

Abstract Submitted  
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**Tunneling of squeezed states with an eye to evaporating black holes** ELENI-ALEXANDRA KONTOU, HAL HAGGARD, Bard Coll — In this work we study how tunneling time depends on the squeezing parameter of quantum states. Squeezed quantum states are investigated for optical communications and appear in the emission from black holes. A surprising property of these states is reduced tunneling time. Treating Hawking radiation as a quantum tunneling process, we study the interplay of squeezing with the radiation process.

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