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Stringy Black Holes with alpha prime corrections

Wednesday 11 January 2023 12:50 (15 minutes)

I will review some recent results in the costruction of alpha prime corrections of some families of well known solutions of 10 dimensional heterotic string theory and I will comment on their thermodynamical properties. The families taken into account correspond to extremal (non)supersimmetric black holes, their non-extremal generalization and solutions describing multiple (non)supersymmetric extremal black holes in equilibrium. The talk is based on [2111.15579], [2112.12764] and [2210.01861].

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