuke Kadoh, Daisuke Kadoh 03:20 09:00 **Plenary** Session | Convener: Christoph Lehner 09:00-09:40 Review of muon g-2 Speaker Aida El-Khadra

9:00-09:40 Review of muon g-2

Speaker
Aida El-Khadra

09:40-10:00

Muon g-2: BMW calculation of the hadronic vacuum polarization contribution

Speaker
Balint Toth

10:00-10:40 Computing System Trends and Performance Portability

Speaker
Balint Joo

10:40-11:00

10:40-11:00 SU(3) gauge theory on quantum hardware

Speaker

Natalie Klco

11:00