



- $e^+e^- \rightarrow \mu^+\mu^-Z', Z' \rightarrow \nu_l\bar{\nu}_l \text{ or } \rightarrow \chi\bar{\chi}$
- $e^+e^- \rightarrow \mu^+\mu^-$
- ▲— $e^+e^- \rightarrow \tau^+\tau^-$
- $e^+e^- \rightarrow \mu^+\mu^-\mu^+\mu^-$
- △— $e^+e^- \rightarrow e^+e^-\mu^+\mu^-$
- ▽— $e^+e^- \rightarrow \pi^+\pi^-J/\psi(\rightarrow \mu^+\mu^-)$

#0, no cuts

+ #1, 2 tracks & $\sum Q=0$

+ #2, CL_{vtx}

+ #3, Energy conservation

+ #4, E_{sum}

+ #5, p_t

+ #6, Open angle between tracks + mass conservation

+ #7, Recoiling muon pair polar angle

+ #8, $\cos(\phi_{\text{FS}} - \phi_\gamma)$

+ #9, $\theta_{\text{missing } Z'}$