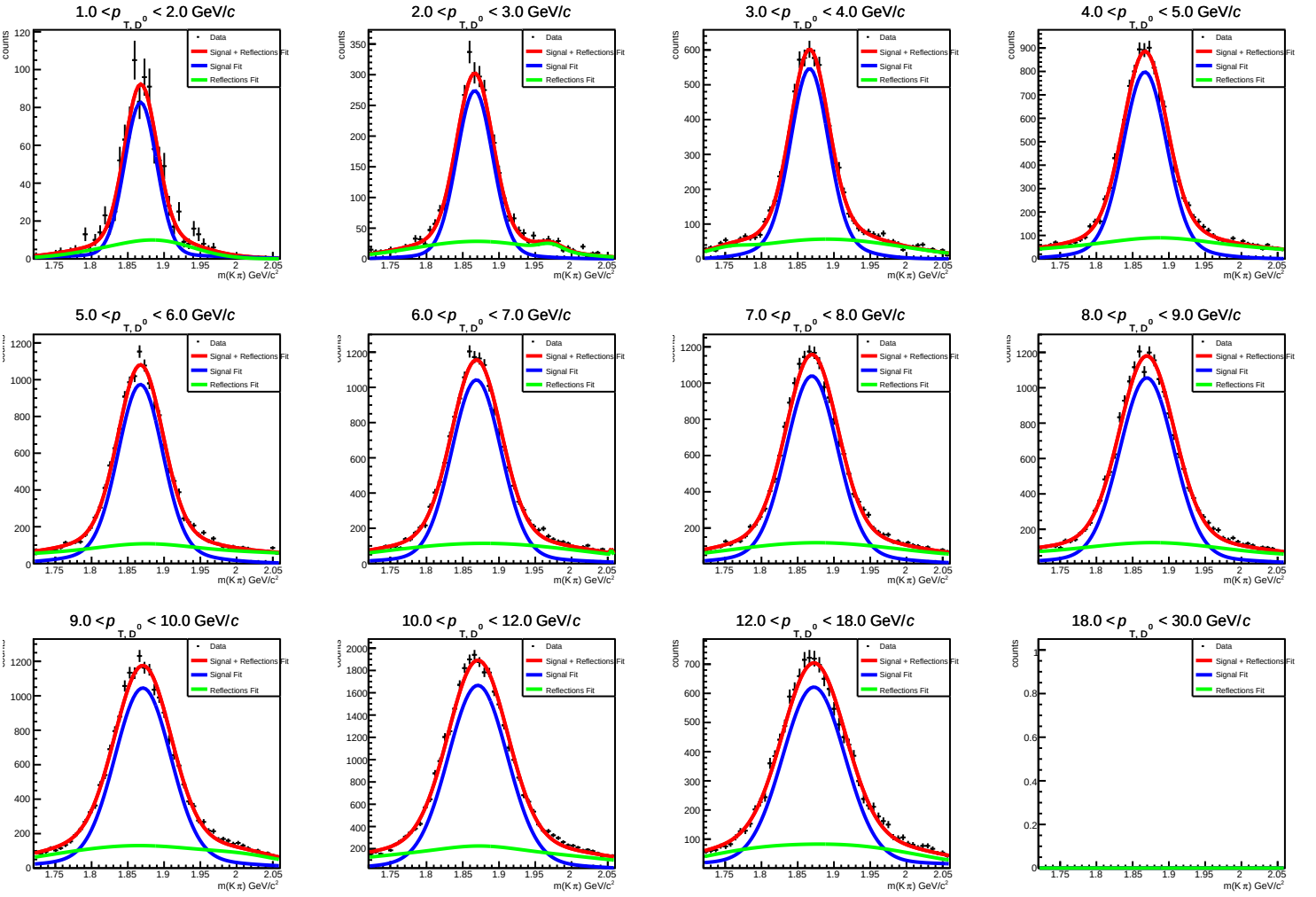
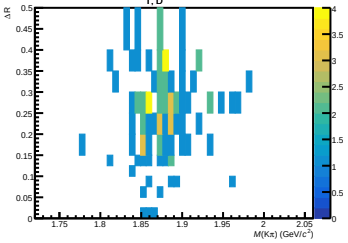
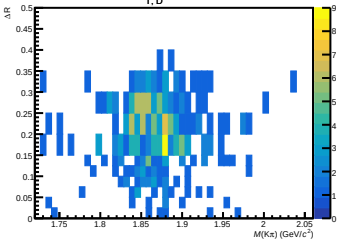
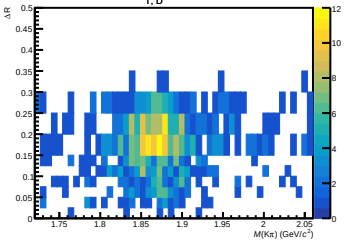
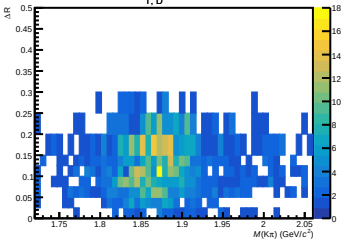
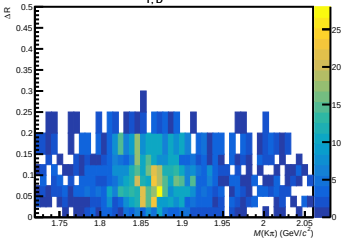

