Same Event

Mixed Event

counts

1.7   1.8   1.9   2

$M(K,\pi)$ (GeV/c^2)

Signal (Same - Mixed)

Significance: 2.4875006409598188

counts

5

0

-5

1.7   1.8   1.9   2

$M(K,\pi)$ (GeV/c^2)

Optimized Topological Cuts:

dcaA: 20

dcaB: 53

VerdistX: 50

$\sin(\theta) \times 10^{-4}$: **300**

dcaAB: 185