CFT in Lorentzian Signature 1

Monday, 4 February 2019 09:30 (60)

Presenter(s) : SIMMONS-DUFFIN, David (IAS)
Constraints on Quantum Gravity 1

Monday, 4 February 2019 11:00 (60)

Presenter(s): OOGURI, Hirosi
Constraints on Quantum Gravity 2

Monday, 4 February 2019 12:00 (60)

Presenter(s) : OOGURI, Hirosi
Geometric Engineering - Four Ways 1

Presenter(s): SCHAFER-NAMeki, Sakura (Caltech)
Geometric Engineering - Four Ways 2

Monday, 4 February 2019 15:30 (60)

Presenter(s): SCHAFER-NAMEKI, Sakura (Caltech)
Discussion

Monday, 4 February 2019 17:00 (60)
Geometric Engineering - Four ways 3

Tuesday, 5 February 2019 09:30 (60)

Presenter(s): SCHAFER-NAMIKI, Sakura (Caltech)
CFT in Lorentzian Signature 2

Tuesday, 5 February 2019 11:00 (60)

Presenter(s): SIMMONS-DUFFIN, David (IAS)
CFT in Lorentzian Signature 3

Tuesday, 5 February 2019 12:00 (60)

Presenter(s) : SIMMONS-DUFFIN, David (IAS)
Geometric Engineering - Four ways 4

Tuesday, 5 February 2019 14:30 (60)

Presenter(s): SCHAFER-NAMEKI, Sakura (Caltech)
Constraints on Quantum Gravity 3

Tuesday, 5 February 2019 15:30 (60)

Presenter(s): OOGURI, Hirosi
Discussion

Tuesday, 5 February 2019 17:00 (60)
Positive Geometry of Effective Field Theory 1

Wednesday, 6 February 2019 09:30 (60)

Presenter(s): ARKANI-HAMED, Nima (IAS)
Positive Geometry of Effective Field Theory 2

Wednesday, 6 February 2019 10:30 (60)

Presenter(s): ARKANI-HAMED, Nima (IAS)
The study of black holes has revealed a deep connection between quantum information and space-time geometry. Precise formulations of this conjectural relation have recently led to new insights in Quantum Field Theory. An important example is the QNEC, a lower bound on the local energy density in terms of the flow of nonlocal information. These results pertain to an unexplored, but accessible regime of the Standard Model: quantum coherent, relativistic, and low energy. They are most easily understood as implications of specific conjectures about quantum gravity, so their experimental tests at low energies would probe our hypotheses about unification at the highest energy scales.

**Presenter(s):** Prof. BOUSSO, Raphael (UC Berkeley)
Constraints on Quantum Gravity 4

Thursday, 7 February 2019 09:30 (60)

Presenter(s): OOGURI, Hirosi
Positive Geometry of Effective Field Theory 3

Thursday, 7 February 2019 11:00 (60)

Presenter(s): ARKANI-HAMED, Nima (IAS)
Positive Geometry of Effective Field Theory 4

Thursday, 7 February 2019 12:00 (60)

Presenter(s) : ARKANI-HAMED, Nima (IAS)
Quantum information aspects of Quantum Fields and Gravity 1

Thursday, 7 February 2019 14:30 (60)

Presenter(s): FAULKNER, Thomas
Quantum information aspects of Quantum Fields and Gravity 2

Thursday, 7 February 2019 15:30 (60)

Presenter(s): FAULKNER, Thomas
Discussion

Thursday, 7 February 2019 17:00 (60)
CFT in Lorentzian Signature 4

Friday, 8 February 2019 09:30 (60)

Presenter(s): SIMMONS-DUFFIN, David (IAS)
Quantum information aspects of Quantum Fields and Gravity 3

Friday, 8 February 2019 11:00 (60)

Presenter(s): FAULKNER, Thomas
Quantum information aspects of Quantum Fields and Gravity 4

Friday, 8 February 2019 12:00 (60)

Presenter(s): FAULKNER, Thomas
Before, Behind, and Beyond the Standard Model

Friday, 8 February 2019 14:30 (60)

Presenter(s): WULZER, Andrea (CERN)
CFT in Lorentzian Signature 5

Friday, 8 February 2019 15:30 (60)

Presenter(s) : SIMMONS-DUFFIN, David (IAS)
School dinner

Tuesday, 5 February 2019 18:30 (60)