

Constraining the production mechanisms of mesonic systems

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We have conducted studies on the production mechanism of various channels, which are being analyzed at Jefferson Lab. These include pseudoscalar and vector meson production. Using the constraint of analyticity of the amplitudes, we are able to propagate experimental information from one energy regime to the other. This approach relates properties of the baryon spectrum to the dynamics of meson exchanges. These models will be useful in the hunt for exotic mesons at JLab in the near future.

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