1.0 < p T, D0 < 2.0 GeV/c
2.0 < p T, D0 < 3.0 GeV/c
3.0 < p T, D0 < 4.0 GeV/c
4.0 < p T, D0 < 5.0 GeV/c
5.0 < p T, D0 < 6.0 GeV/c
6.0 < p T, D0 < 7.0 GeV/c
7.0 < p T, D0 < 8.0 GeV/c
8.0 < p T, D0 < 9.0 GeV/c
9.0 < p T, D0 < 10.0 GeV/c
10.0 < p T, D0 < 12.0 GeV/c
12.0 < p T, D0 < 18.0 GeV/c
18.0 < p T, D0 < 30.0 GeV/c
Data
Signal + Reflections Fit
Signal Fit
Reflections Fit
counts
m(K π) GeV/c²

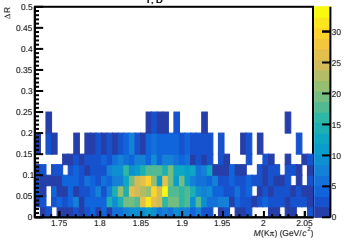

1 < p_{T,D^0} < 2 GeV/c
ΔR
$M(K\pi)$ (GeV/c^2)

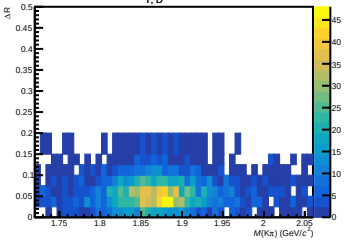

2 < p_{T,D^0} < 3 GeV/c
ΔR
$M(K\pi)$ (GeV/c^2)

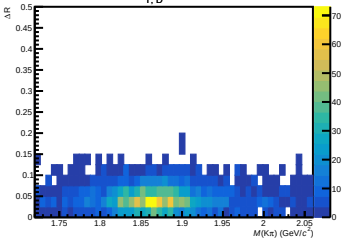

3 < p_{T,D^0} < 4 GeV/c
ΔR
$M(K\pi)$ (GeV/c^2)

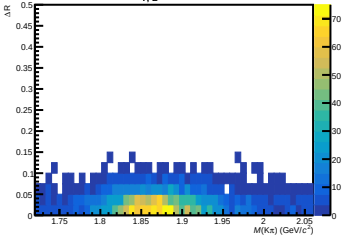

4 < p_{T,D^0} < 5 GeV/c
ΔR
$M(K\pi)$ (GeV/c^2)

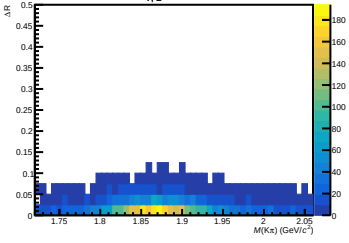

5 < p_{T,D^0} < 6 GeV/c
ΔR
$M(K\pi)$ (GeV/c^2)

