

Tuesday, January 27<sup>th</sup> @ 2pm  
Schwinger Lounge

# “Unitarity, Renormalization, and Effective Field Theory”

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**Abstract:** For production form factors, one may extract their anomalous dimensions directly from unitarity cuts. However, this procedure crucially misses out on rapidity anomalous dimensions. In this talk, we show how one may generalize the unitarity construction to include rapidity RG effects. With this tool, we apply it to the forward scattering amplitude where it imposes additional structure on the rapidity RG of the forward amplitude.