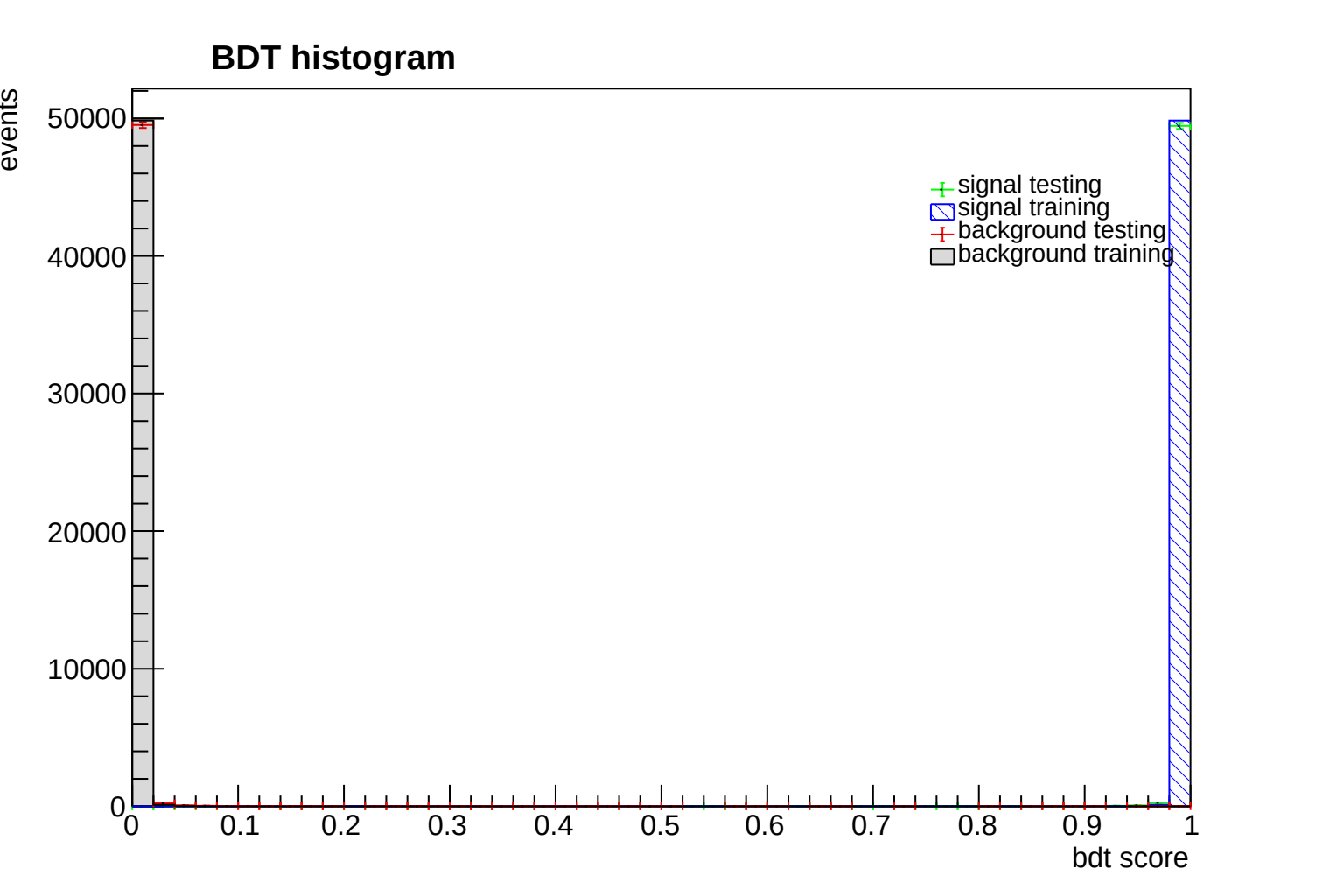
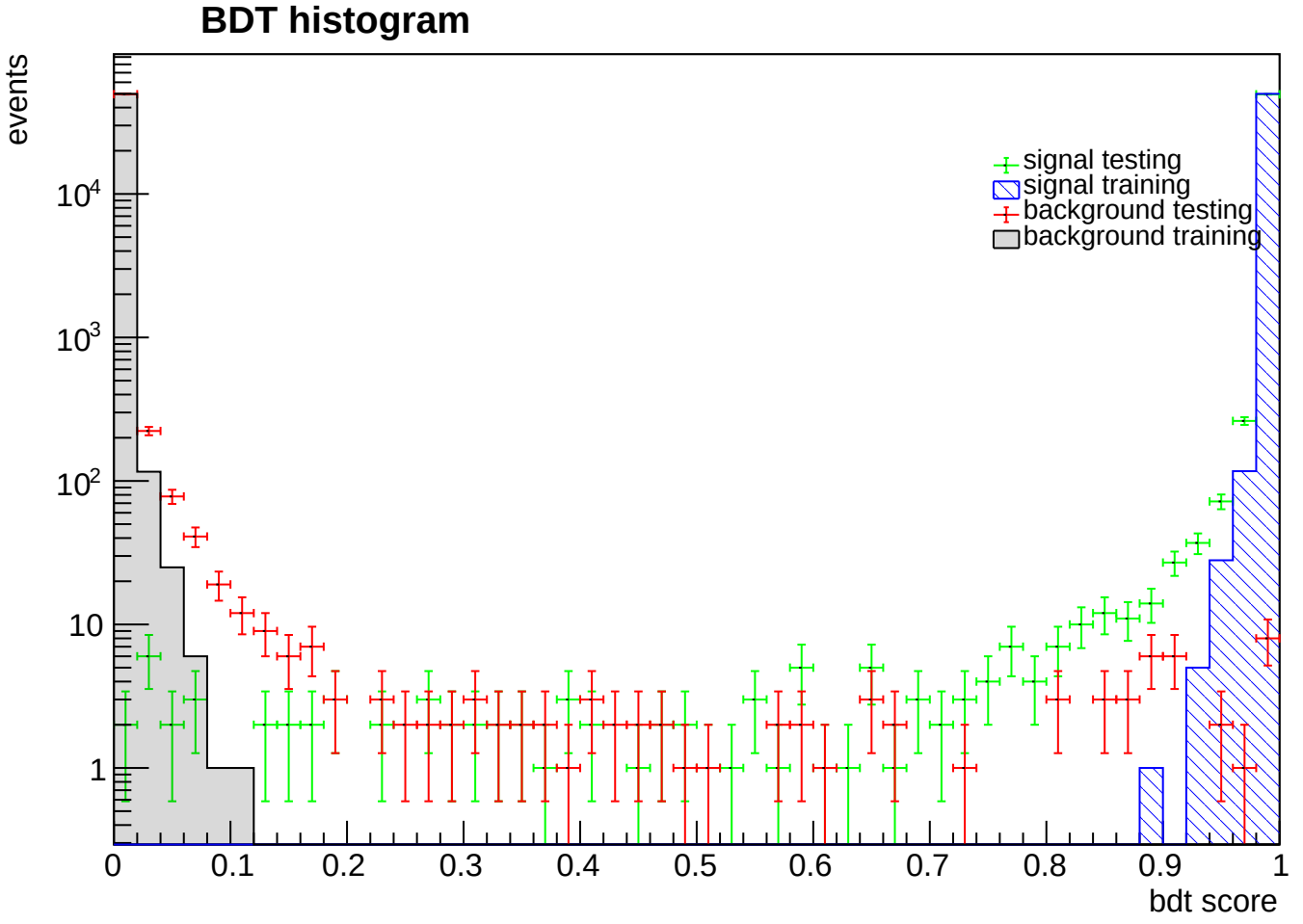
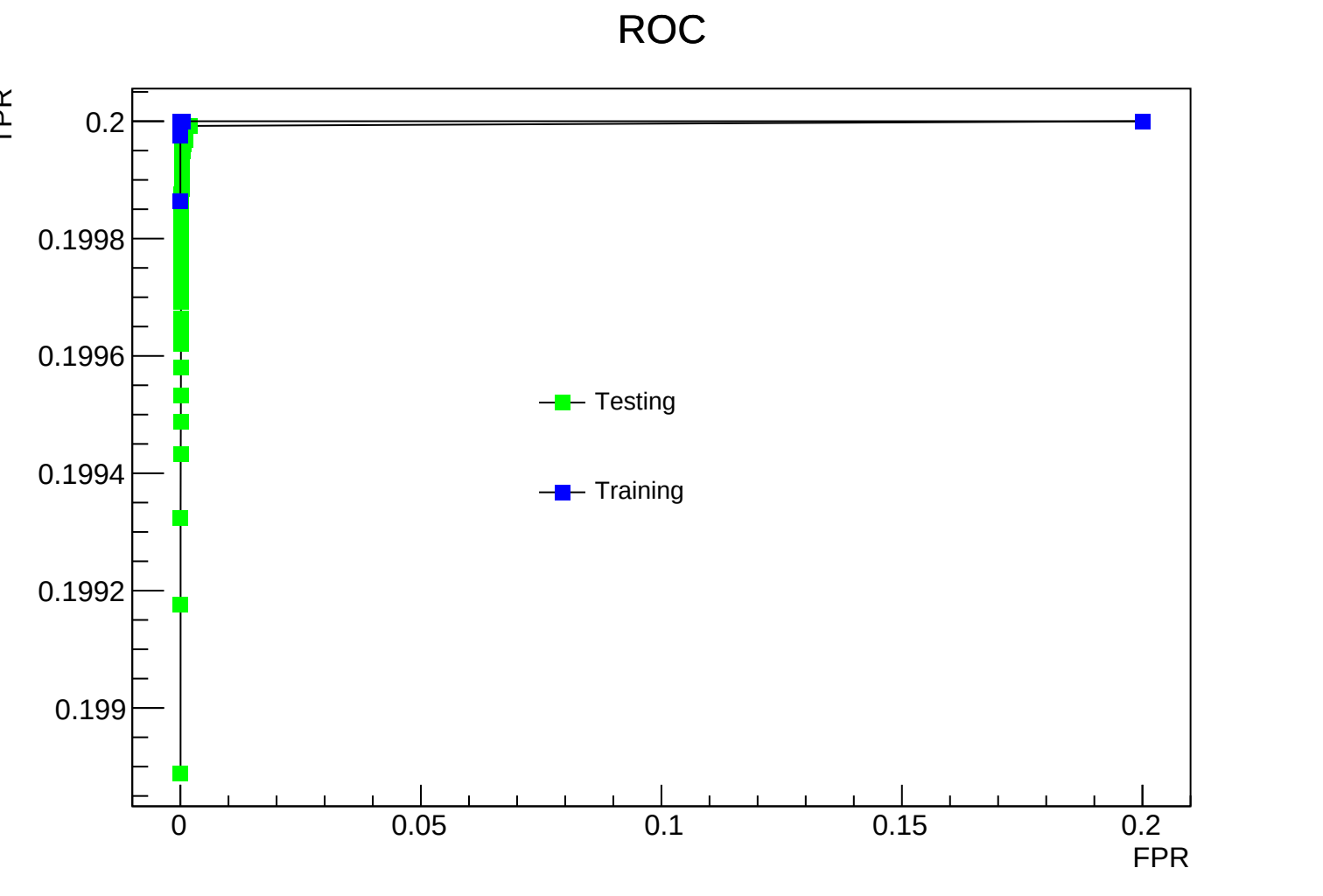
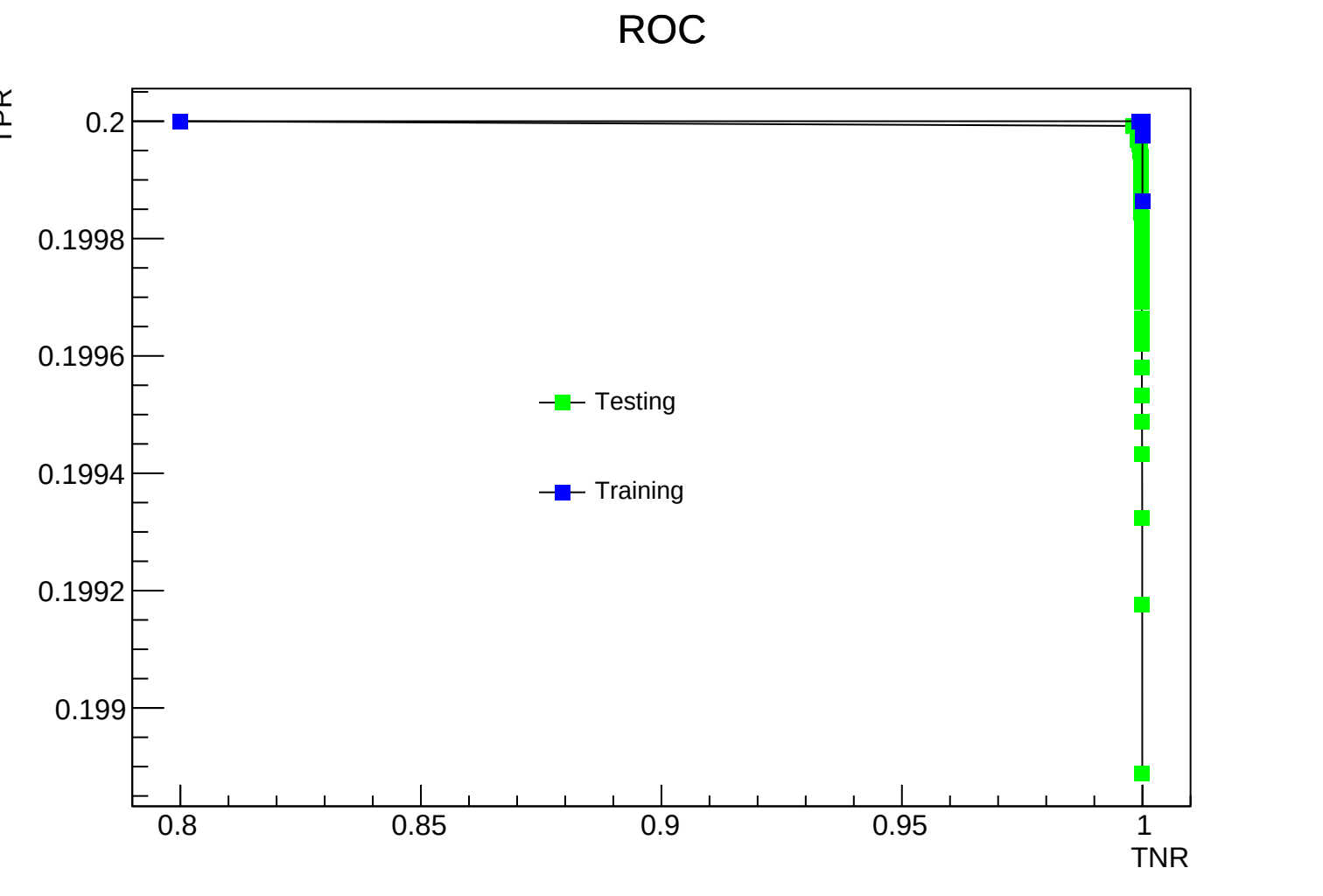
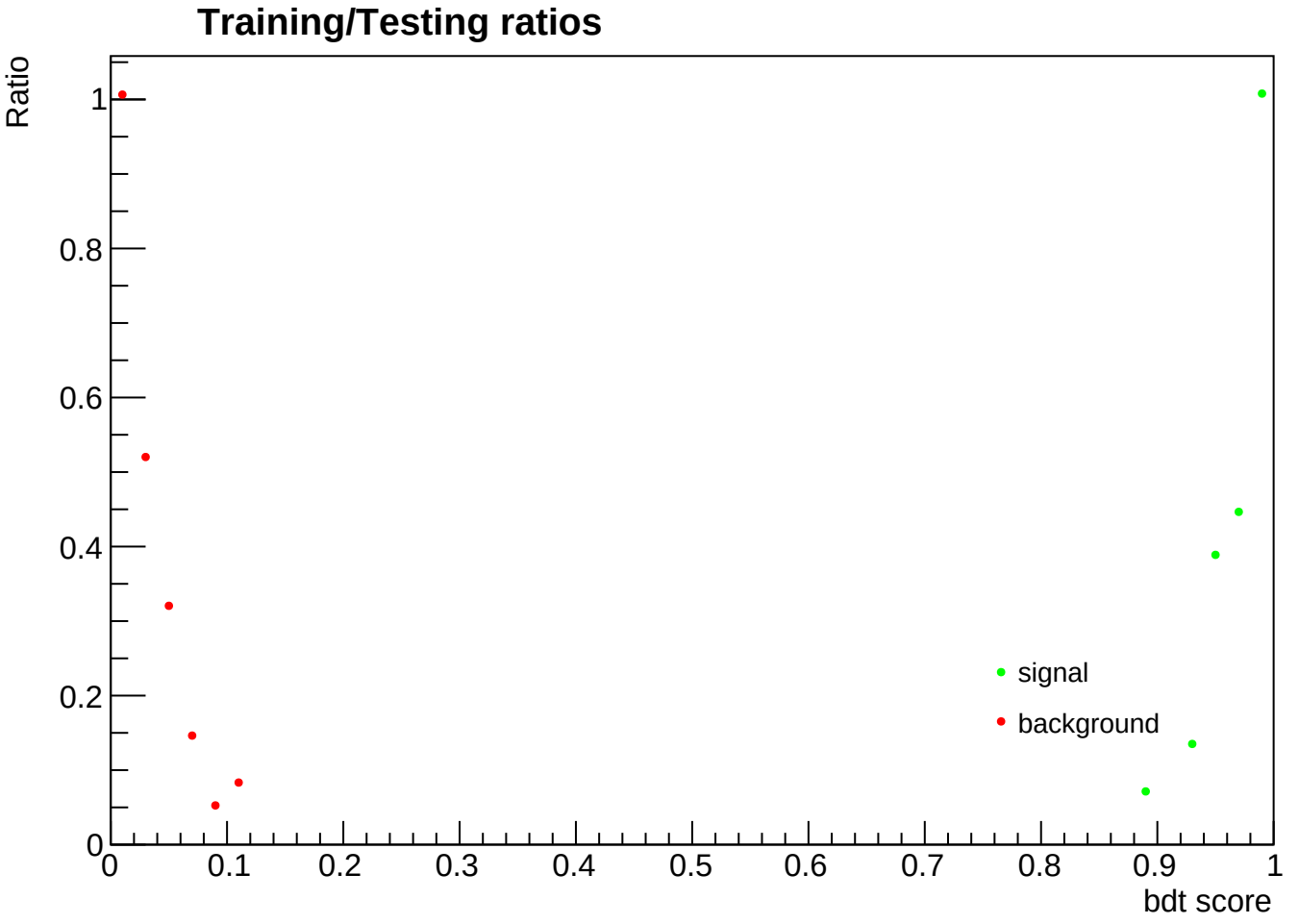