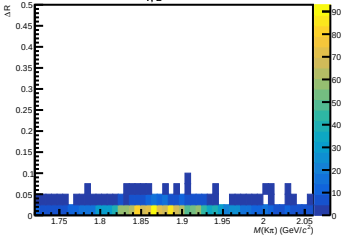

6 < p_{T,D^0} < 7 GeV/c
ΔR
$M(K\pi)$ (GeV/c^2)

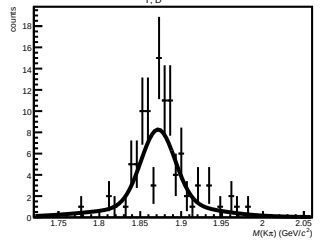

7 < p_{T,D^0} < 8 GeV/c
ΔR
$M(K\pi)$ (GeV/c^2)

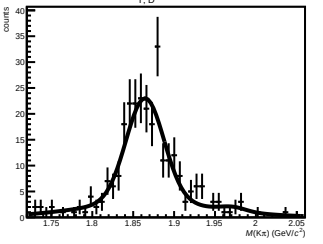

8 < p_{T,D^0} < 9 GeV/c
ΔR
$M(K\pi)$ (GeV/c^2)

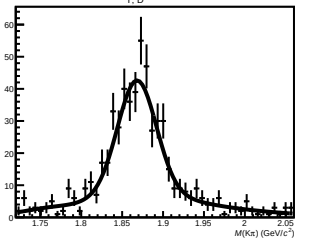

9 < p_{T,D^0} < 10 GeV/c
ΔR
$M(K\pi)$ (GeV/c^2)

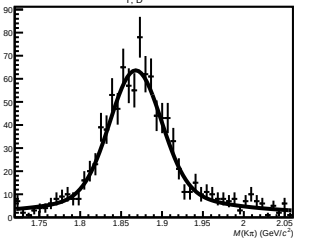

10 < p_{T,D^0} < 12 GeV/c
ΔR
$M(K\pi)$ (GeV/c^2)

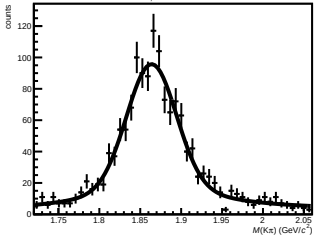

12 < p_{T,D^0} < 18 GeV/c
ΔR
$M(K\pi)$ (GeV/c^2)

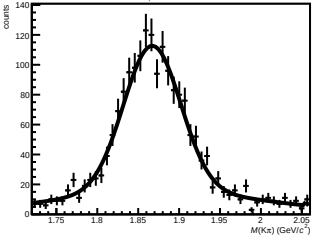

1 < p_{T,D^0} < 2 GeV/c
counts
$M(K\pi)$ (GeV/c^2)

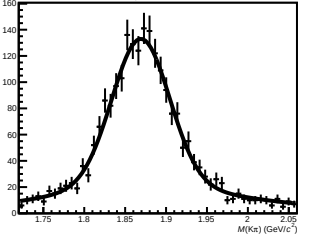

2 < p_{T,D^0} < 3 GeV/c
counts
$M(K\pi)$ (GeV/c^2)

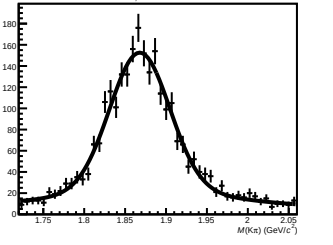

3 < p_{T,D^0} < 4 GeV/c
counts
$M(K\pi)$ (GeV/c^2)

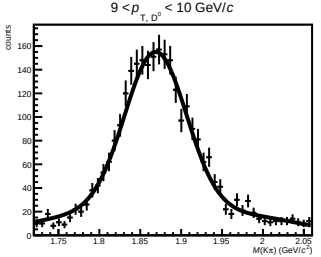

4 < p_{T,D^0} < 5 GeV/c
counts
$M(K\pi)$ (GeV/c^2)

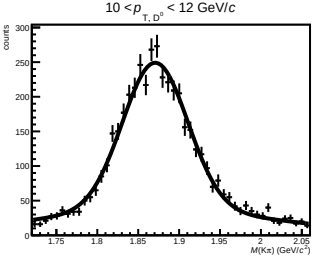

5 < p_{T,D^0} < 6 GeV/c
counts
$M(K\pi)$ (GeV/c^2)

