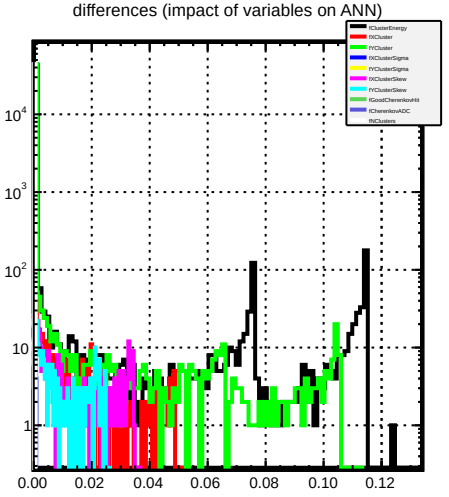
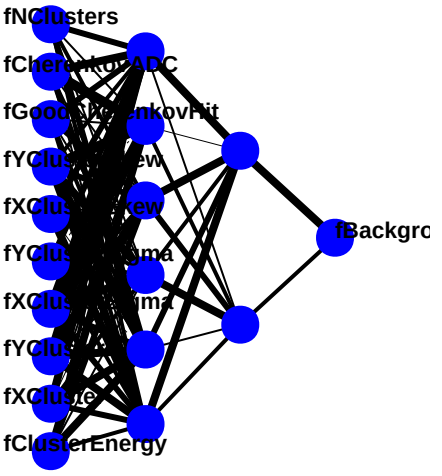
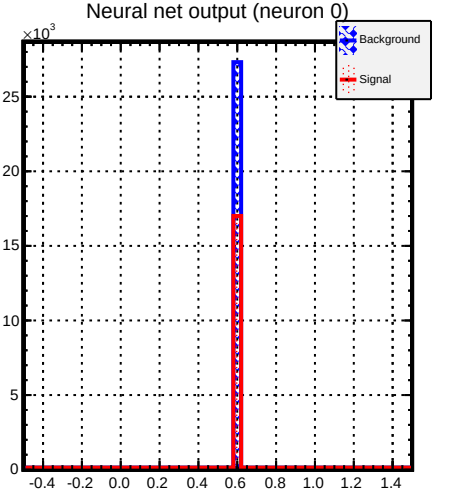
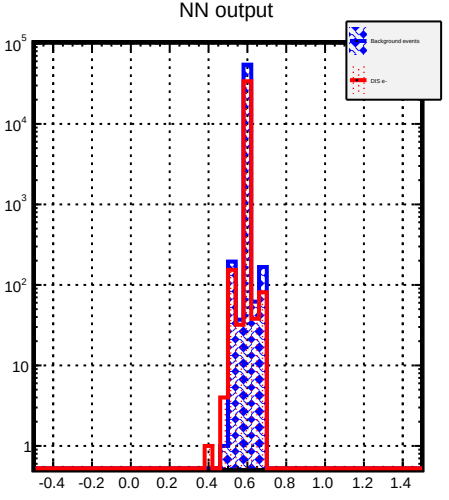
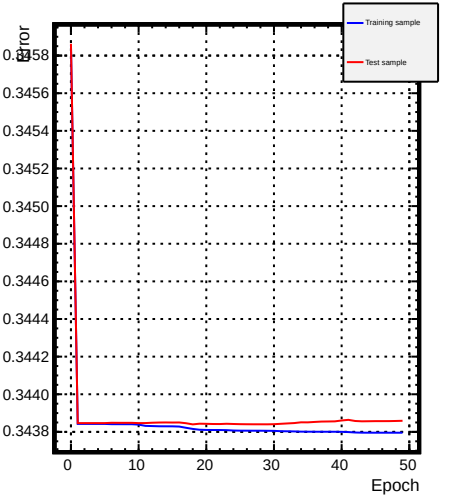

differences (impact of variables on ANN)
fClusterEnergy
fNCluster
fYCluster
fXClusterSigma
fYClusterSigma
fXClusterSkew
fYClusterSkew
fGoodCherenkovHit
fCherenkovADC
fNClusters
0.00
0.02
0.04
0.06
0.08
0.10
0.12


fNClusters
fCherenkovADC
fGoodCherenkovHit
fYClusterSkew
fXClusterSkew
fYClusterSigma
fXClusterSigma
fYCluster
fXCluster
fClusterEnergy
fBackgro


Neural net output (neuron 0)
×10^3
Background
Signal
25
20
15
10
5
0
-0.4
-0.2
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4


NN output
Background events
DIS e-
-0.4
-0.2
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4


Training sample
Test sample
Error
0.3458
0.3456
0.3454
0.3452
0.3450
0.3448
0.3446
0.3444
0.3442
0.3440
0.3438
0
10
20
30
40
50
Epoch