

# Phenomenology: Hunting for two rings in black hole images

*Thursday, September 7, 2023 2:45 PM (15 minutes)*

New physics beyond general relativity can modify image features of black holes and increase the separation between photon rings. For horizonless objects, new physics can generate a set of inner photon rings. Both cases motivate the exploration of synthetic images consisting of two rings. The talk will be focused on assessing the detectability of these features using closure quantities, with the (next-generation) Event Horizon Telescope in mind.

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**Session Classification:** Parallel Sessions