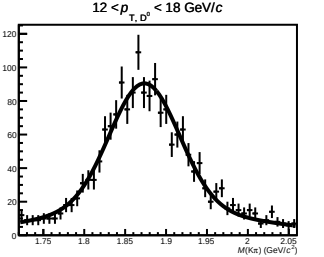

6 < p_{T,D^0} < 7 GeV/c
counts
$M(K\pi)$ (GeV/c^2)


7 < p_{T,D^0} < 8 GeV/c
counts
$M(K\pi)$ (GeV/c^2)

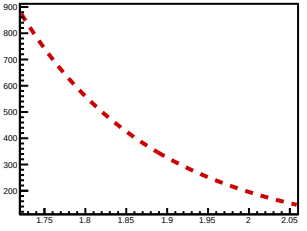

8 < p_{T,D^0} < 9 GeV/c
counts
$M(K\pi)$ (GeV/c^2)


9 < p_{T,D^0} < 10 GeV/c
counts
$M(K\pi)$ (GeV/c^2)

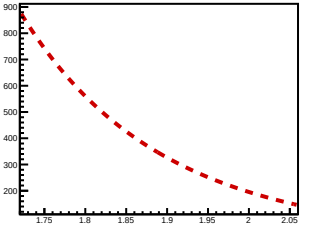

10 < p_{T,D^0} < 12 GeV/c
counts
$M(K\pi)$ (GeV/c^2)


12 < p_{T,D^0} < 18 GeV/c
counts
$M(K\pi)$ (GeV/c^2)

