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## Decay mechanisms in bound state interaction kernels

*Tuesday 13 March 2018 11:30 (30 minutes)*

We study decay channel effects in the spectrum of meson states using covariant Bethe-Salpeter equations (BSEs). The main goal will be to develop BSE kernels that contain explicit decay mechanisms. This will be first explored in the meson sector where, for example, a kernel suitable to study the rho mesons should contain a  $\rho \rightarrow \pi + \pi$  decay mechanism. This will be tackled by including explicit pion degrees of freedom in addition to quarks and gluons

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