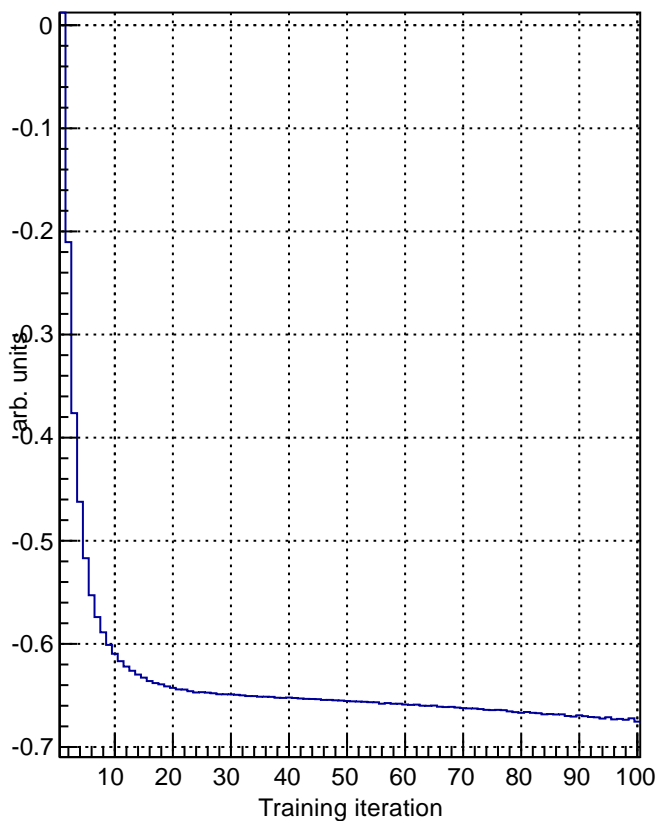
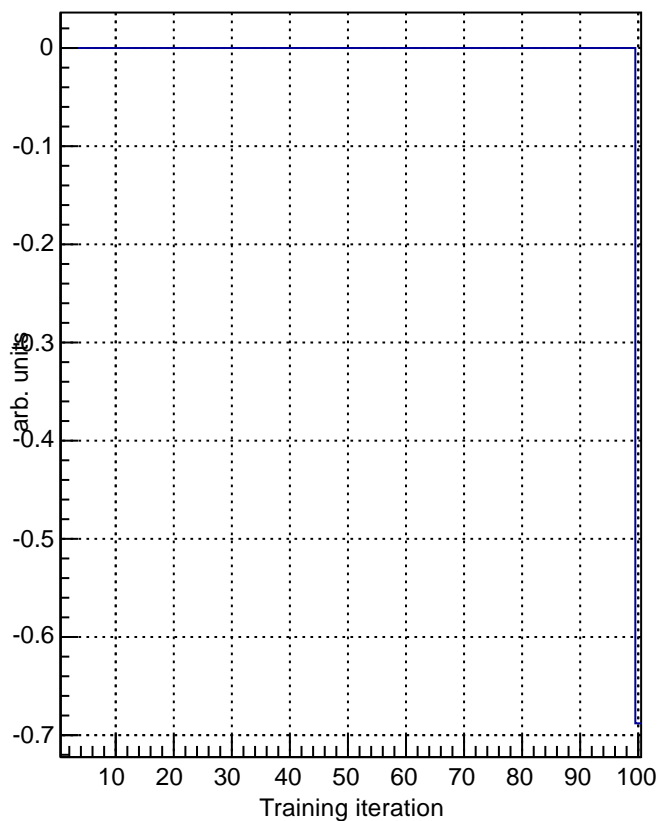