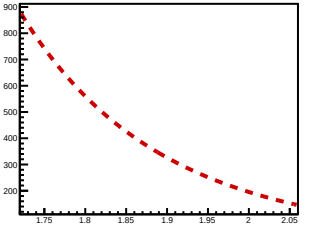
backgroundOnlyFit_0_10_to_15GeV



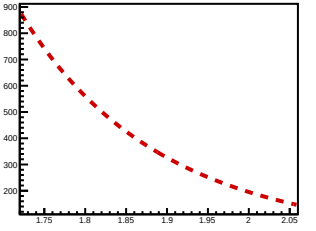
backgroundOnlyFit_1_10_to_15GeV



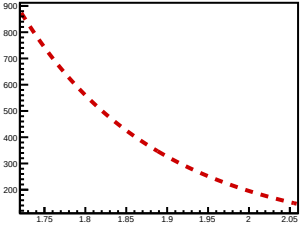
backgroundOnlyFit_2_10_to_15GeV



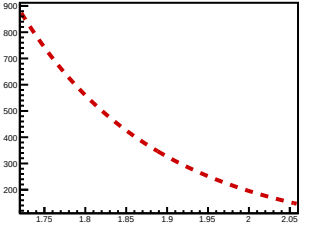
backgroundOnlyFit_3_10_to_15GeV



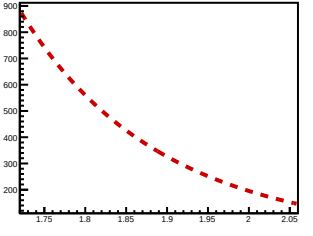
backgroundOnlyFit_4_10_to_15GeV



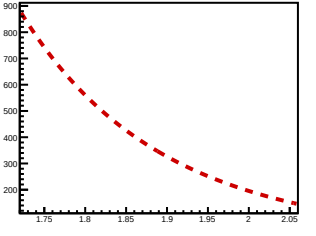
backgroundOnlyFit_5_10_to_15GeV



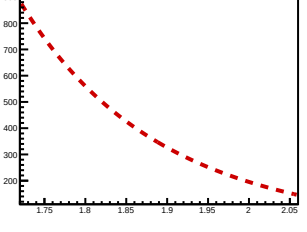
backgroundOnlyFit_6_10_to_15GeV



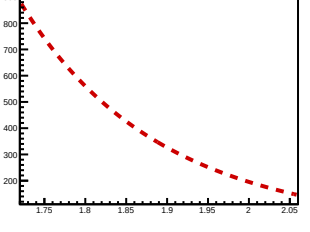
backgroundOnlyFit_7_10_to_15GeV



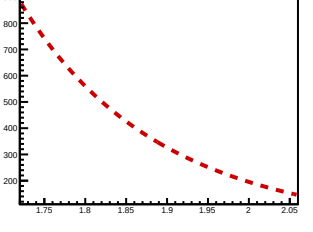
backgroundOnlyFit_8_10_to_15GeV



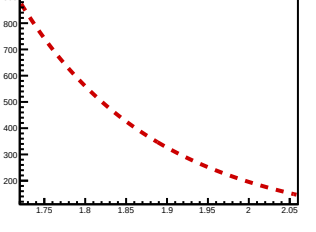
backgroundOnlyFit_9_10_to_15GeV

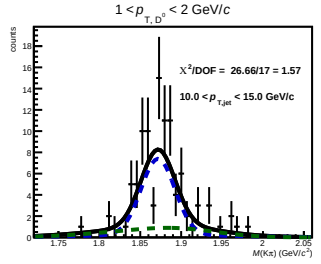


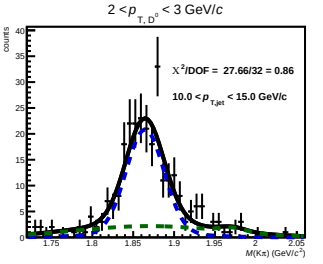
backgroundOnlyFit_10_10_to_15GeV

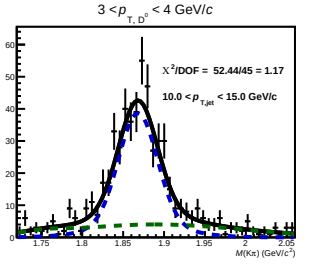


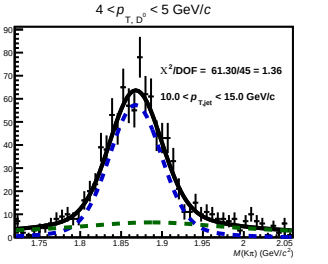
backgroundOnlyFit_11_10_to_15GeV

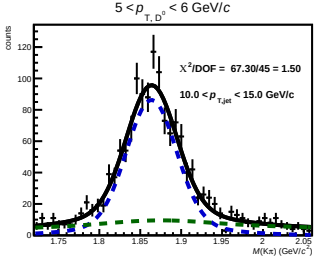


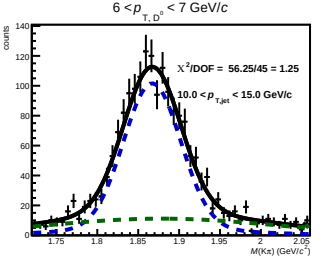

1 < p_{T,D^0} < 2 GeV/c
counts
$M(K\pi)$ (GeV/c^2)
χ^2/DOF = 26.66/17 = 1.57
10.0 < $p_{T,jet}$ < 15.0 GeV/c

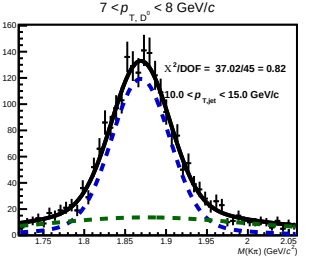

2 < p_{T,D^0} < 3 GeV/c
counts
$M(K\pi)$ (GeV/c^2)
χ^2/DOF = 27.66/32 = 0.86
10.0 < $p_{T,jet}$ < 15.0 GeV/c

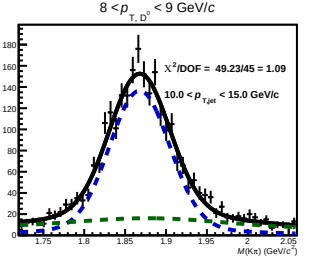

3 < p_{T,D^0} < 4 GeV/c
counts
$M(K\pi)$ (GeV/c^2)
χ^2/DOF = 52.44/45 = 1.17
10.0 < $p_{T,jet}$ < 15.0 GeV/c

