Current Themes in High Energy Physics and Cosmology

Report of Contributions

https://indico.nbi.ku.dk/e/NBIA-Current-Themes-2018

Contribution ID: **2** Type: **not specified**

Exploring a QFT as a UV completion for gravity

Summary

Presenter: Prof. DONOGHUE, John

Contribution ID: **3** Type: **not specified**

Dark Matter in Disequilibrium

Summary

Presenter: Prof. LISANTI, Mariangela

Contribution ID: **4** Type: **not specified**

SIMP, Hierarchy problem, Quintessence

Summary

Presenter: Prof. MURAYAMA, Hitoshi

Contribution ID: **5** Type: **not specified**

Classical double copy for strings and other extended objects

Summary

Presenter: Prof. GOLDBERGER, Walter

Contribution ID: **6** Type: **not specified**

Quantum Amplitudes for Classical Physics

Summary

Presenter: Prof. O'CONNELL, Donal

Contribution ID: **7** Type: **not specified**

The wavefunction of the universe, cosmological polytopes and the emergence of Lorentz invariance and unitarity

Summary

Presenter: Dr BENINCASA, Paolo

Contribution ID: **8** Type: **not specified**

Black Hole Entropy from Soft Hair

Blackboard lecture

Summary

Presenter: Prof. PERRY, Malcolm

Contribution ID: **9** Type: **not specified**

Amplituhedra, Associahedra, EFThedra and CFThedra: Positive Geometry in the Real World

Summary

Presenter: Prof. ARKANI-HAMED, Nima

Contribution ID: **10** Type: **not specified**

UV structure of gravity loop integrands

Summary

Presenter: Prof. TRNKA, Jaroslav

Contribution ID: **11** Type: **not specified**

Current Themes in the Analytical bootstrap

Summary

Presenter: Prof. ALDAY, Luis Fernando

Contribution ID: **12** Type: **not specified**

Is the universe isotropic?

Summary

Presenter: SARKAR, Subir (NBI Copenhagen and University of Oxford)

Contribution ID: **13** Type: **not specified**

Quantization of Black Holes with or without strings

Summary

Presenter: Prof. 'T HOOFT, Gerard

Contribution ID: **14** Type: **not specified**

Scattering Amplitudes from Ambitwistor Strings

Summary

Presenter: Prof. MONTEIRO, Ricardo

Contribution ID: **15** Type: **not specified**

Coordinate space approach to double copy

Summary

Presenter: Prof. DUFF, Michael

Contribution ID: **16** Type: **not specified**

Spontaneous CP breaking and the axion potential: an effective Lagrangian approach

Summary

Presenter: Prof. DI VECCHIA, Paolo

Contribution ID: **17** Type: **not specified**

The End of the World As We Know It

Summary

Presenter: Prof. STEINHARDT, Paul

Contribution ID: **18** Type: **not specified**

Challenges for physical cosmology after Planck

Summary

Presenter: Prof. ZALDARRIAGA, Matias

Contribution ID: **19** Type: **not specified**

The quantization of black holes and its impact on particle physics and general relativity

Sackler Lecture

Summary

Presenter: Prof. 'T HOOFT, Gerard