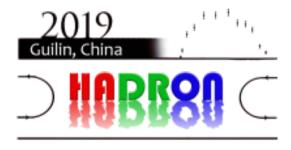
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The Ec and Eb excited states generated from mesonbaryons interaction in coupled channels

Saturday, 17 August 2019 17:50 (20 minutes)

Many Ξc and Ξb resonances have been observed during past few of years. This works focus on studying several Ξc and Ξb dynamically generated states from meson-baryon interactions in coupled channels, using an extension of the local hidden gauge approach that we then unitarize using the Bethe-Salpeter equation. We are then able to identify several of our poles in the charm sector with some of the observed Ξc states $[\Xi c(2790), \Xi c(2930), \Xi c(2970), \Xi c(3055)]$ and $\Xi c(3080)$, as well as two poles in the bottom sector that have masses and widths consistent with the newly observed $\Xi b(6227)$ resonance.

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