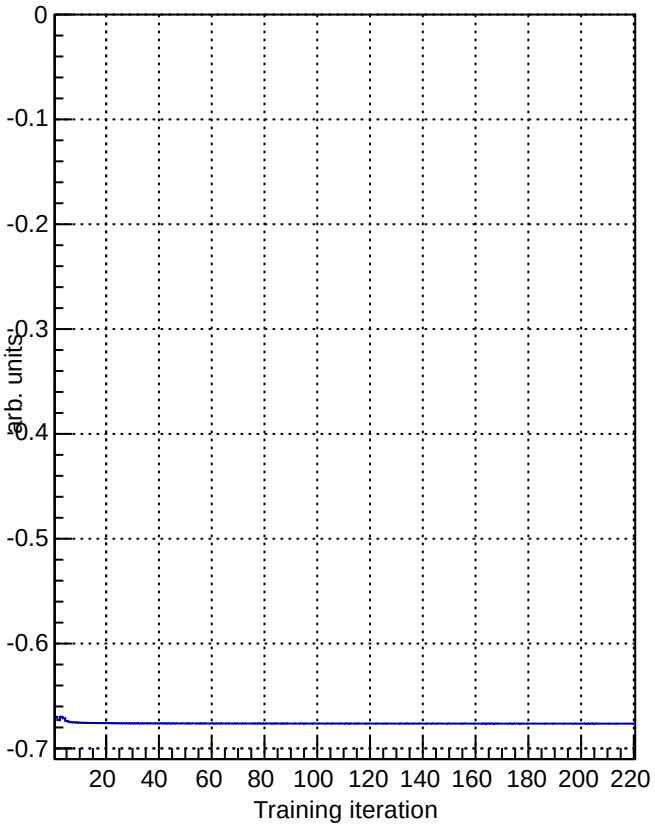
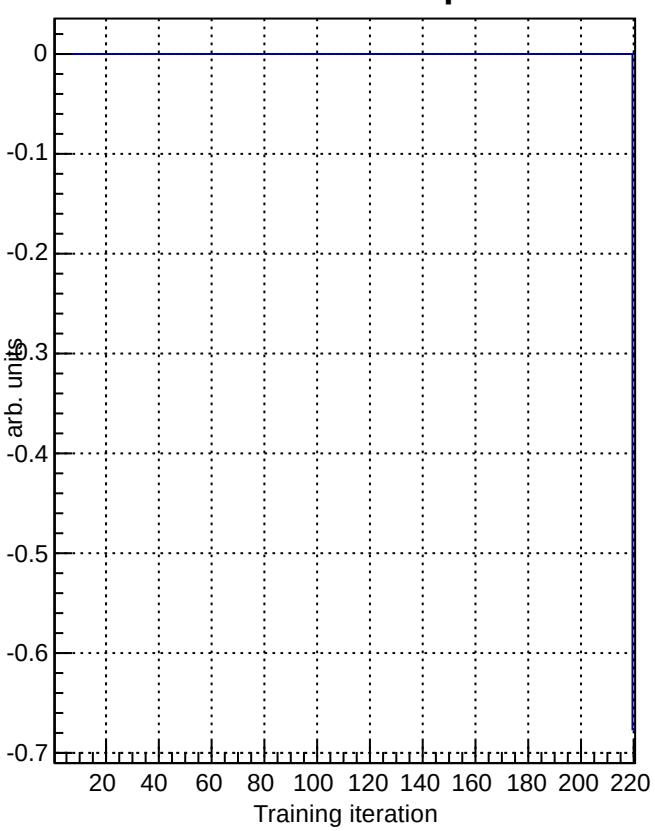
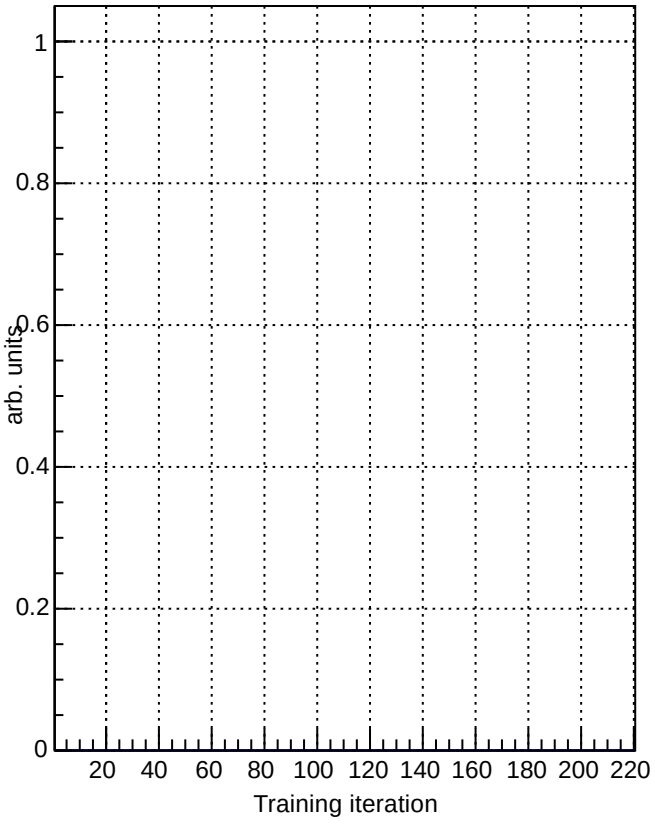