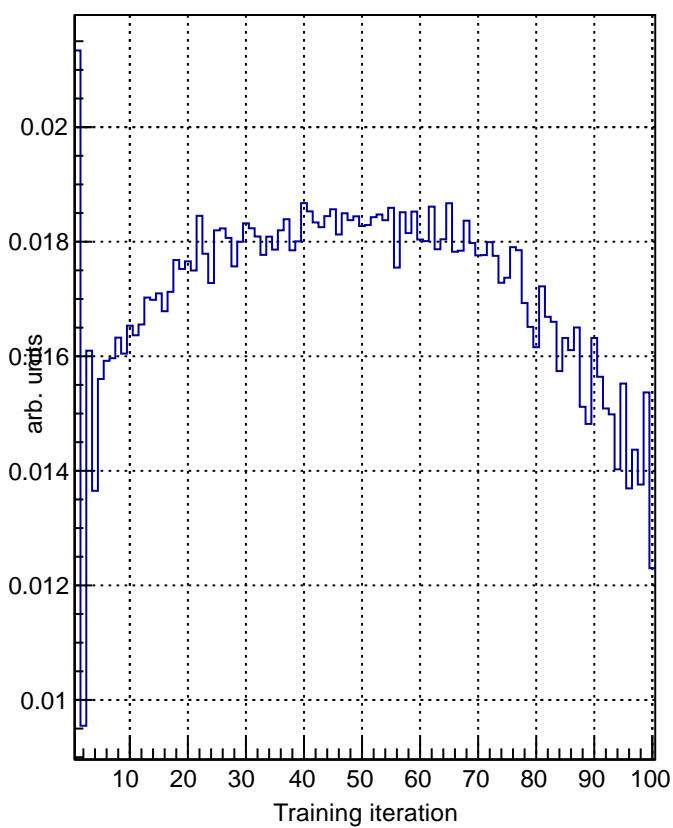
Error



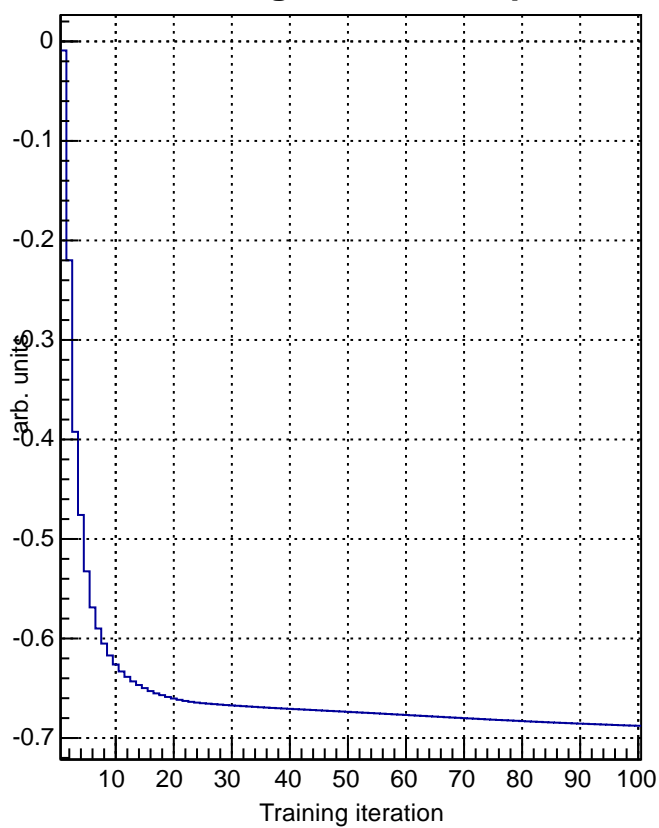
Error Testsample



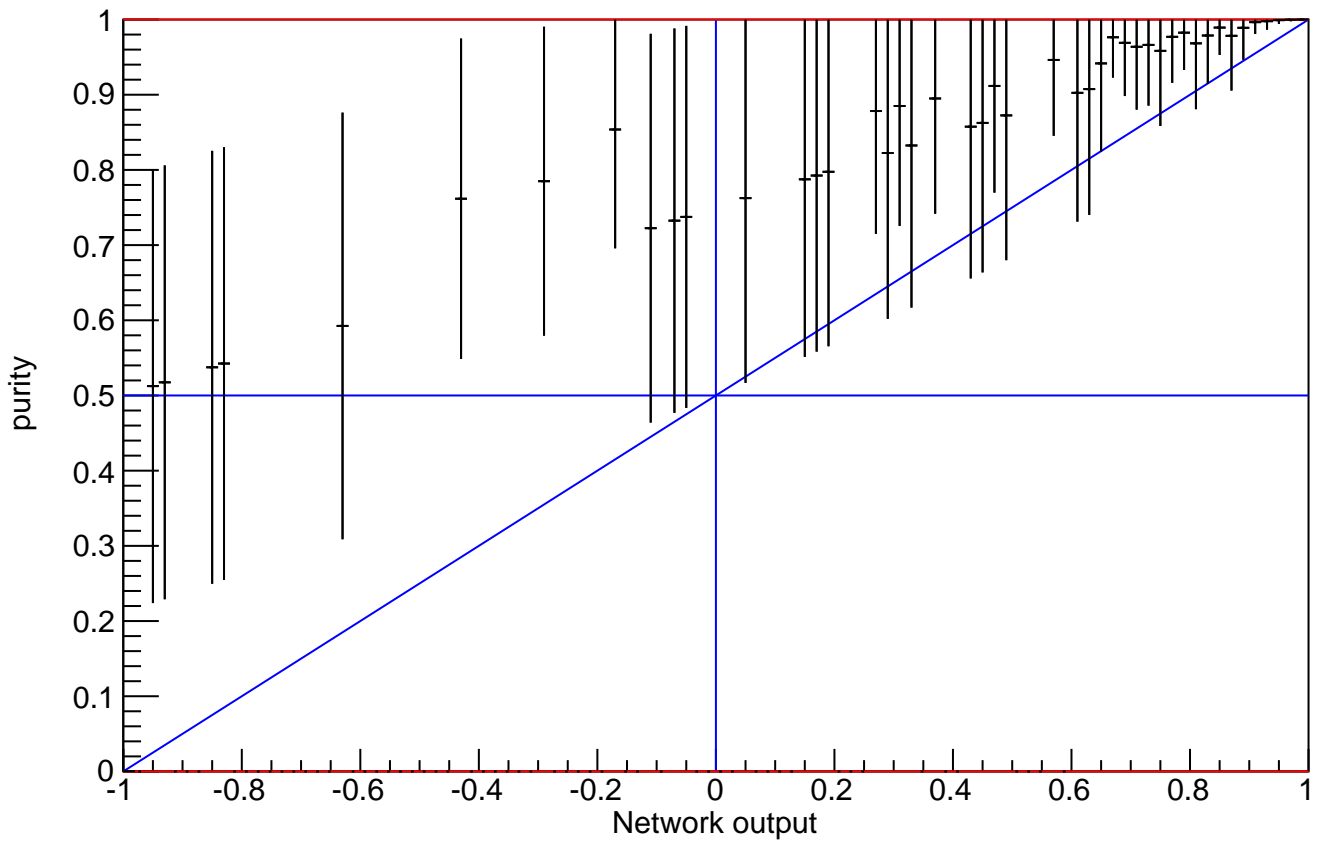
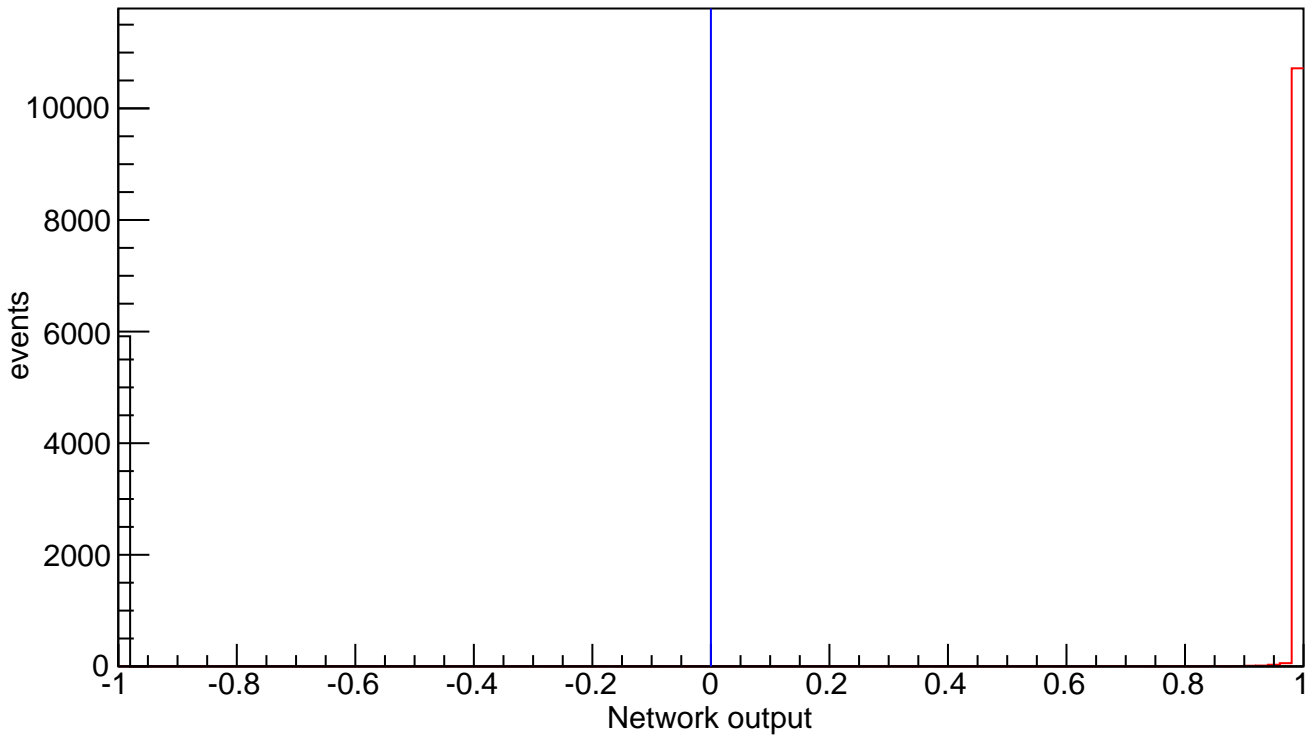
regularisation param. * weights

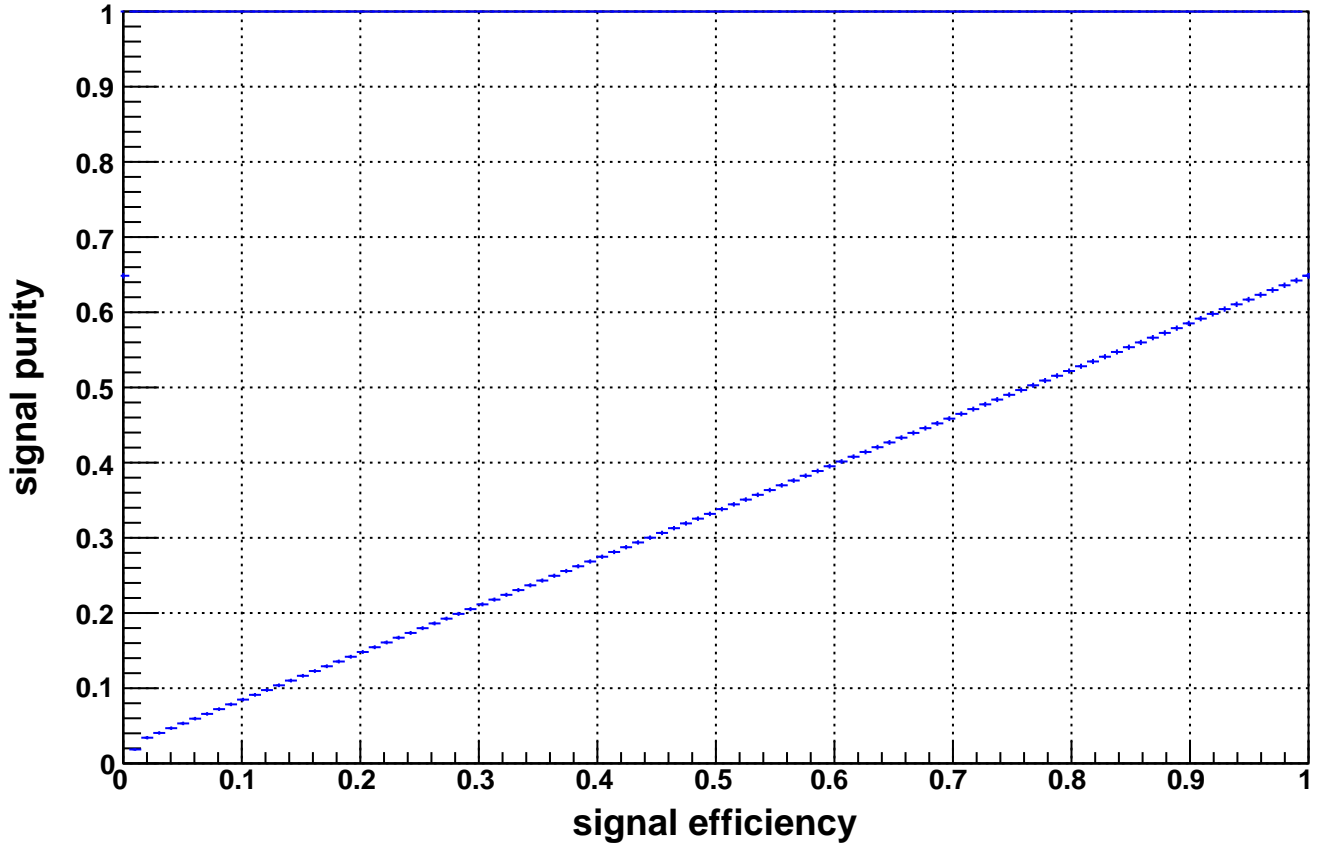


Err-Weight Learnsample

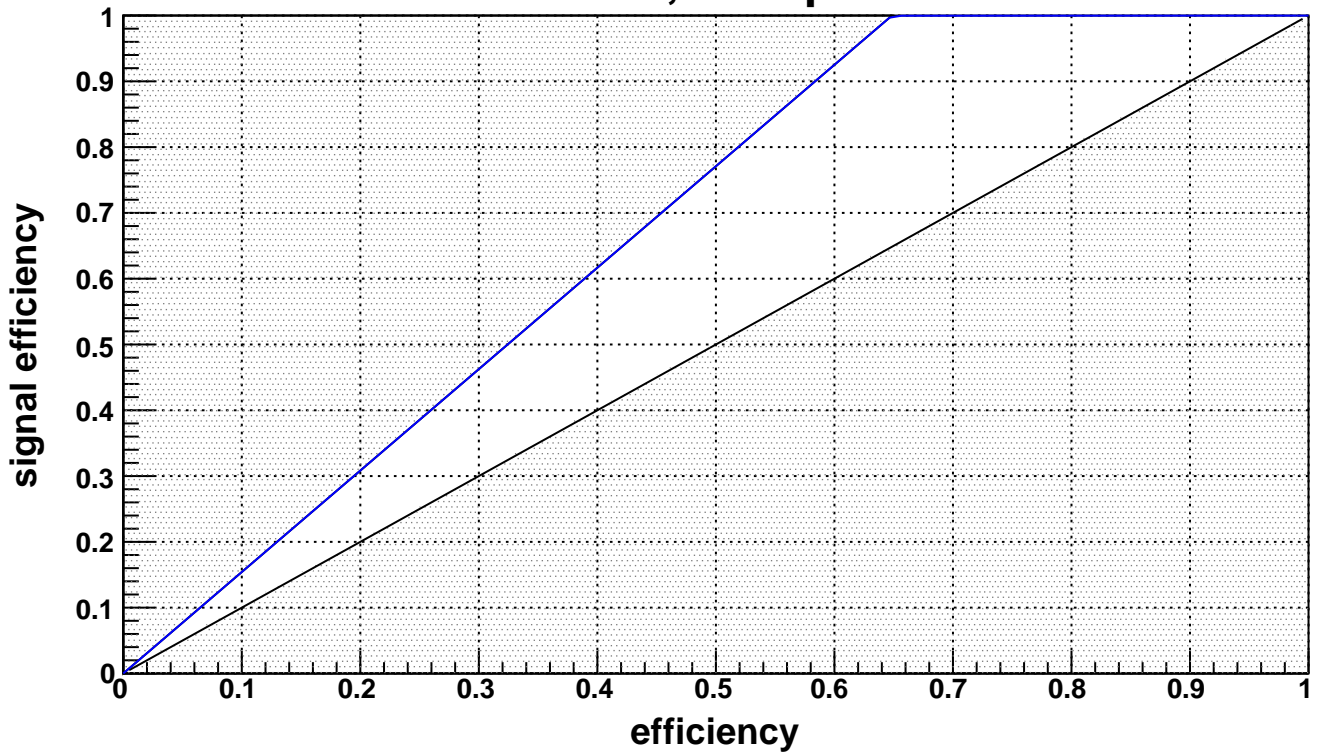


Output Node 1 (n = 16835 s = 10919 b = 5916 $p_{\text{sig}} = 0.6486$)

