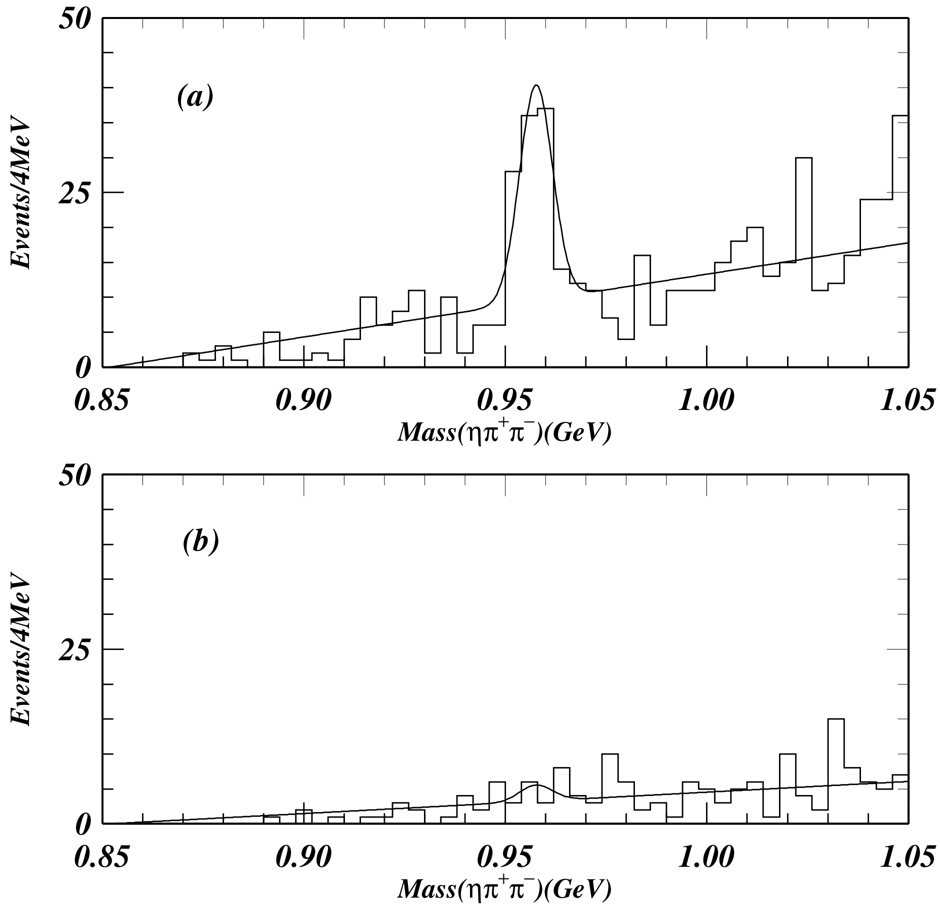
$B \to \eta' X_S$ – inclusive search for high-momentum η''s

- Emphasis is on search for $b \to sg \Rightarrow$ high-momentum η'
- Reconstruct 8 $B \to \eta' K^\pm X$ states
  - ⋆ X is 0-4 pions with at most one π°
  - ⋆ Emphasis on efficiency and background rejection
    There is lots of crossfeed among channels
- Signal yield: fit $\eta\pi\pi$ mass for each η' momentum bin
- Find a clear η' signal for $2.0 < p_{\eta'} < 2.7$ GeV



(a)