CLEO analysis variables

- $\Delta E = E_{sig} - E_{\rm beam}$
  - ⋆ For πh, assume $h = \pi$. ΔE shifts by -42 MeV if $h = K$
  - ⋆ For ηh, $\eta' h$, ωh, assume $h = K$. Shift is +44 MeV if $h = \pi$
- $M_B = \sqrt{E^2_{\rm beam} - p^2_B}$
- dE/dx for high momentum tracks: 1.7σ K-π separation
- Fisher: linear discriminant using event shape to distinguish spherical signal from jetty $q\bar{q}$ background
- Resonance masses for η, η', ω, K^*
- Helicity angle for PV decays ($B \to \omega h$, $B \to \eta' K^*$, ...)

Some CLEO analyses cut on these variables. Many use unbinned maximum-likelihood fit.