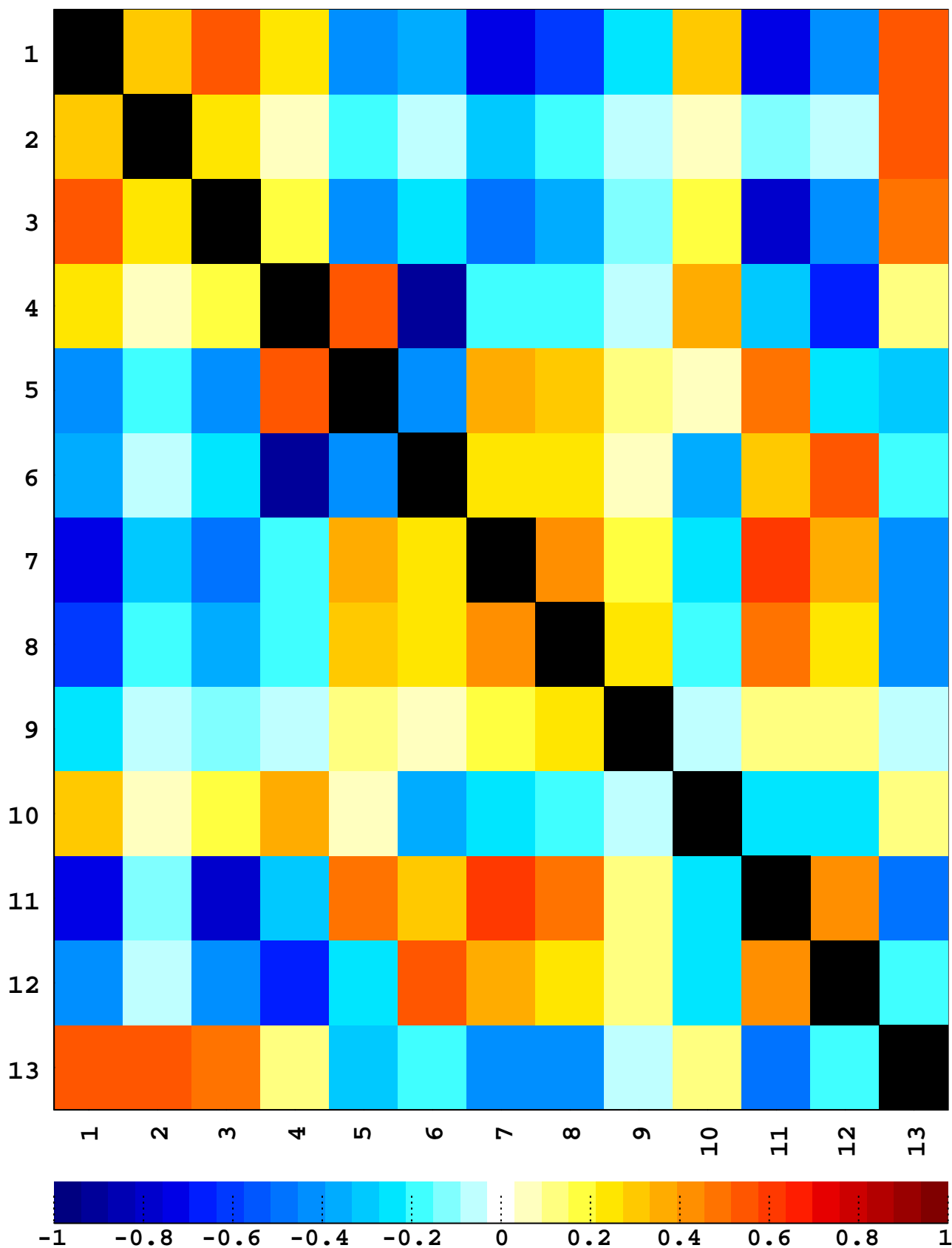




Gini index = 36.1%, max possible = 35.1%



correlation matrix of input variables



signi. loss 18.23

corr. to others 90.30%

Phi-T

NeuroBayes[®] Teacher



Input node 6 : jeta1eta2

2nd most important

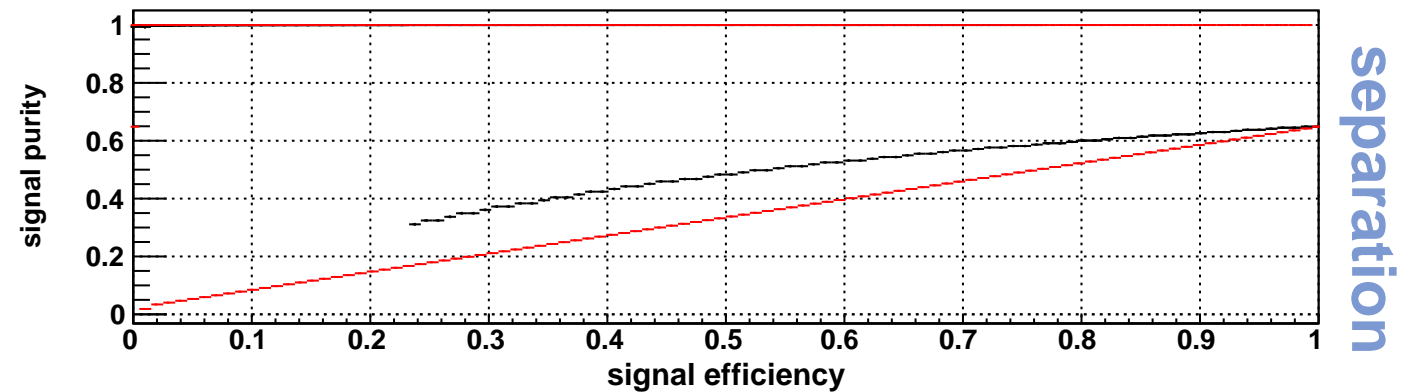
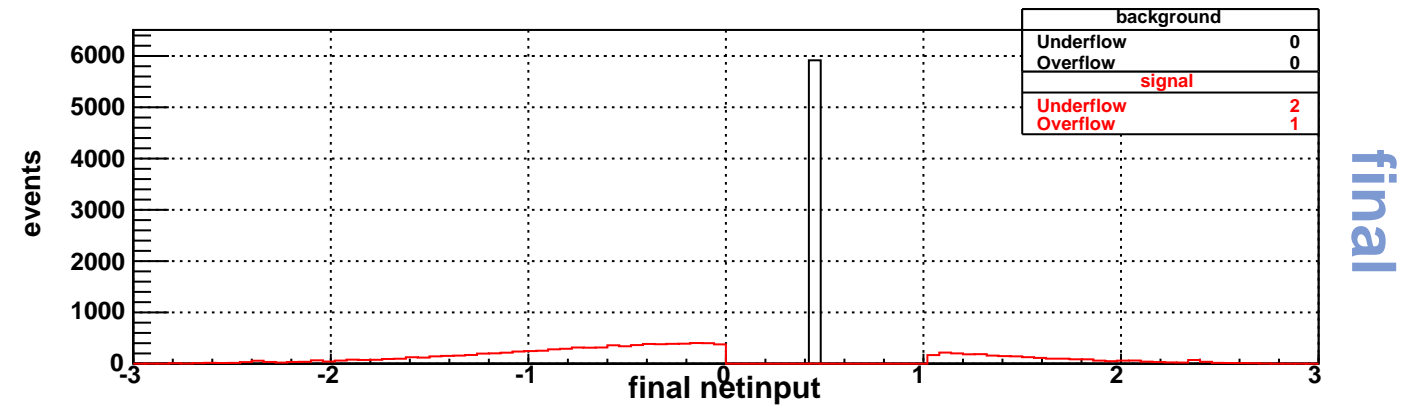
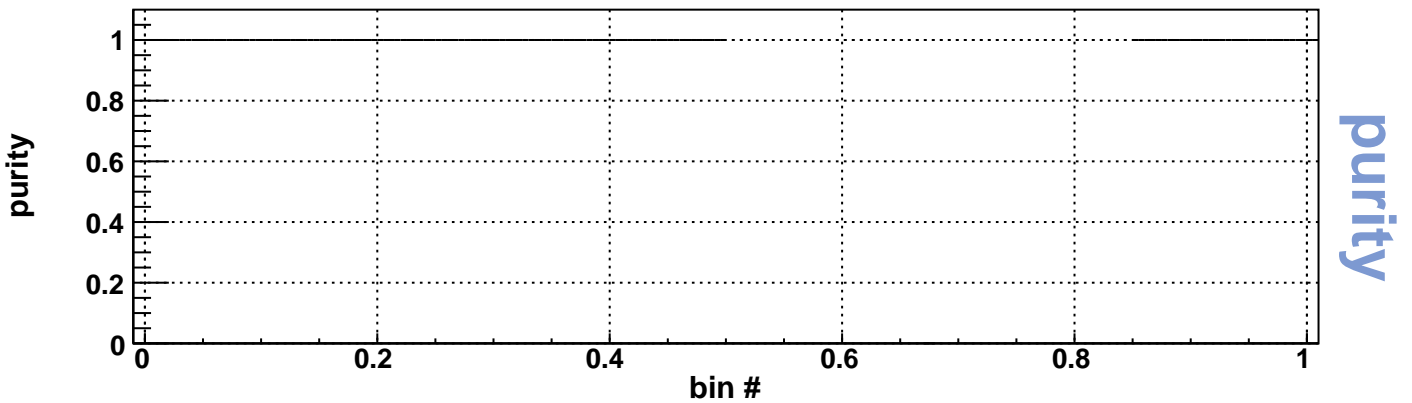
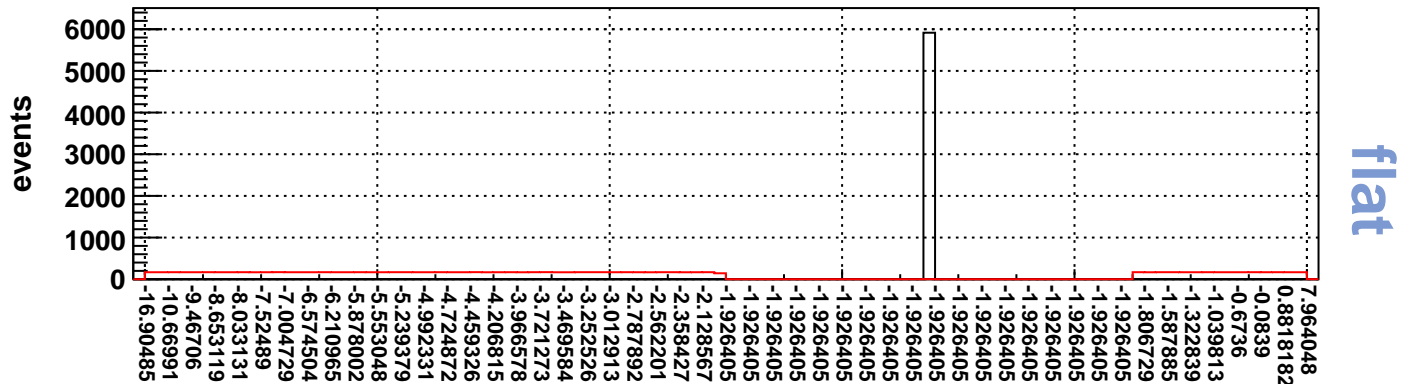
added signi. 79.75

