

Bethe Forum

Lecture Series on “Black Holes in String Theory”

25th February to 1st March, 2019
Bonn, Germany

The physics of black holes puts in sharp conflict Quantum Mechanics and General Relativity, the two founding pillars of modern physics. I will review the construction of black holes in String Theory, and several important developmental steps towards solving this conflict, such as the counting of black hole entropy using D-branes, the construction of horizonless solutions that correspond to the microstates of black holes, and the AdS_3 and AdS_2 holographic analysis of black holes and their microstates.

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