

Light ray operators, detectors, and energy correlators

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Light ray operators control many aspects of Lorentzian physics in quantum field theory. For example, they describe the behavior of correlators at large boost, and also provide a natural basis for collider measurements. Analyticity in spin connects these types of light-ray operators together into an intriguing but still mysterious unified structure. I will review aspects of light-ray operators and some of their applications.

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