signi. loss 17.82

PrePro: 12 #6

only this 44.54

corr. to others 90.70%



Input node 7 : pt_tot

3rd most important

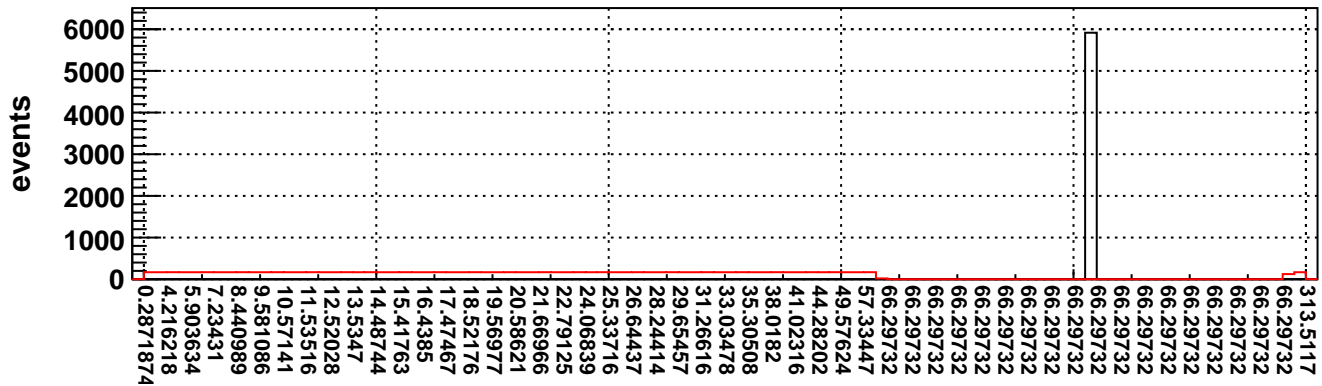
added signi. 40.82

signi. loss 23.51

PrePro: 12 #7

only this 93.27

corr. to others 68.90%



Input node 8 : met centrality

4th most important

added signi. 30.60

signi. loss 21.88

PrePro: 12 #8

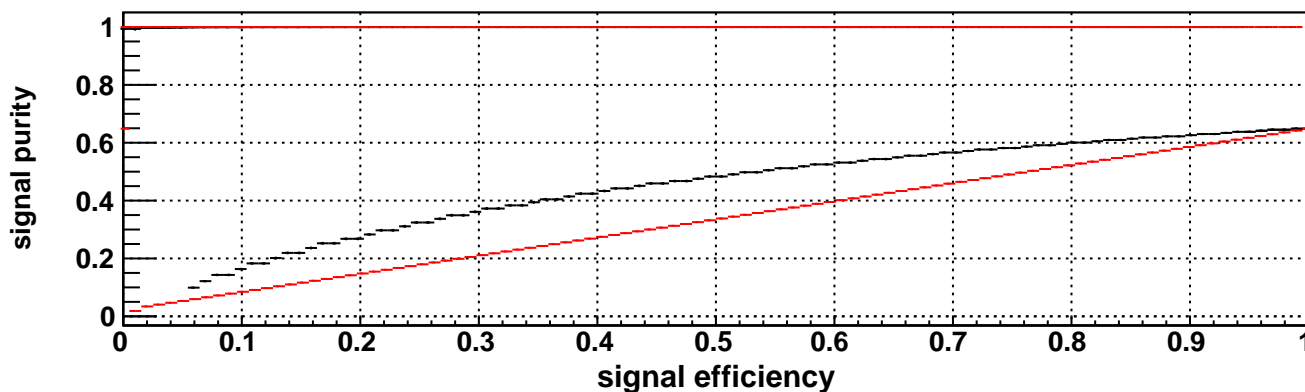
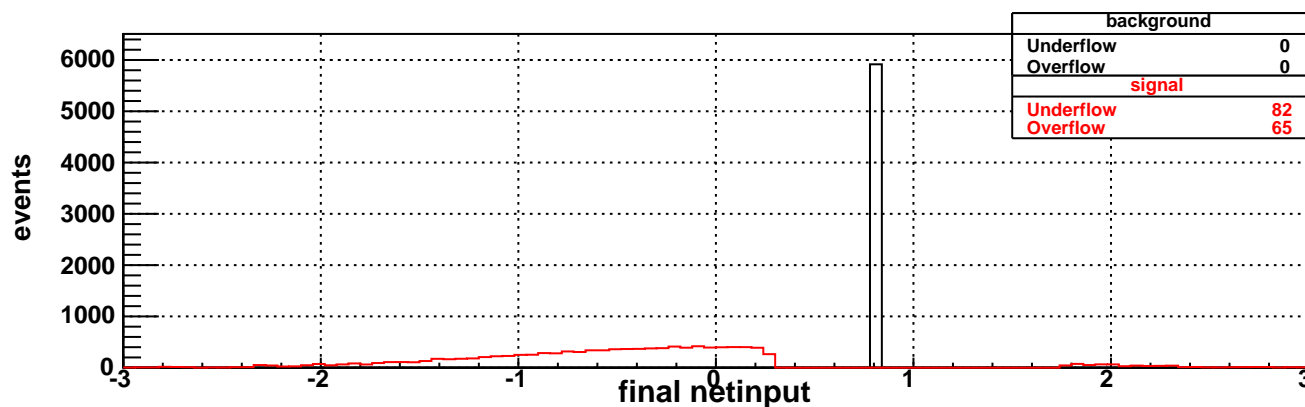
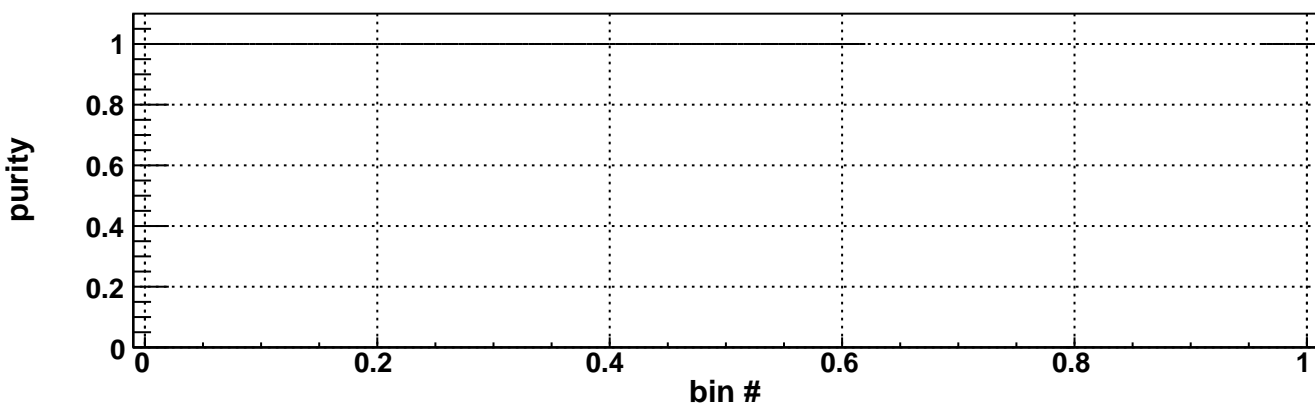
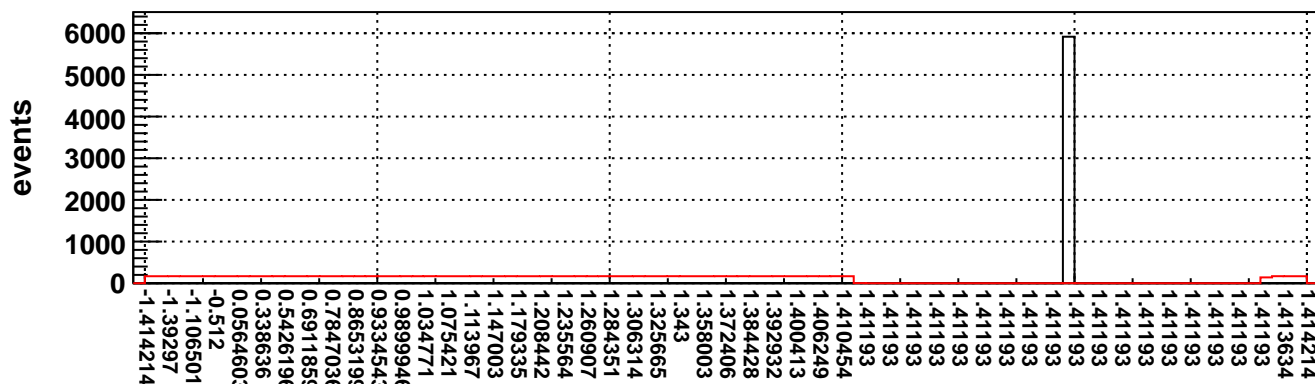
only this 81.03