Error



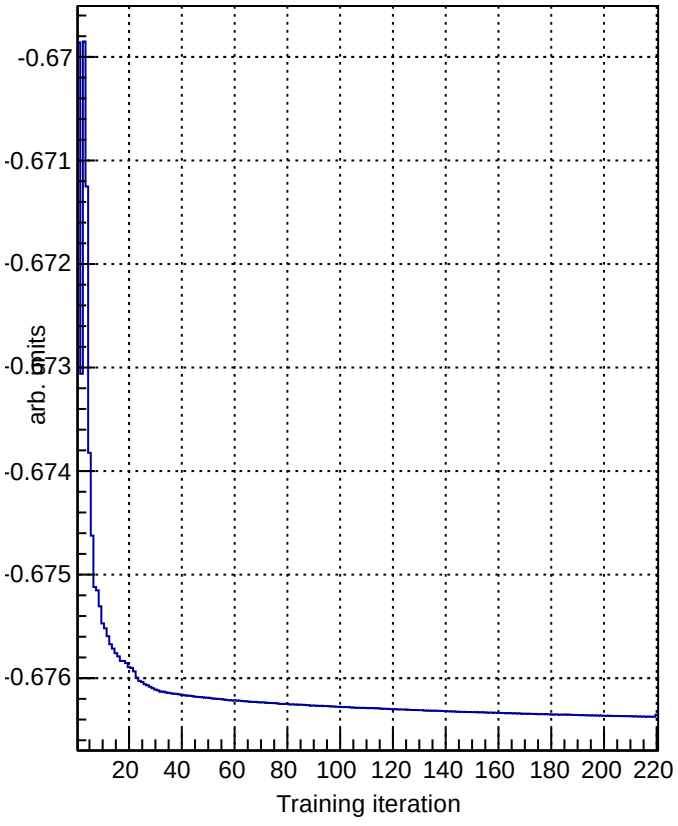
Error Testsample

