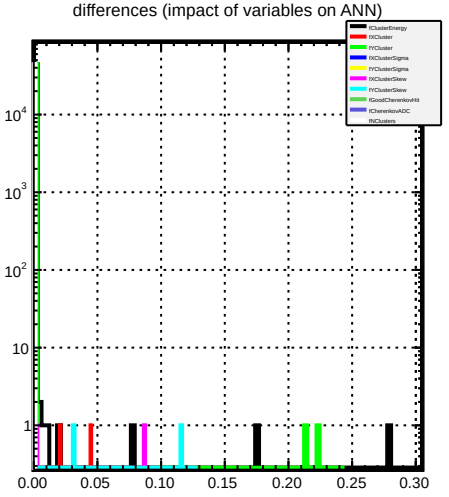
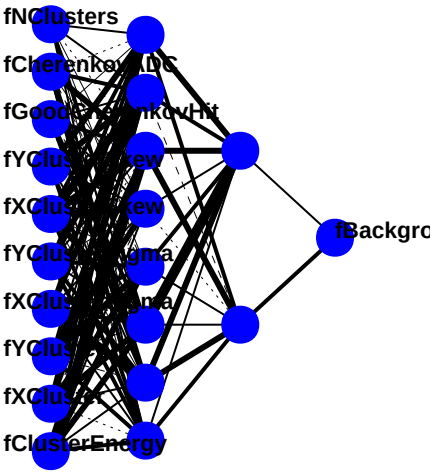
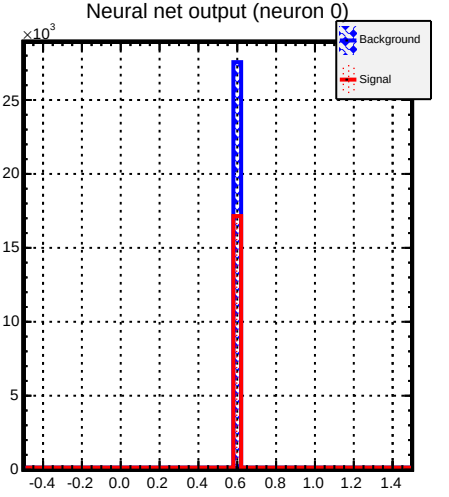
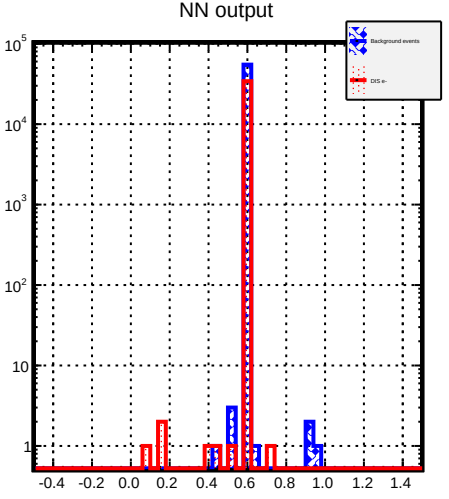
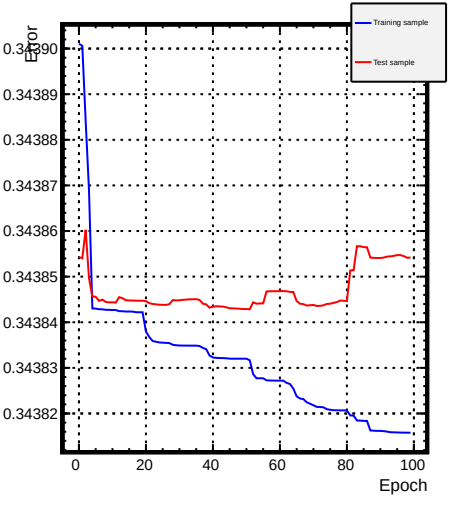

differences (impact of variables on ANN)
fClusterEnergy
fNCluster
fYCluster
fXCluster
fYClusterSigma
fXClusterSigma
fYClusterSkew
fXClusterSkew
fGoodCherenkovHit
fCherenkovADC
fNClusters
0.00
0.05
0.10
0.15
0.20
0.25
0.30


fNClusters
fCherenkovADC
fGoodCherenkovHit
fYClusterSkew
fXClusterSkew
fYClusterSigma
fXClusterSigma
fYCluster
fXCluster
fClusterEnergy
fBackgro


Neural net output (neuron 0)
×10^3
Background
Signal
-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
0.34390
0.34389
0.34388
0.34387
0.34386
0.34385
0.34384
0.34383
0.34382
0
20
40
60
80
100
Epoch