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## Looking for an on-shell regulator

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A generic QFT without mass gap may present IR and UV divergencies, which must be regularized before making sense of them. In a Feynman diagram, one thinks of these divergencies as arising from an infinite integration region for a certain off-shell momentum. When one treats the theory purely on-shell, these divergencies must be seen (and regularized) in some other way. In this talk I present an approach to tackle this problem, in the particular case of divergencies of scattering amplitudes, using the so-called on-shell diagrams.

**Presenter:** CONDE PENA, Eduardo

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