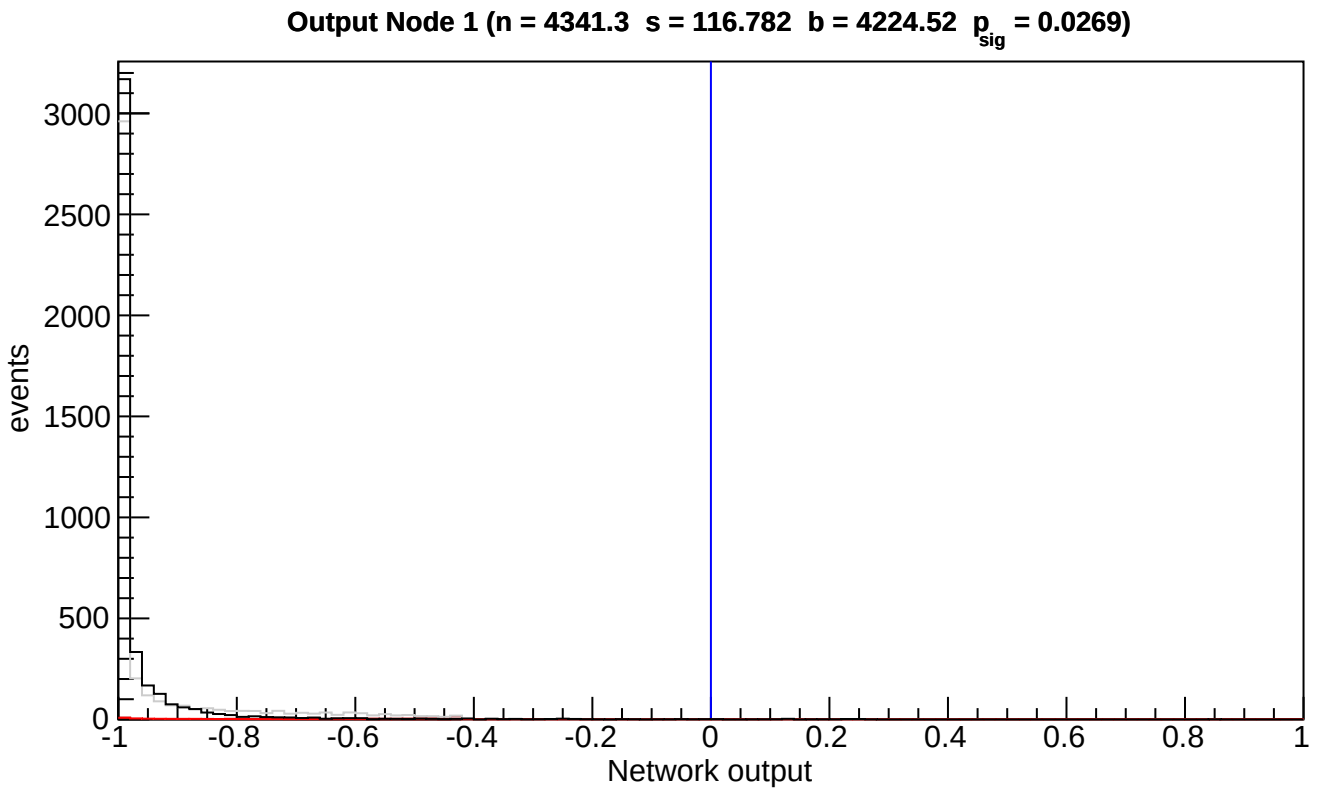


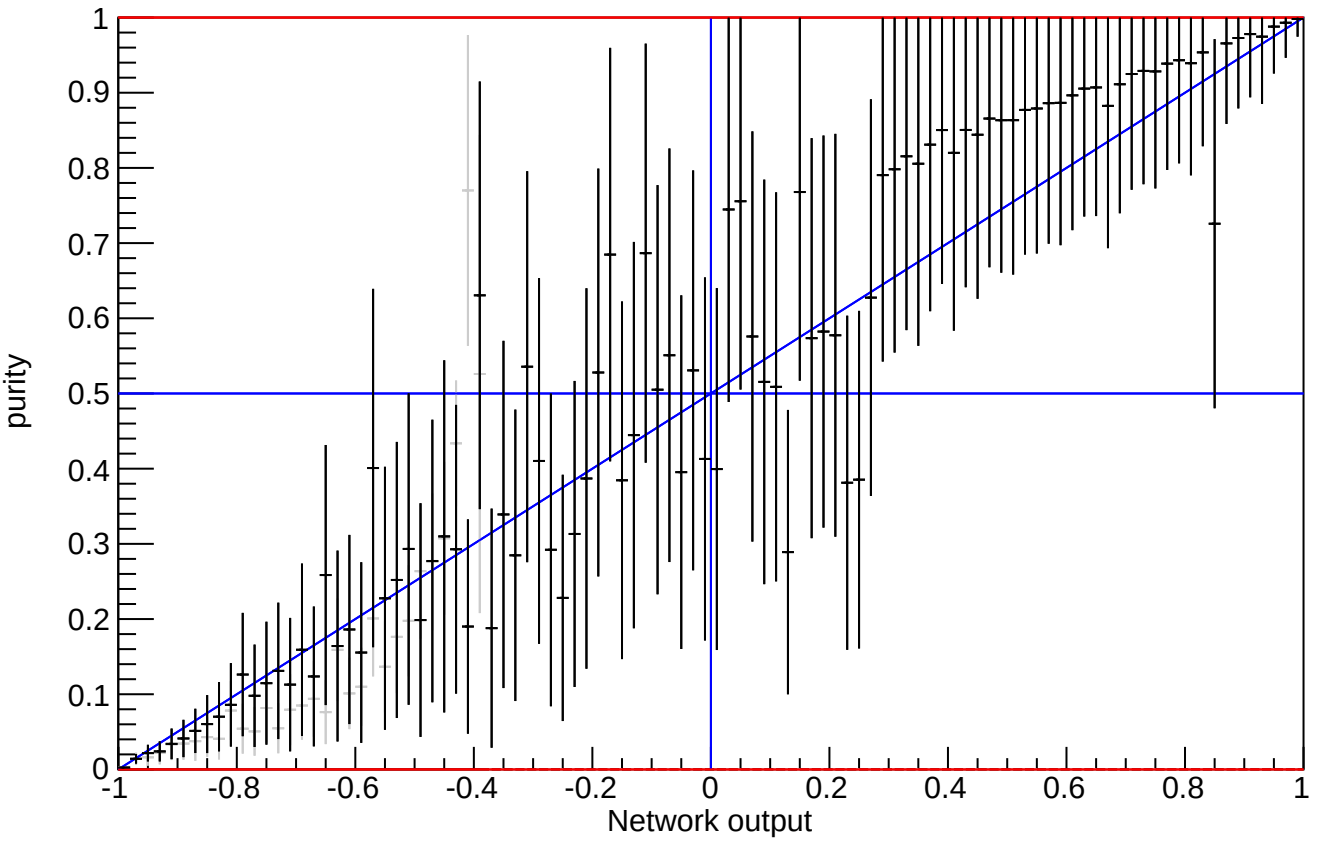
regularisation param. * weights