corr. to others 58.90%



Phi-T

NeuroBayes® Teacher



Input node 12 : sphericity

5th most important

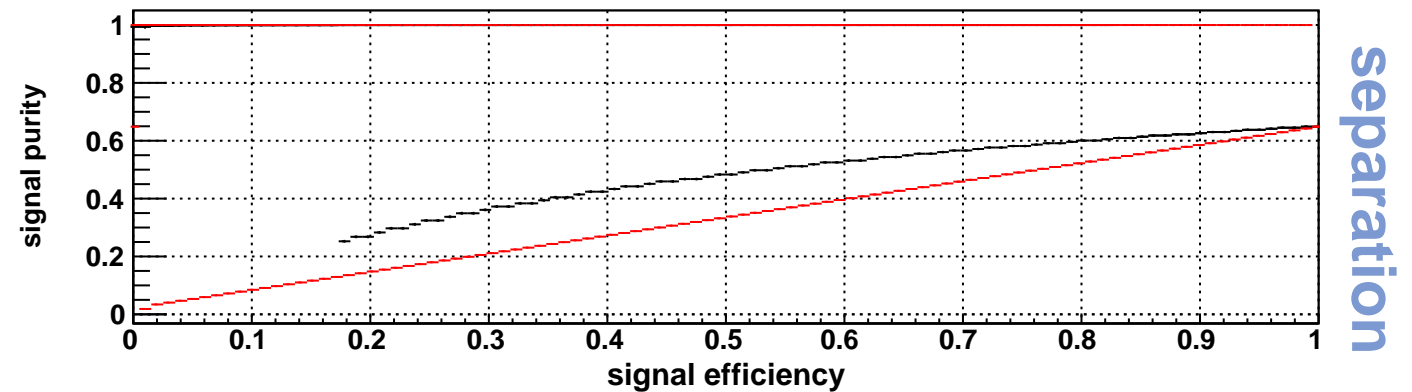
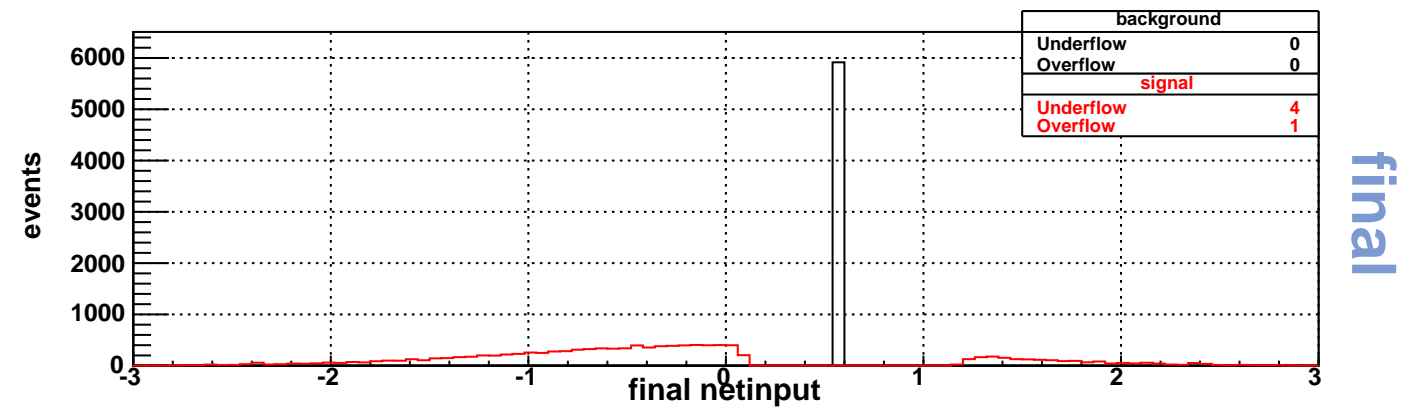
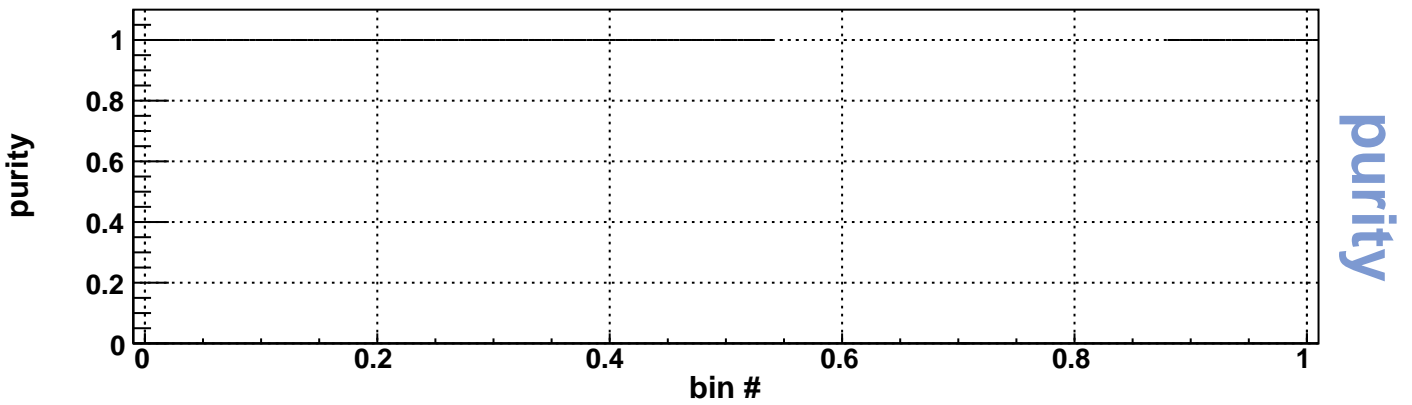
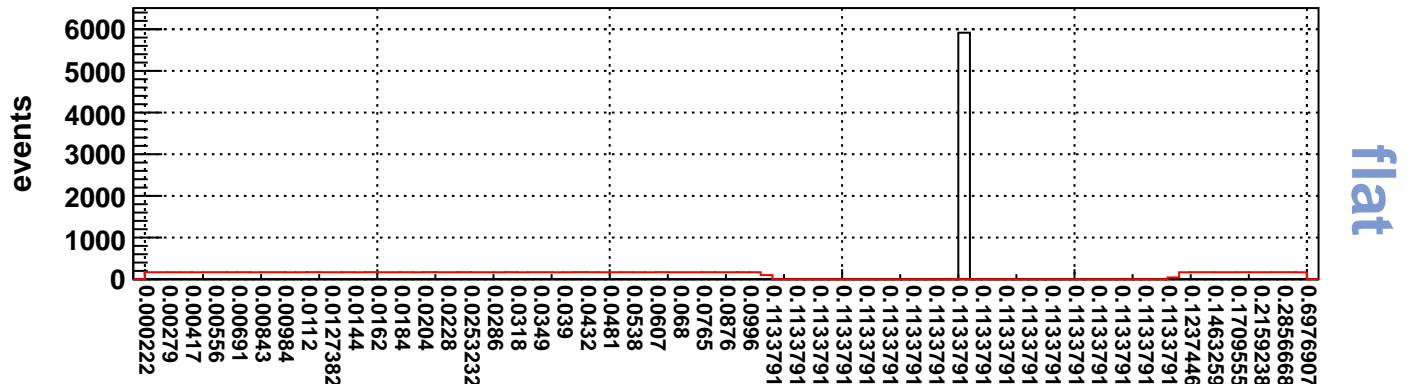
added signi. 21.41

