24th Australian Institute of Physics Congress



Contribution ID: 638 Type: Talk (preferred)

Surface gravity and information loss

Monday, 12 December 2022 11:30 (15 minutes)

Information loss in black hole evolution is one of the longest-running controversies in theoretical physics. However, the discordant properties of different generalisations of surface gravity reveal that the problem cannot be formulated self-consistently in semiclassical gravity.

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Session Classification: AIP: Theoretical and Mathematical

Track Classification: AIP Congress: AIP: Relativity and Gravitation