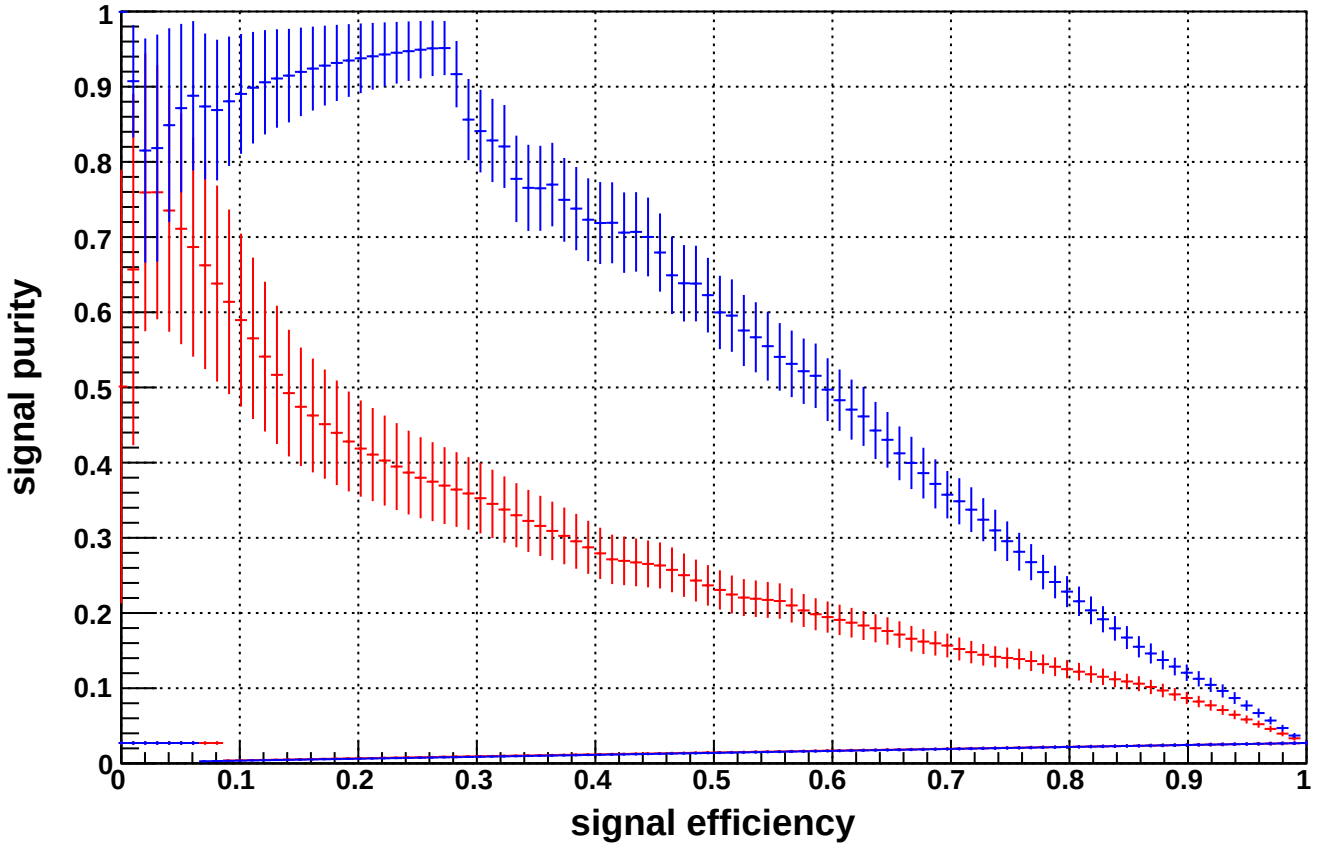


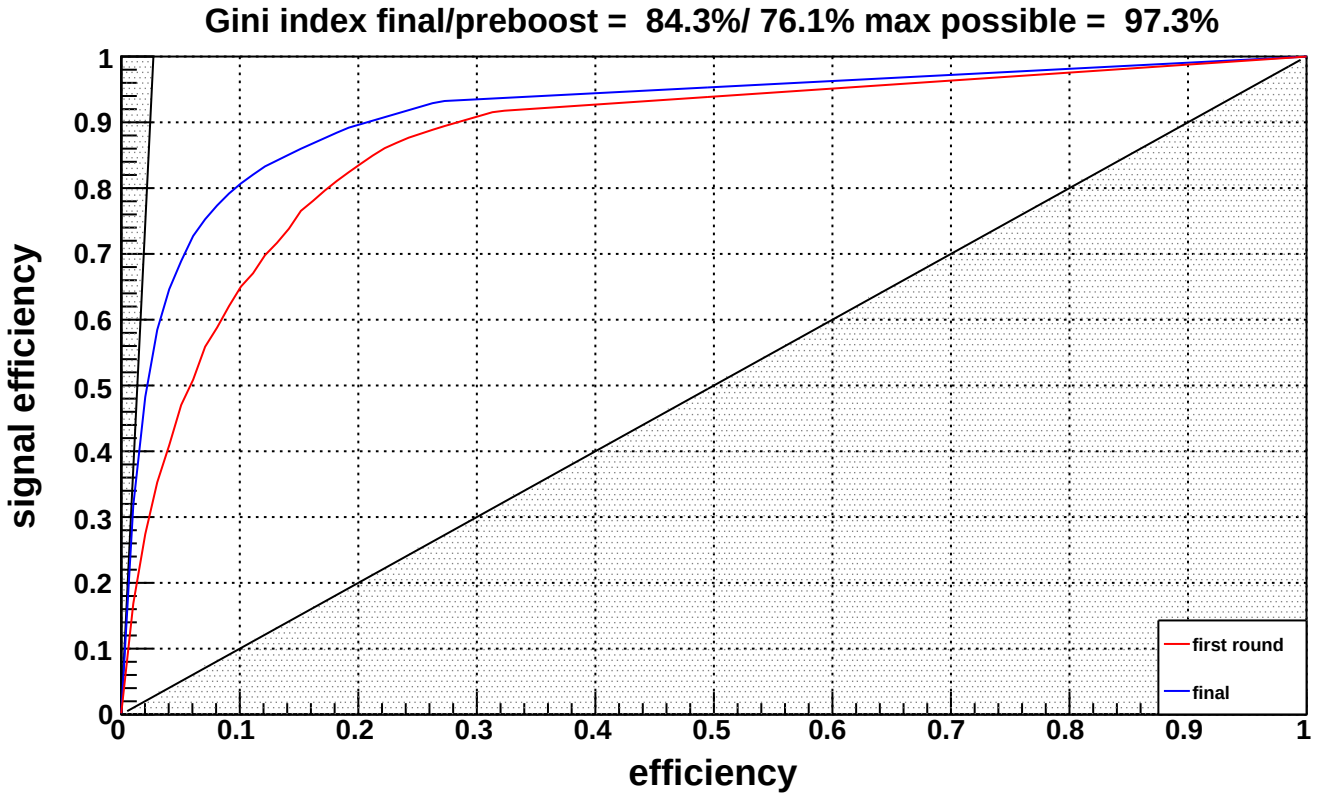
Err-Weight Learnsample

