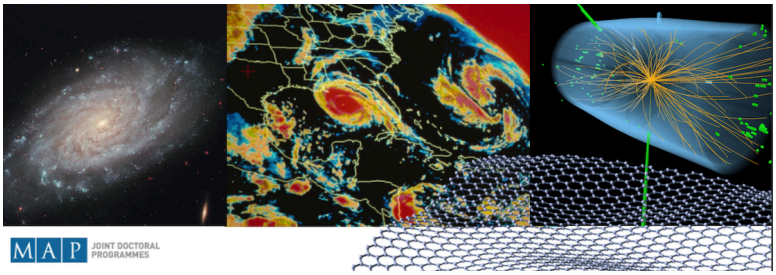

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The heavy spectrum of holographic CFTs

A holographic Conformal Field Theory (CFT) is characterized by a sparse spectrum with a large gap, that ensures that no higher spin field exist at low energies, and a large central charge, which implies a Fock space structure in the spectrum of local operators. But these scales are also related to interesting physics, namely extended objects in the gravitational theory. Using the effective field theory framework for extended objects, we can describe heavy physics in terms of observables that naturally appear in the conformal bootstrap program and identify the CFT data that codifies the geometric structure of an extended object in asymptotically Anti-de-Sitter.

Which topic best fits your talk?

High Energy Physics and Cosmology

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