

Pole extraction and nature of the $f_0(980)$

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We present a novel extraction of the pole position of the $f_0(980)$ from the available dispersive analyses of the $\pi\pi \rightarrow \pi\pi, \bar{K}K$ channels using an effective range expansion. Afterwards, we use a neural network as a classifier to investigate the possible nature of the state, finding that a molecular interpretation is the most likely.

Primary author: FERNANDEZ-RAMIREZ, Cesar (UNED/ICN-UNAM)

Presenter: FERNANDEZ-RAMIREZ, Cesar (UNED/ICN-UNAM)

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