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## Line shape of states in electron–positron annihilation and the role of below-threshold resonance

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We give a parameterization of the anomalous line shape of resonances based on a Fano-type formula, which can be widely used to extract properties of resonances from data. We employ it to explain the anomalous line shape of the  $e^+e^- \rightarrow D\bar{D}$  and  $e^+e^- \rightarrow \Lambda\bar{\Lambda}$ . In both reactions, a below-threshold state is found to play significant role in the measured cross sections.

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