signi. loss 21.97

PrePro: 12 #12

only this 55.91

corr. to others 77.00%



11

PrePro: 12 #13

only this 71.03

corr. to others 71.60%

Phi-T

NeuroBayes[®] Teacher

Input node 3 : dr_leptau

7th most important

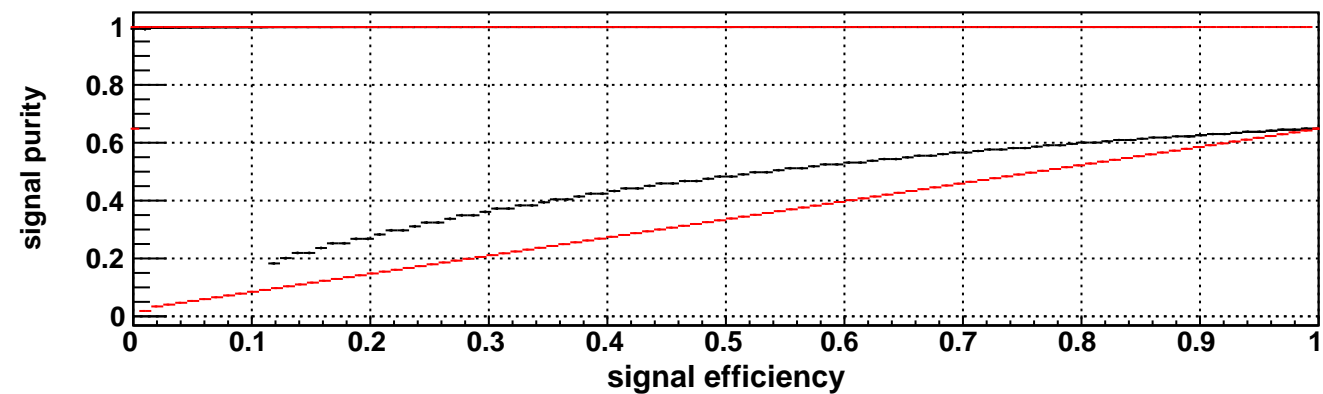
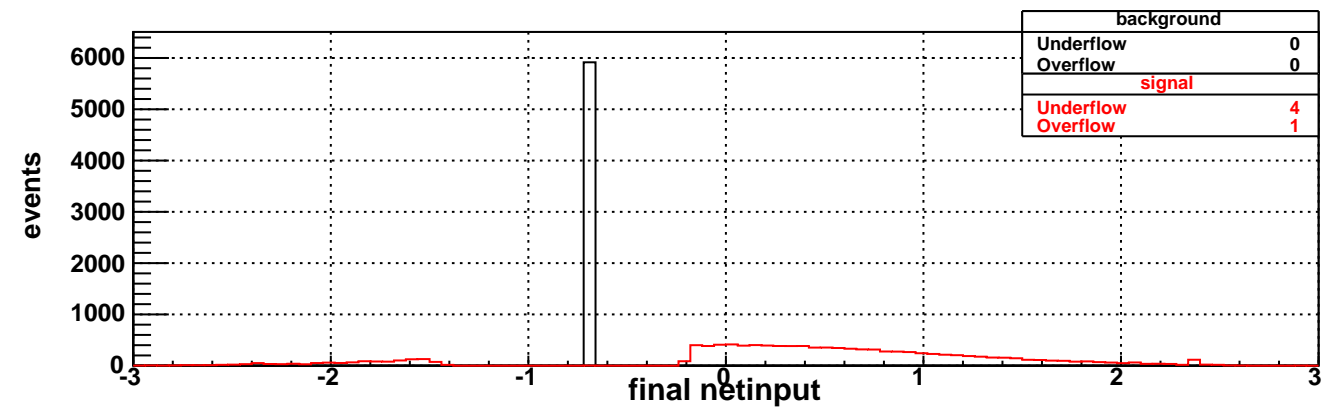
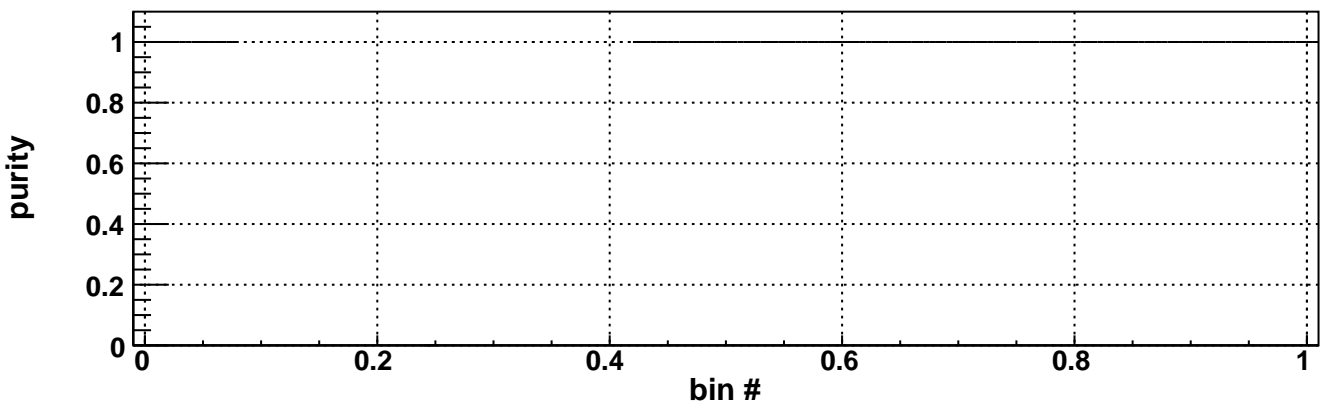
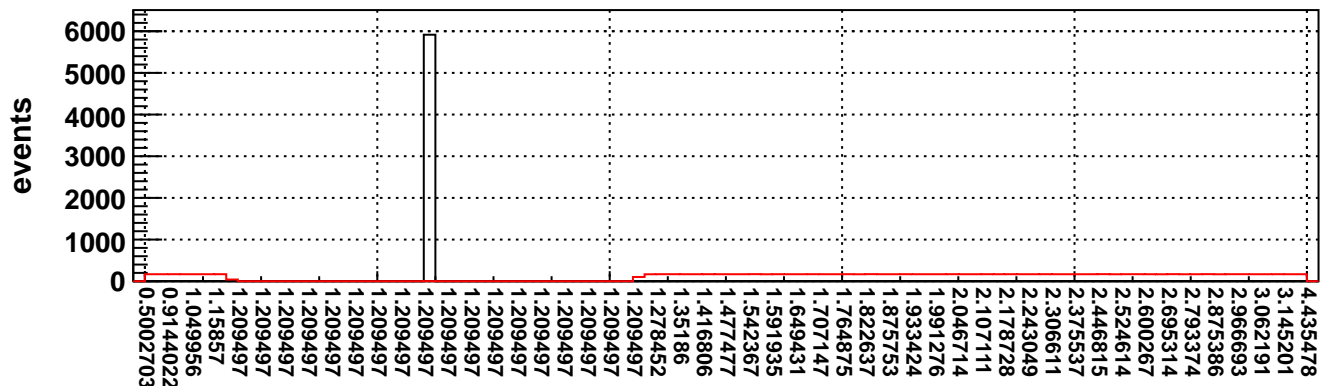
added signi. 12.31

signi. loss 16.77

PrePro: 12 #3

only this 69.03

corr. to others 82.90%



Input node 11 : pt_sum

8th most important

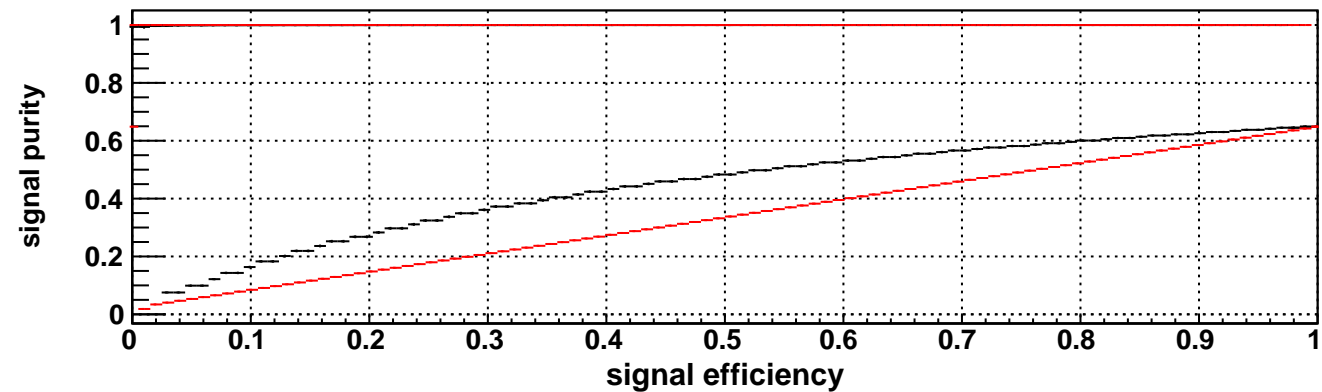
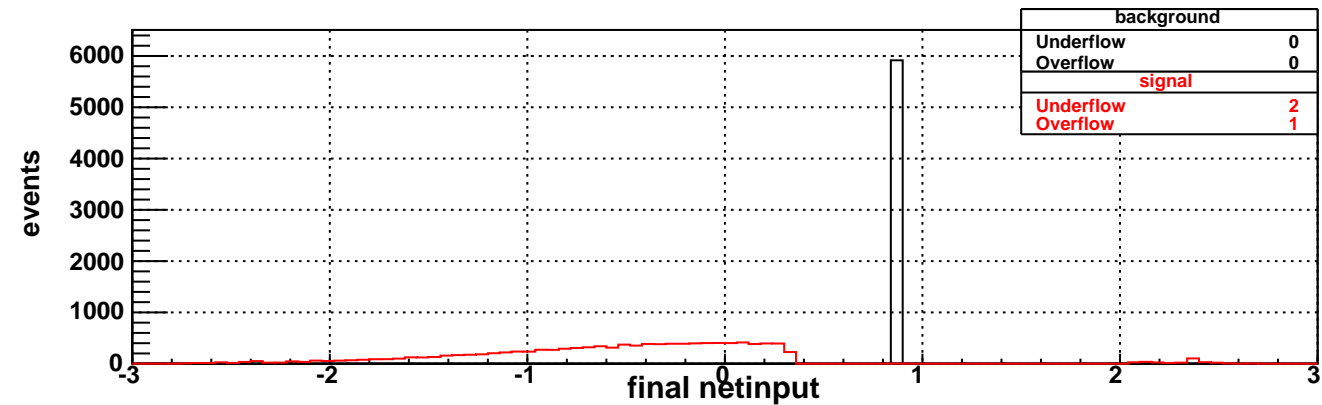
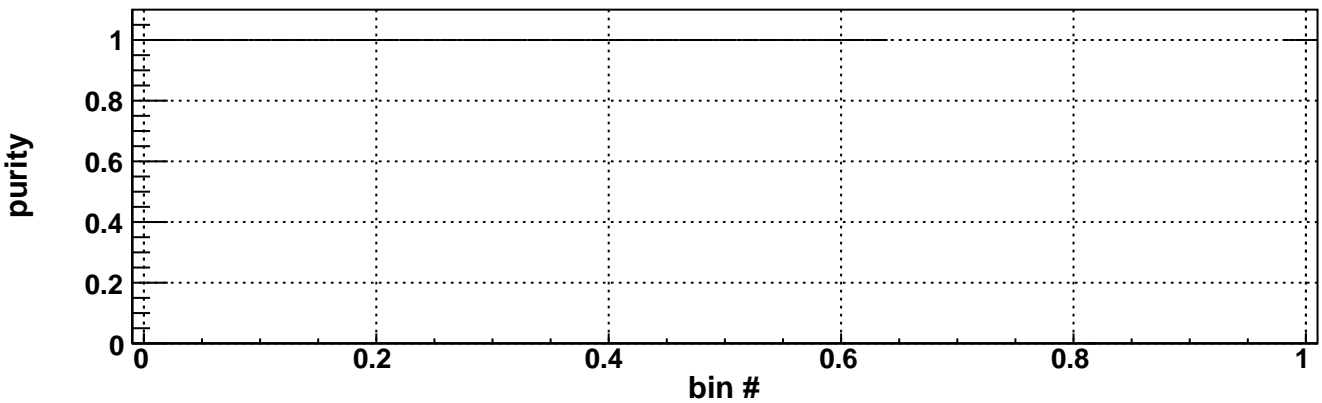
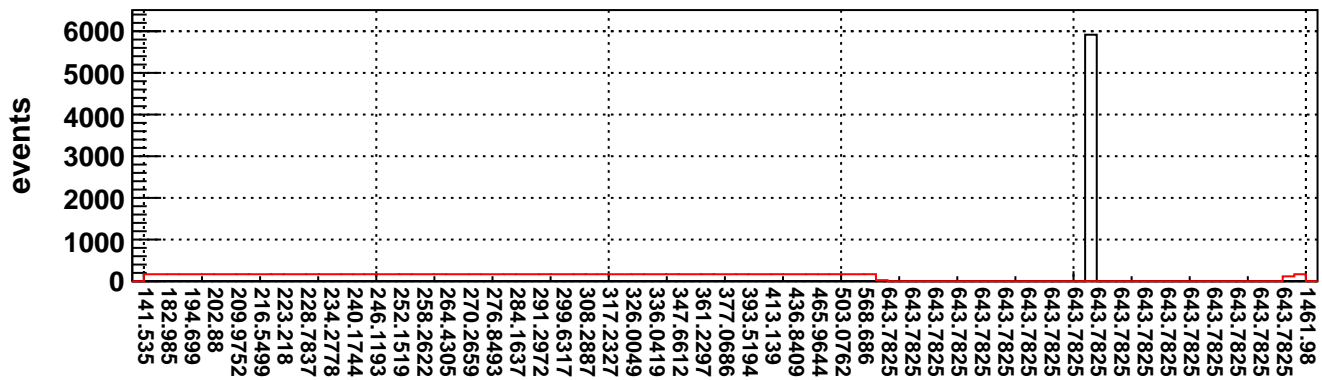
added signi. 8.04

