



Contribution ID: 41

Type: Long talk (20 mins)

Accelerating black holes in 2+1 dimensions

Thursday, 15 December 2022 18:20 (30 minutes)

We study the C-metric in 2+1 dimensions ab initio. We find three classes of geometry, which we interpret by studying holographically their physical parameters. From these, we construct stationary, accelerating point particles; one-parameter extensions of the BTZ family resembling an accelerating black hole; and find new solutions including a novel accelerating “BTZ geometry” not continuously connected to the BTZ black hole as well as some black funnel solutions.

Type of presentation

20 minute talk

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Other categories:

Gravity / Holography

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Black holes

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Session Classification: Full Length Talks