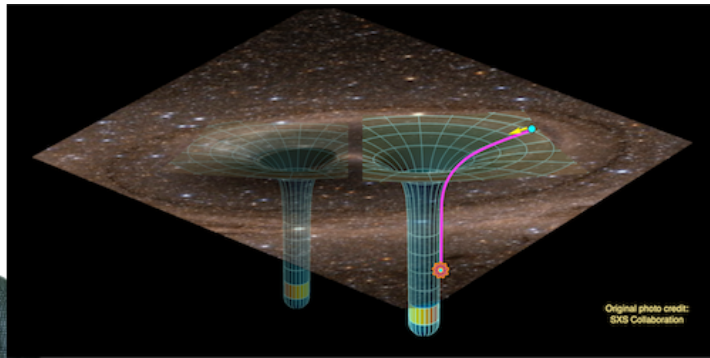


Black-Hole Microstructure IV: 26th Rencontres Itzykson



Report of Contributions

Contribution ID: 1

Type: **not specified**

Fuzzballs and Horizon-scale Microstructure: From Theory to Observations

Monday, June 6, 2022 10:00 AM (1 hour)

Presenter: MAYERSON , Daniel

Contribution ID: 2

Type: **not specified**

Black holes?

Monday, June 6, 2022 11:30 AM (1 hour)

Abstract: One of the most remarkable possibilities of General Relativity concerns gravitational collapse to black holes, leaving behind a geometry with light rings, ergoregions and horizons. These peculiarities are responsible for uniqueness properties and energy extraction mechanisms that turn black holes into ideal laboratories of strong gravity, of particle physics (yes!) and of possible quantum-gravity effects.

I will discuss some of the latest progress in testing the black-hole nature of compact objects.

Presenter: CARDOSO, Vitor

Contribution ID: 3

Type: **not specified**

Horizonless black hole mimickers from bubbles of AdS

Monday, June 6, 2022 2:30 PM (1 hour)

Presenter: DANIELSON, Ulf

Contribution ID: 4

Type: **not specified**

Black hole imaging: theory and observations

Monday, June 6, 2022 4:00 PM (1 hour)

Presenter: GRALLA, Sam

Contribution ID: 5

Type: **not specified**

Daniel Mayerson

Presenter: MAYERSON , Daniel

Contribution ID: 6

Type: **not specified**

BH and Fuzzball PerturbationTheory using Quantum Seiberg-Witten Curves

Tuesday, June 7, 2022 10:00 AM (1 hour)

Presenter: BIANCHI, Massimo

Contribution ID: 7

Type: **not specified**

What is the fate of Hawking evaporation in gravity theories with higher curvature terms?

Tuesday, June 7, 2022 11:30 AM (1 hour)

Presenter: PANI, Paolo

Contribution ID: 8

Type: **not specified**

New non-BPS Topological Solitons in Supergravity

Tuesday, June 7, 2022 2:30 PM (1 hour)

Presenter: HEIDMANN, Pierre

Contribution ID: 9

Type: **not specified**

Bootstrapping the effect of the twist operator in symmetric orbifold CFTs

Tuesday, June 7, 2022 4:00 PM (1 hour)

Presenter: HAMPTON, Shaun

Contribution ID: **10**

Type: **not specified**

Bounds on quantum evolution complexity via lattice cryptography

Wednesday, June 8, 2022 10:00 AM (1 hour)

Presenter: CRAPS, Ben

Contribution ID: 11

Type: **not specified**

Singular Limit of Smooth Microstate Geometries

Wednesday, June 8, 2022 11:30 AM (1 hour)

Presenter: CEPLAK, Nejc

Contribution ID: 12

Type: **not specified**

The Horowitz-Polchinski solution and string microstates

Wednesday, June 8, 2022 2:00 PM (1 hour)

Presenter: CHEN, Yiming

Contribution ID: 13

Type: **not specified**

Black hole entropy sourced by string winding condensate: outside and inside views

Wednesday, June 8, 2022 3:30 PM (1 hour)