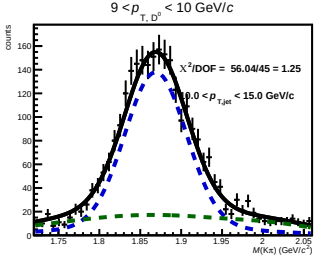

4 < p_{T,D^0} < 5 GeV/c
counts
$M(K\pi)$ (GeV/c^2)
χ^2/DOF = 61.30/45 = 1.36
10.0 < $p_{T,jet}$ < 15.0 GeV/c

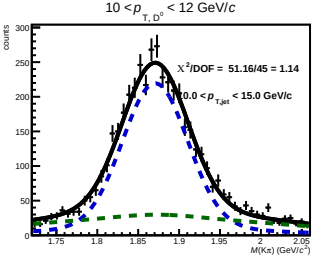

5 < p_{T,D^0} < 6 GeV/c
counts
$M(K\pi)$ (GeV/c^2)
χ^2/DOF = 67.30/45 = 1.50
10.0 < $p_{T,jet}$ < 15.0 GeV/c

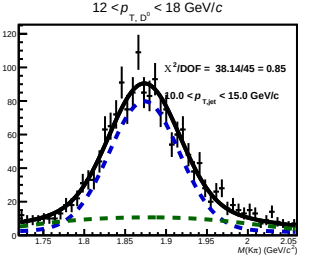

6 < p_{T,D^0} < 7 GeV/c
counts
$M(K\pi)$ (GeV/c^2)
χ^2/DOF = 56.25/45 = 1.25
10.0 < $p_{T,jet}$ < 15.0 GeV/c

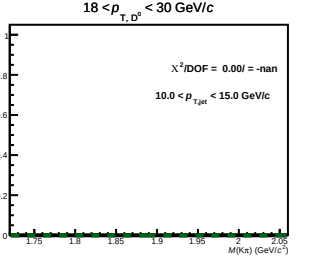

7 < p_{T,D^0} < 8 GeV/c
counts
$M(K\pi)$ (GeV/c^2)
χ^2/DOF = 37.02/45 = 0.82
10.0 < $p_{T,jet}$ < 15.0 GeV/c

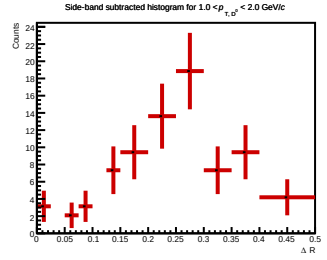

8 < p_{T,D^0} < 9 GeV/c
counts
$M(K\pi)$ (GeV/c^2)
χ^2/DOF = 49.23/45 = 1.09
10.0 < $p_{T,jet}$ < 15.0 GeV/c

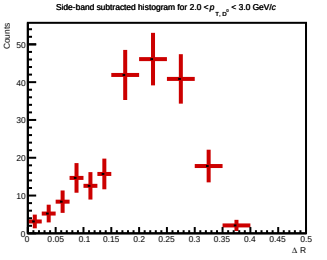

9 < p_{T,D^0} < 10 GeV/c
counts
$M(K\pi)$ (GeV/c^2)
χ^2/DOF = 56.04/45 = 1.25
10.0 < $p_{T,jet}$ < 15.0 GeV/c

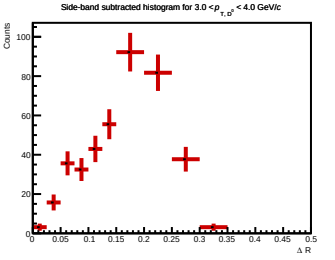

10 < p_{T,D^0} < 12 GeV/c
counts
$M(K\pi)$ (GeV/c^2)
χ^2/DOF = 51.16/45 = 1.14
10.0 < $p_{T,jet}$ < 15.0 GeV/c

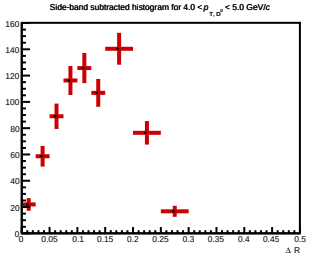

12 < p_{T,D^0} < 18 GeV/c
counts
$M(K\pi)$ (GeV/c^2)
χ^2/DOF = 38.14/45 = 0.85
10.0 < $p_{T,jet}$ < 15.0 GeV/c

