

THE STRING THEORY UNIVERSE - 22nd European string workshop and Final COST MP1210 Conference



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Talk 10: Alessandra Gneccchi

Friday 24 February 2017 11:30 (20 minutes)

Title: BPS black holes in gauged Supergravity: electric-magnetic duality and thermodynamic properties

After reviewing the properties of BPS black holes in Supergravity I will discuss how the requirement of Anti de Sitter asymptotics modify the supersymmetric flow, in relation to their electric and magnetic charges. I will then describe the holographic renormalization needed to construct physical quantities for black holes in AdS at generic temperature in presence of scalar and vector fields, and thus conclude with the discussion of their thermodynamics.