Presenter: BRUSTEIN, Ram

Contribution ID: 14

Type: **not specified**

Shockwaves in Black Hole Microstate Geometries

Thursday, June 9, 2022 10:00 AM (1 hour)

Presenter: TURTON, David

Contribution ID: 15

Type: **not specified**

Heavy-Light correlators at the end of the world(sheet)

Thursday, June 9, 2022 11:30 AM (1 hour)

Presenter: KOVENSKY, Nicolas

Contribution ID: **16**

Type: **not specified**

Black Holes and the Swampland

Thursday, June 9, 2022 2:30 PM (1 hour)

Presenter: LÜST, Dieter

Contribution ID: 17

Type: **not specified**

Near BPS Black Hole Microstates from Supergravity

Thursday, June 9, 2022 4:00 PM (1 hour)

Presenter: HEYDEMAN, Matthew

Contribution ID: **18**

Type: **not specified**

Deep Microstrata

Friday, June 10, 2022 10:00 AM (1 hour)

Presenter: GANCHEV, Bogdan

Contribution ID: 19

Type: **not specified**

Black tsunamis and naked singularities in AdS/CFT

Friday, June 10, 2022 11:30 AM (1 hour)

Presenter: TOMASEVIC, Marija

Contribution ID: 20

Type: **not specified**

String correlators on AdS₃

Friday, June 10, 2022 2:30 PM (1 hour)

Presenter: DEI, Andrea

Contribution ID: 21

Type: **not specified**

Symmetric Products, Strings, & AdS3/CFT2

Friday, June 10, 2022 4:00 PM (1 hour)

Presenter: MARTINEC, Emil

Contribution ID: 22

Type: **not specified**

Panel and Discussion: Observable Microstructure?

Wednesday, June 8, 2022 4:45 PM (1h 15m)

Presenters: CRAPS, Ben; MAYERSON, Daniel (KU Leuven); BENA, Iosif; BIANCHI, Massimo; PANI, Paolo; BRUSTEIN, Ramy

Contribution ID: 23

Type: **not specified**

Non-BPS Microstate Geometries

Monday, June 13, 2022 10:00 AM (1 hour)

Presenter: BAH, Ibou

Contribution ID: 24

Type: **not specified**

Microstrata

Monday, June 13, 2022 11:30 AM (1 hour)

Presenter: HOUPPE, Anthony

Contribution ID: 25

Type: **not specified**

Three-point functions in supertubes and JMaRT

Tuesday, June 14, 2022 10:00 AM (1 hour)

Presenters: TURTON, David; BUFALINI, Davide; KOVENSKY, Nico; IGURI, Sergio

Contribution ID: 26

Type: **not specified**

Microstructure and N=4 Yang Mills

Tuesday, June 14, 2022 11:30 AM (1 hour)

Presenters: HEYDEMANN, Matthew; CHEN, Yiming

Contribution ID: 27

Type: **not specified**

Are there echoes of gravitational waves?

Wednesday, June 15, 2022 10:00 AM (1 hour)

Presenter: GUO, Bin

Contribution ID: **28**

Type: **not specified**

Superstrata with vector fields

Wednesday, June 15, 2022 11:30 AM (1 hour)

Contribution ID: 29

Type: **not specified**

Eikonal Methods

Thursday, June 16, 2022 10:00 AM (1 hour)

Presenters: HUGHES, Marcel; RUSSO, Rodolfo

Contribution ID: **30**

Type: **not specified**

To be determined. (Pure NS superstrata?)

Thursday, June 16, 2022 11:30 AM (1 hour)

Contribution ID: 31

Type: **not specified**

Discussion: Open problems and Critical Issues

Friday, June 17, 2022 10:00 AM (1h 30m)

Presenters: MARTINEC, Emil; BENA, Iosif; WARNER, Nicholas (IPhT, Universite Paris Saclay, CEA)

Contribution ID: 32

Type: **not specified**

Why are people trying to solve a problem that has already been solved?

Wednesday, June 15, 2022 2:00 PM (1 hour)

Presenter: MATHUR, Samir