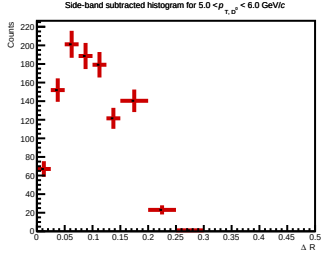

18 < p_{T,D^0} < 30 GeV/c
counts
$M(K\pi)$ (GeV/c^2)
χ^2/DOF = 0.00/ = -nan
10.0 < $p_{T,jet}$ < 15.0 GeV/c

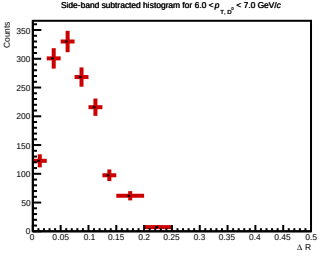

Side-band subtracted histogram for 1.0 < p_{T,D^0} < 2.0 GeV/c
Counts
Δ R

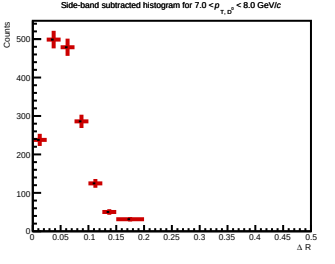

Side-band subtracted histogram for 2.0 < p_{T,D^0} < 3.0 GeV/c
Counts
Δ R

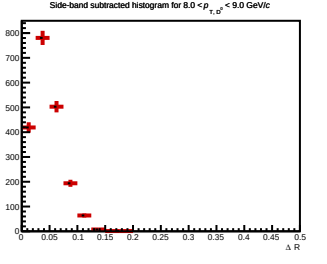

Side-band subtracted histogram for 3.0 < p_{T,D^0} < 4.0 GeV/c
Counts
Δ R

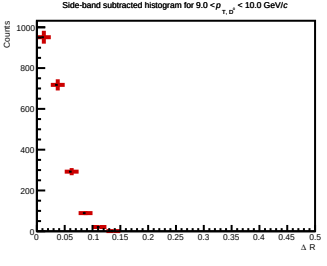

Side-band subtracted histogram for 4.0 < p_{T,D^0} < 5.0 GeV/c
Counts
Δ R

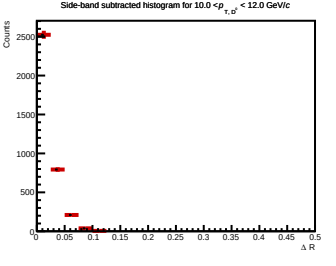

Side-band subtracted histogram for 5.0 < p_{T,D^0} < 6.0 GeV/c
Counts
Δ R

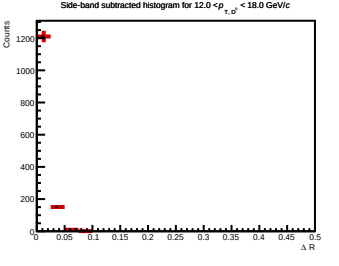

