



Same as Ever: Looking for (In)variants in the Black Holes Landscape

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Some things are same as ever, or change very little, and to find them is reassuring. There are black hole properties that are independent of the model as in the case of light rings; exceptions exist but they may be merely curiosities. Or, in some other cases, in the exceptions one also finds a familiar pattern - same as ever - and a whole new family of possibilities opens up, as in the case of the synchronised bosonic hair around black holes. In this talk I will discuss some examples of what could be the same as ever in black hole physics.