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Search for a new π_0 -like particle at BABAR

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We report on a search for a new π_0 -like particle produced in association with a tau-lepton pair at BABAR. These objects, with similar masses and decay modes to neutral pions, could provide an explanation for the apparent non-asymptotic behavior of the pion-photon transition form factor observed by BABAR. No significant signal is observed, and limits on the production cross sections are found to lie below the values needed to explain the excess observed in the form factor data over the asymptotic limit.

Oral or Poster Presentation

Oral

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