Side-band subtracted histogram for 6.0 < p_{T,D^0} < 7.0 GeV/c
Counts
Δ R

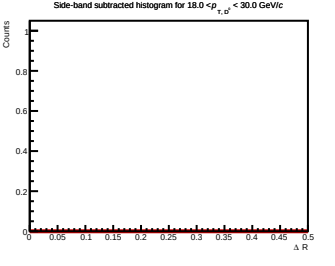

Side-band subtracted histogram for 7.0 < p_{T,D^0} < 8.0 GeV/c
Counts
Δ R

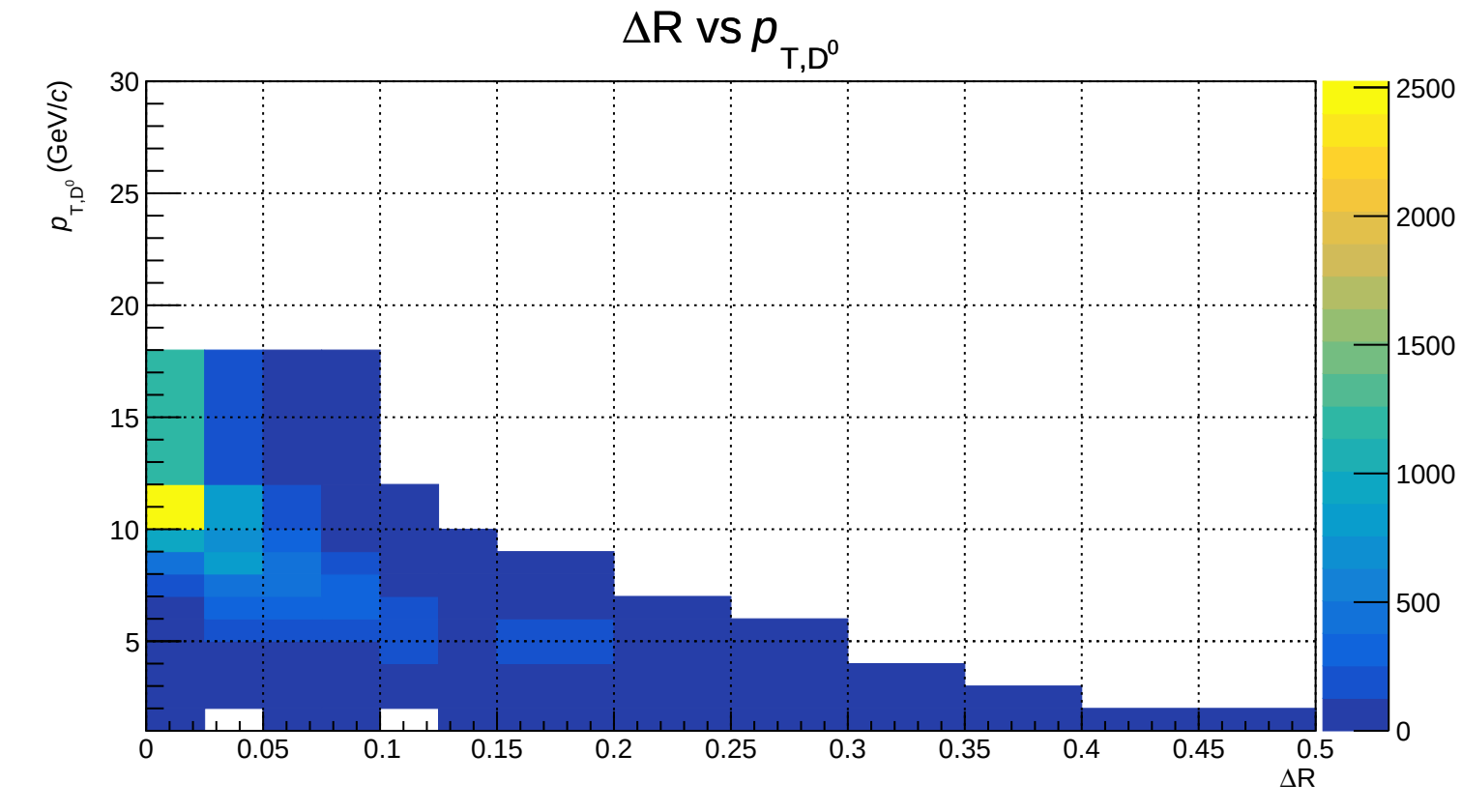

Side-band subtracted histogram for 8.0 < p_{T,D^0} < 9.0 GeV/c
Counts
Δ R


Side-band subtracted histogram for 9.0 < p_{T,D^0} < 10.0 GeV/c
Counts
Δ R


Side-band subtracted histogram for 10.0 < p_{T,D^0} < 12.0 GeV/c
Counts
Δ R


Side-band subtracted histogram for 12.0 < p_{T,D^0} < 18.0 GeV/c
Counts
Δ R


Side-band subtracted histogram for 18.0 < p_{T,D^0} < 30.0 GeV/c
Counts
Δ R


ΔR vs p_{T,D^0}
p_{T,D^0} (GeV/c)
30
25
20
15
10
5
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
ΔR
2500
2000
1500
1000
500
0