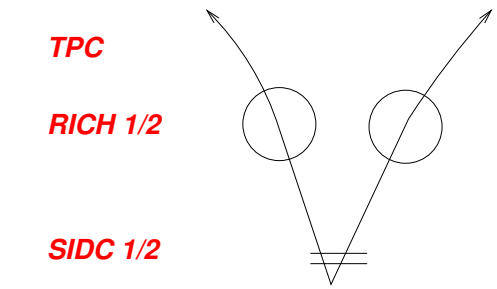
Combinatorial background

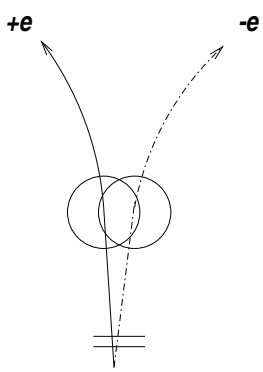


open pair

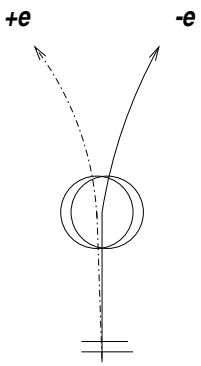
Signal for pairs with

mass > 0.2 GeV / c2

10^{-4} per event



π^0 Dalitz pair



Conversion pair

π^0 Dalitz and

γ Conversion decays

mass < 0.2 GeV/c2

1 per event

Two partialy recognized
low mass pairs produce combinatorial background with high mass

Require efficient identification and thereby rejection of low mass pairs in SIDC1/2, RICH1/2 and, to some extent, TPC