signi. loss 12.22

PrePro: 12 #11

only this 93.48

corr. to others 92.10%



Input node 4 : jdeta

9th most important

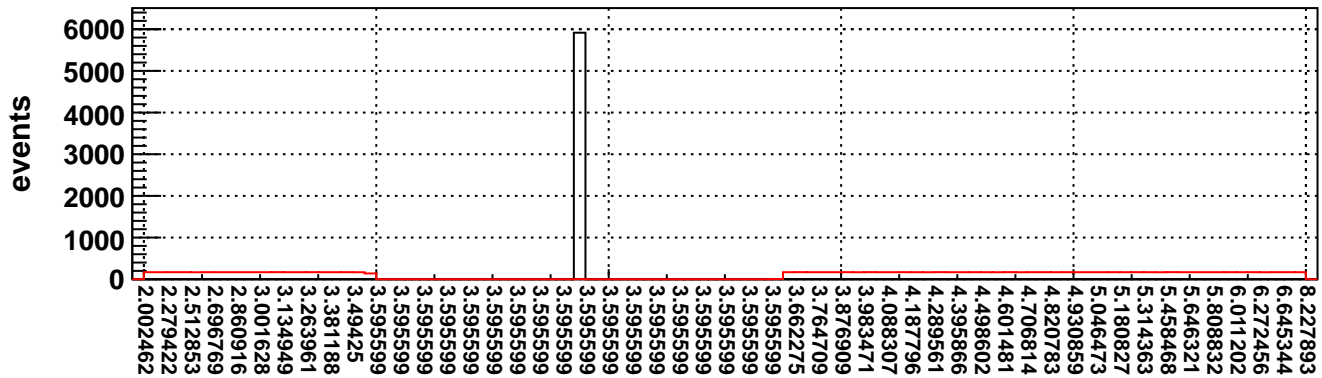
added signi. 8.13

signi. loss 8.69

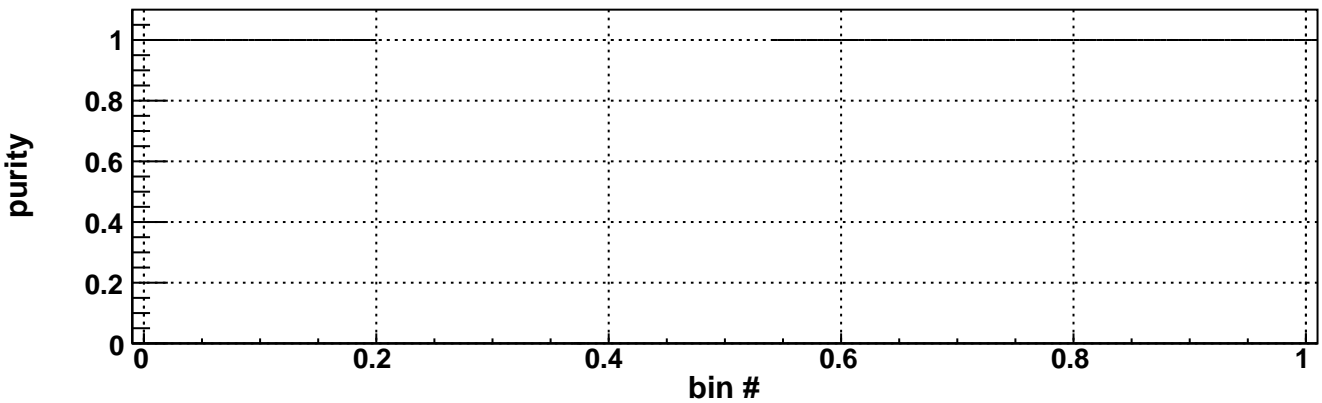
PrePro: 12 #4

only this 32.27

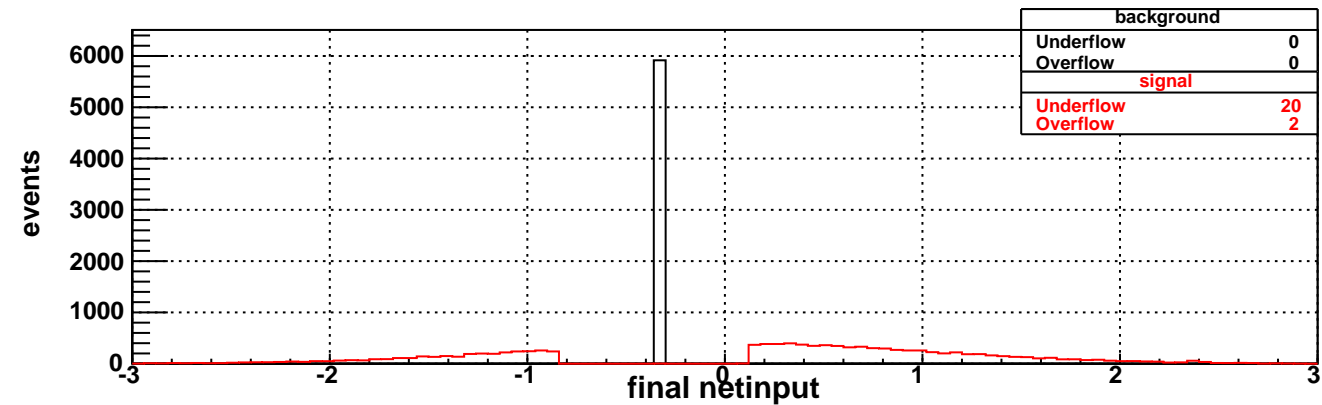
corr. to others 93.50%



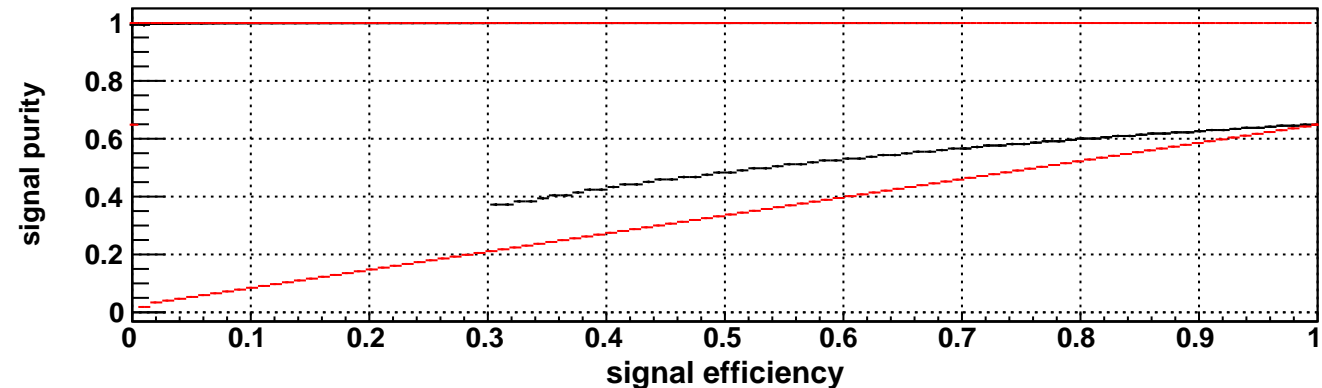
flat



purity



final



separation

Input node 2 : svfit_mass

10th most important

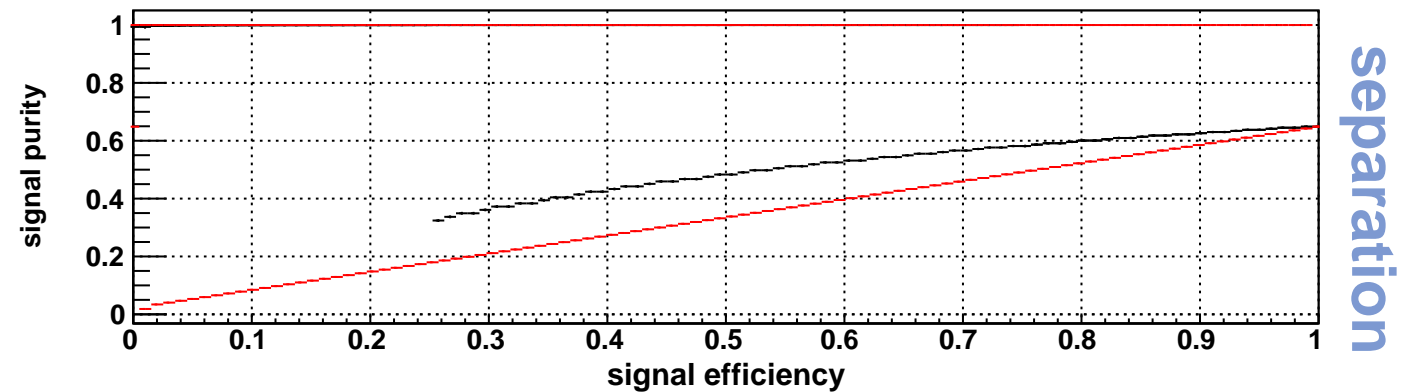
