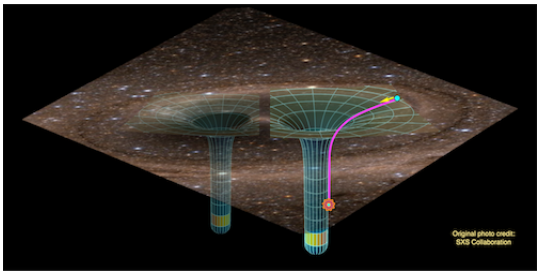

ID de Contribution: **1** Type: **Non spécifié**

How to Spot Microstructure in the Wild

lundi 7 juin 2021 11:30 (1h 15m)

The advent of gravitational waves and black hole imaging has opened a new window into probing the horizon scale of black holes. An important question is whether string theory results for black hole physics can predict interesting and observable features that current and future experiments can probe. I will give a brief overview of the relevant observational experiments, before reviewing this exciting new field of gravitational black hole phenomenology from the perspective of fuzzballs. I will discuss what we can learn from the phenomenological study of known fuzzball geometries, what our current limitations are, and how future developments in fuzzballs physics will be crucial for the further development of this field.

https://www.youtube.com/watch?v=ghZHE9wX8Kg

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