

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



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## Talk 12: Chiara Toldo

*Friday 24 February 2017 12:10 (20 minutes)*

Title: Black holes with halos

I will discuss the features of a class of newly discovered AdS<sub>4</sub> black hole solutions arising from M-theory on 7d Sasaki-Einstein coset manifolds. Such thermal black holes are characterized in particular by charged scalars and a massive vector field halo. The analysis of the stability of probes in such a background gives insight on the possible existence of stable multi-center black holes in anti-de Sitter, relevant for the holographic description of the glass phase transition. (suitable either for gong show or talk)