

# Photon-induced interactions in relativistic heavy ion collisions

*Monday, July 1, 2024 1:40 PM (40 minutes)*

Heavy ions provide strong electromagnetic fields that can be used to probe properties of interest in nuclear structure, nuclear astrophysics and particle physics. In this talk I will discuss new developments in understanding the role of the symmetry energy in the equation of state of nuclear matter, nuclear collective phenomena, QED and QCD processes, and other physics phenomena induced by photon-photon and photo-nuclear interactions in reactions with heavy ions.

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