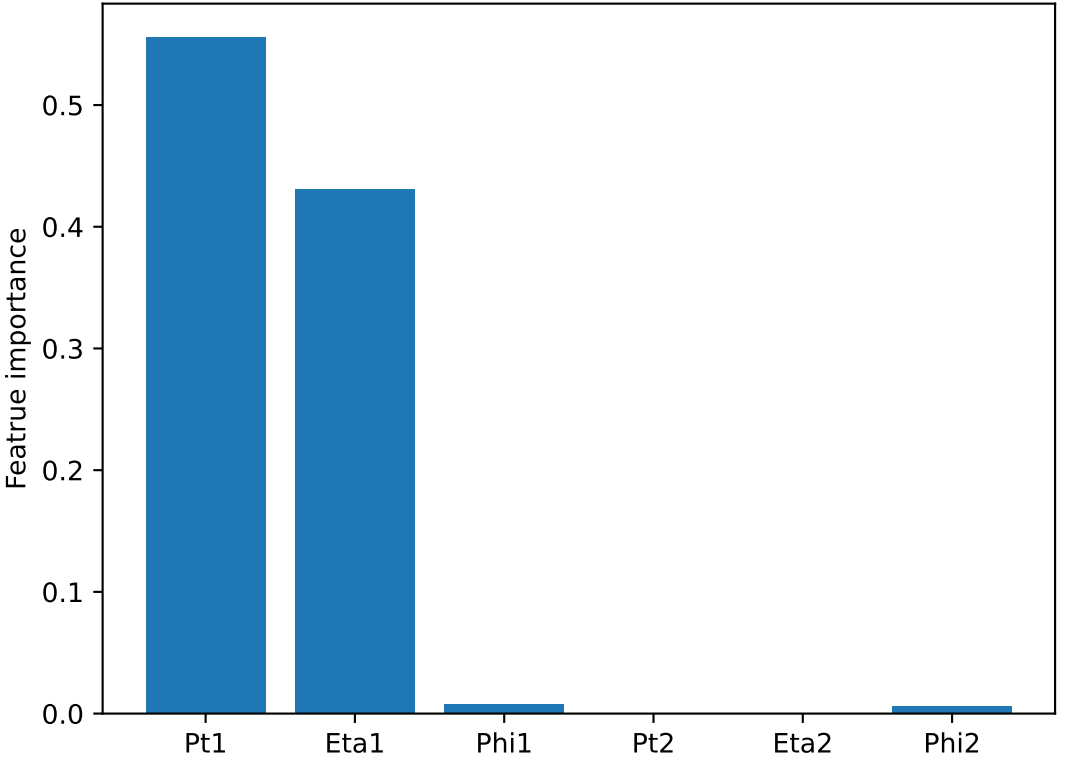

BDT histogram
events
50000
40000
30000
20000
10000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
bdt score
signal testing
signal training
background testing
background training


BDT histogram
events
10^4
10^3
10^2
10
1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
bdt score
signal testing
signal training
background testing
background training


ROC
TPR
0.2
0.1998
0.1996
0.1994
0.1992
0.199
0
0.05
0.1
0.15
0.2
FPR
Testing
Training


ROC
TPR
0.2
0.1998
0.1996
0.1994
0.1992
0.199
0.8
0.85
0.9
0.95
1
TNR
Testing
Training


Training/Testing ratios
Ratio
1
0.8
0.6
0.4
0.2
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
bdt score
signal
background


Featrue importance
0.0
0.1
0.2
0.3
0.4
0.5
Pt1
Eta1
Phi1
Pt2
Eta2
Phi2