

UPC 2023: International workshop on the physics of Ultra Peripheral Collisions

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Quantum mechanics in coherent photoproduction: the limits of coherence, and multiple vector mesons

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Coherent photoproduction has long been studied in UPCs. Although interference between the two nuclear targets has been studied, other quantum mechanical problems have received much less attention. In this talk, I will discuss some open problems, including studying the limits of coherence, and quantum mechanical aspects of multiple vector meson production in a single UPC.

Primary author: KLEIN, Spencer Robert (Lawrence Berkeley National Lab. (US))

Presenter: KLEIN, Spencer Robert (Lawrence Berkeley National Lab. (US))

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