

## Contributed Talk

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**Title:** Quantum aspects of stimulated Hawking radiation on an analog white-black Hole pair

**Abstract:** The stimulated Hawking effect is commonly regarded as a classical process, of little value to enhance and measure the quantum aspects of the Hawking process in analog systems (i.e. entanglement). In this talk we will argue otherwise, and describe a protocol to amplify and observe these quantum features, based on stimulating the process with a single-mode squeezed input. Although our ideas are general, we formulated them in the context of optical systems containing the analog of a pair white-black hole. This results open the door to new possibilities of experimental verification of the Hawking effect.