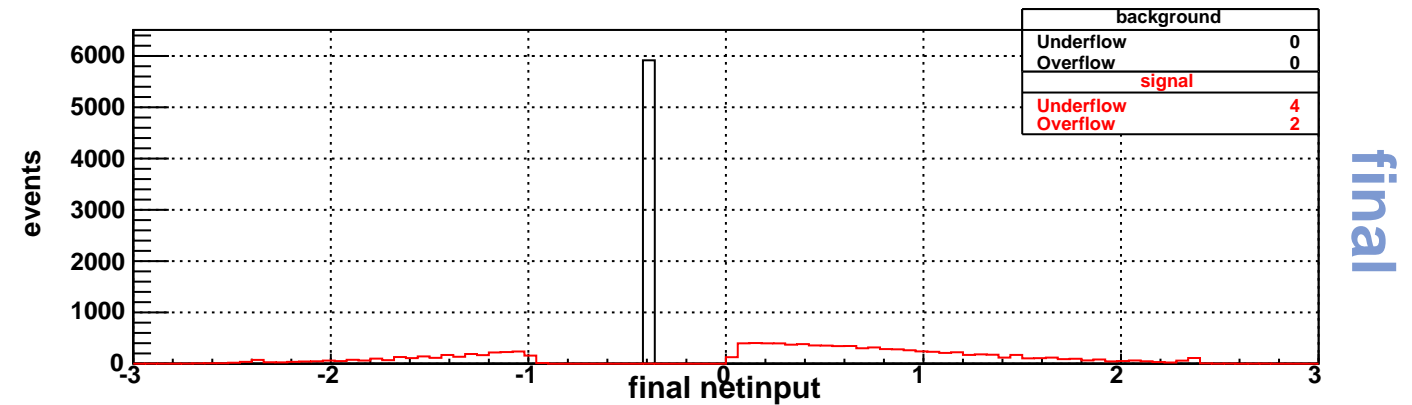
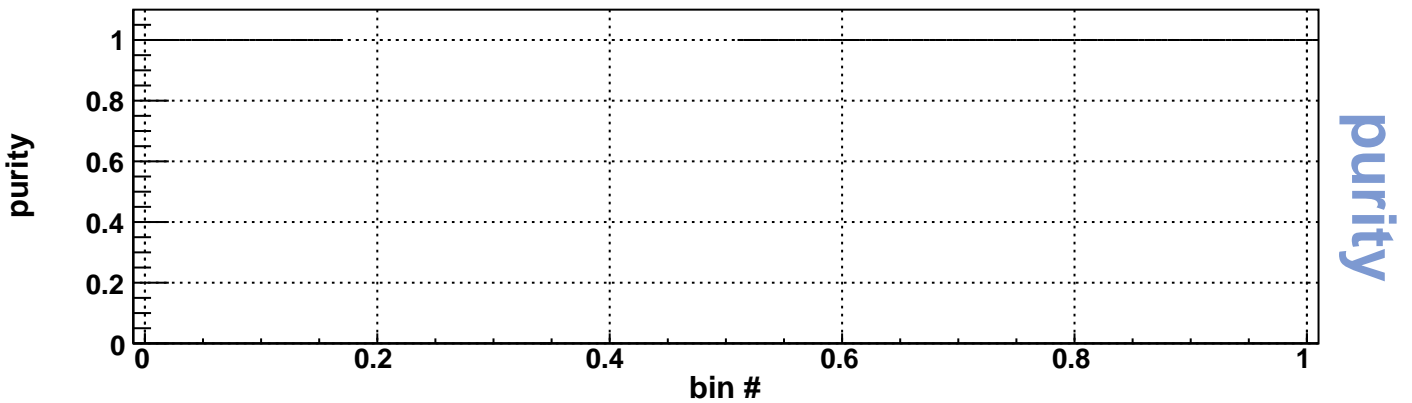
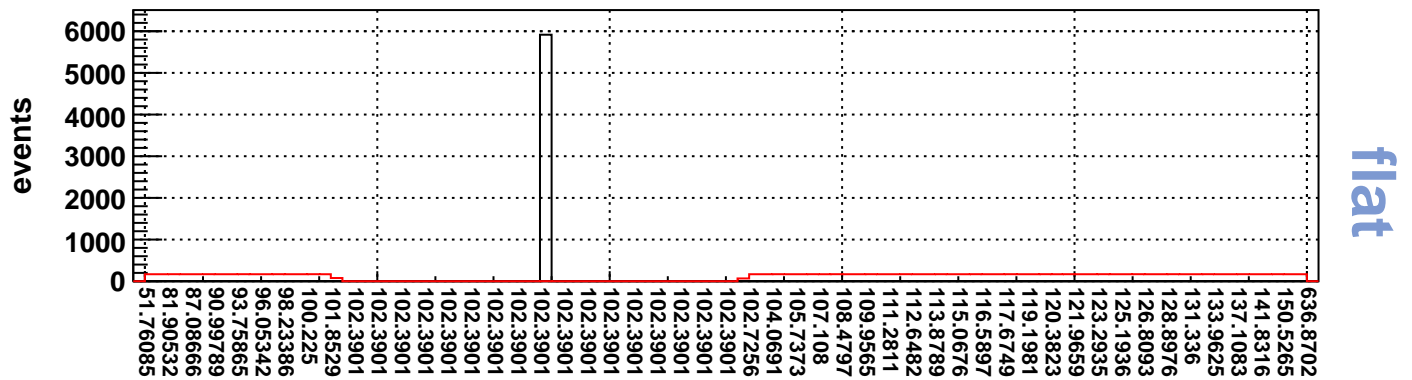
added signi. 7.63

signi. loss 7.52

PrePro: 12 #2

only this 41.19

corr. to others 64.30%



11

NeuroBayes[®] Teacher

PrePro: 12 #10

only this 38.14

corr. to others 41.70%



signi. loss 3.24

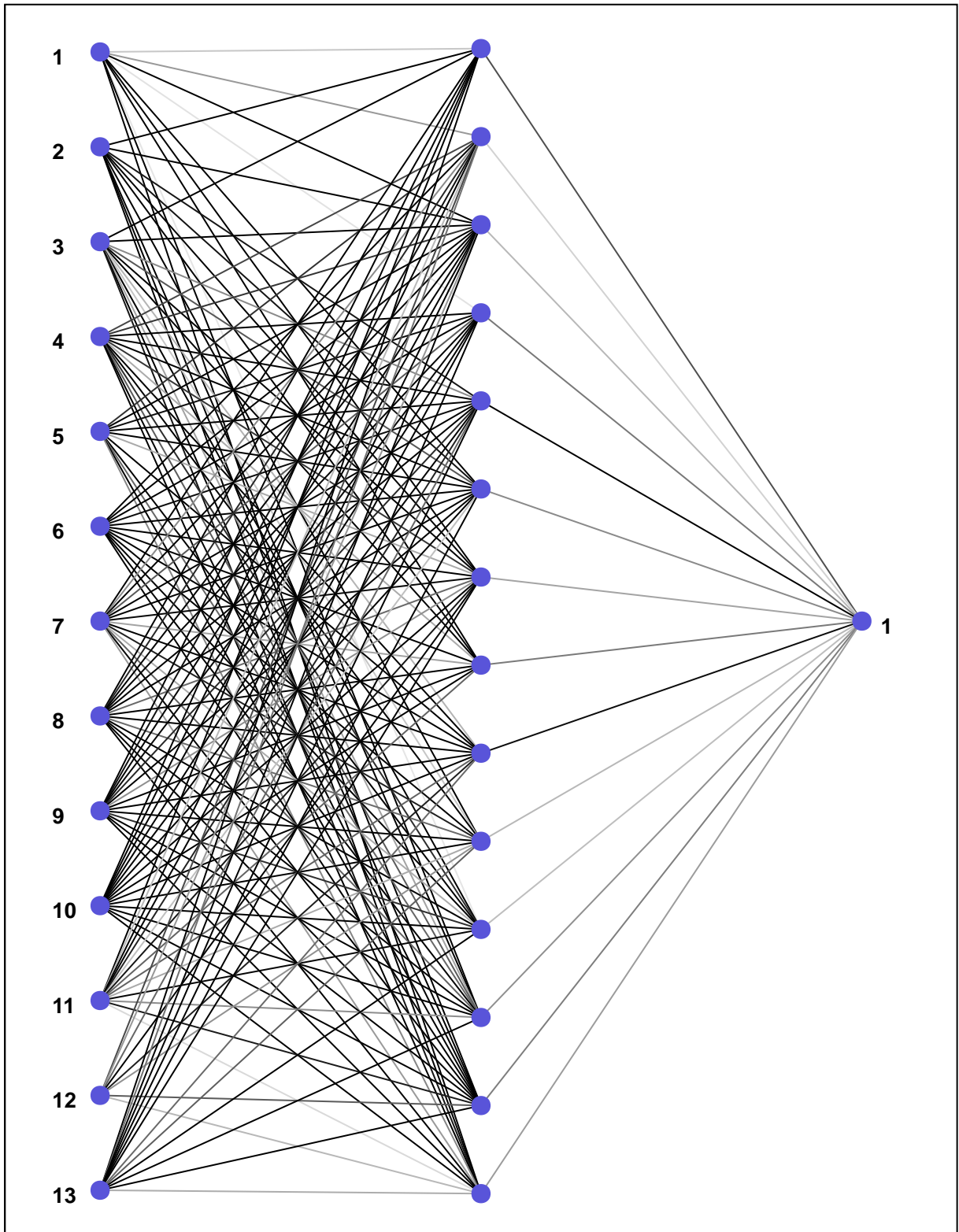
corr. to others 27.50%

Phi-T

NeuroBayes[®] Teacher



Network at iteration 100



input layer

hidden layer

output layer