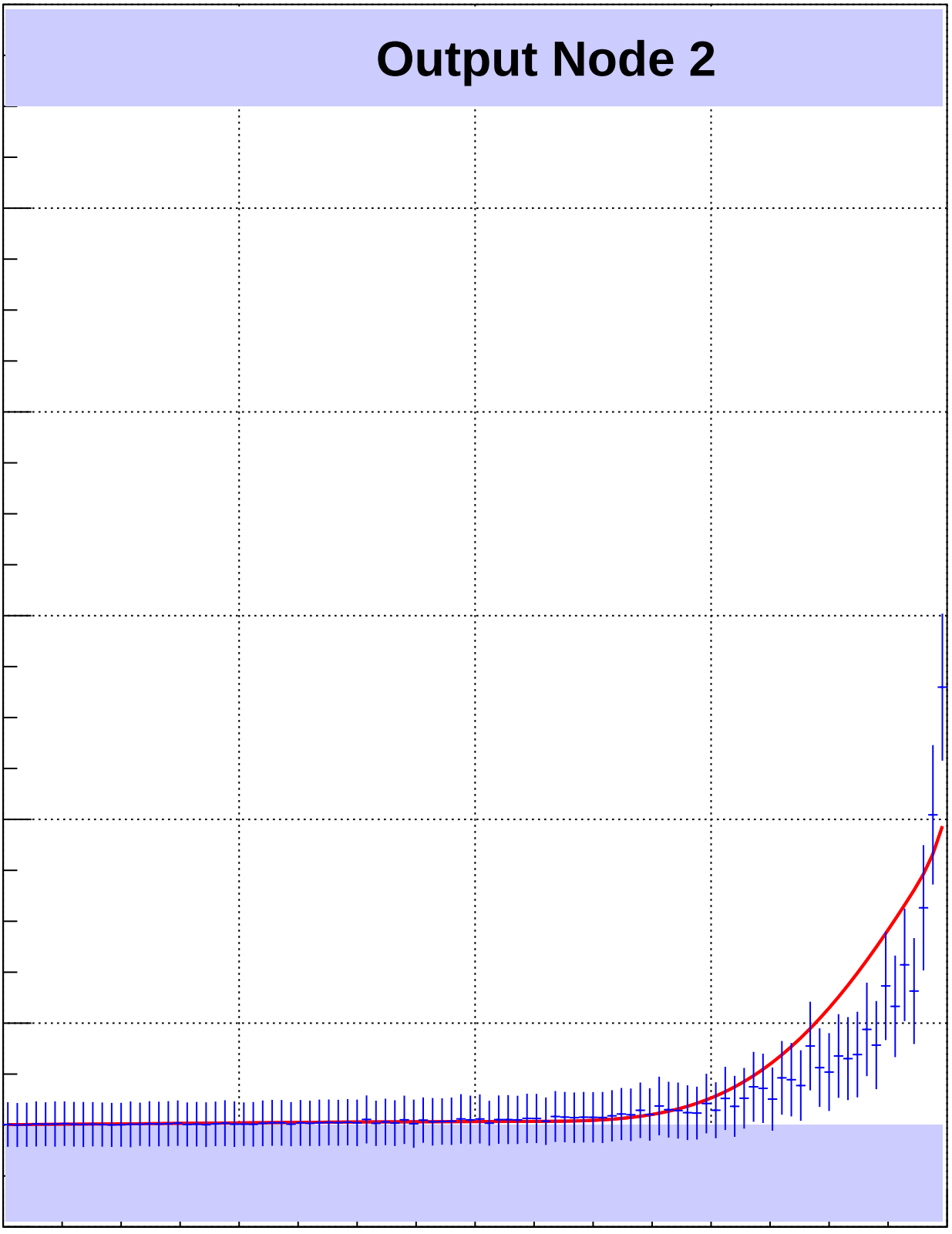



Output Node 1 (n = 4341.3 s = 116.782 b = 4224.52 p_sig = 0.0269)
events
Network output
3000
2500
2000
1500
1000
500
0
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

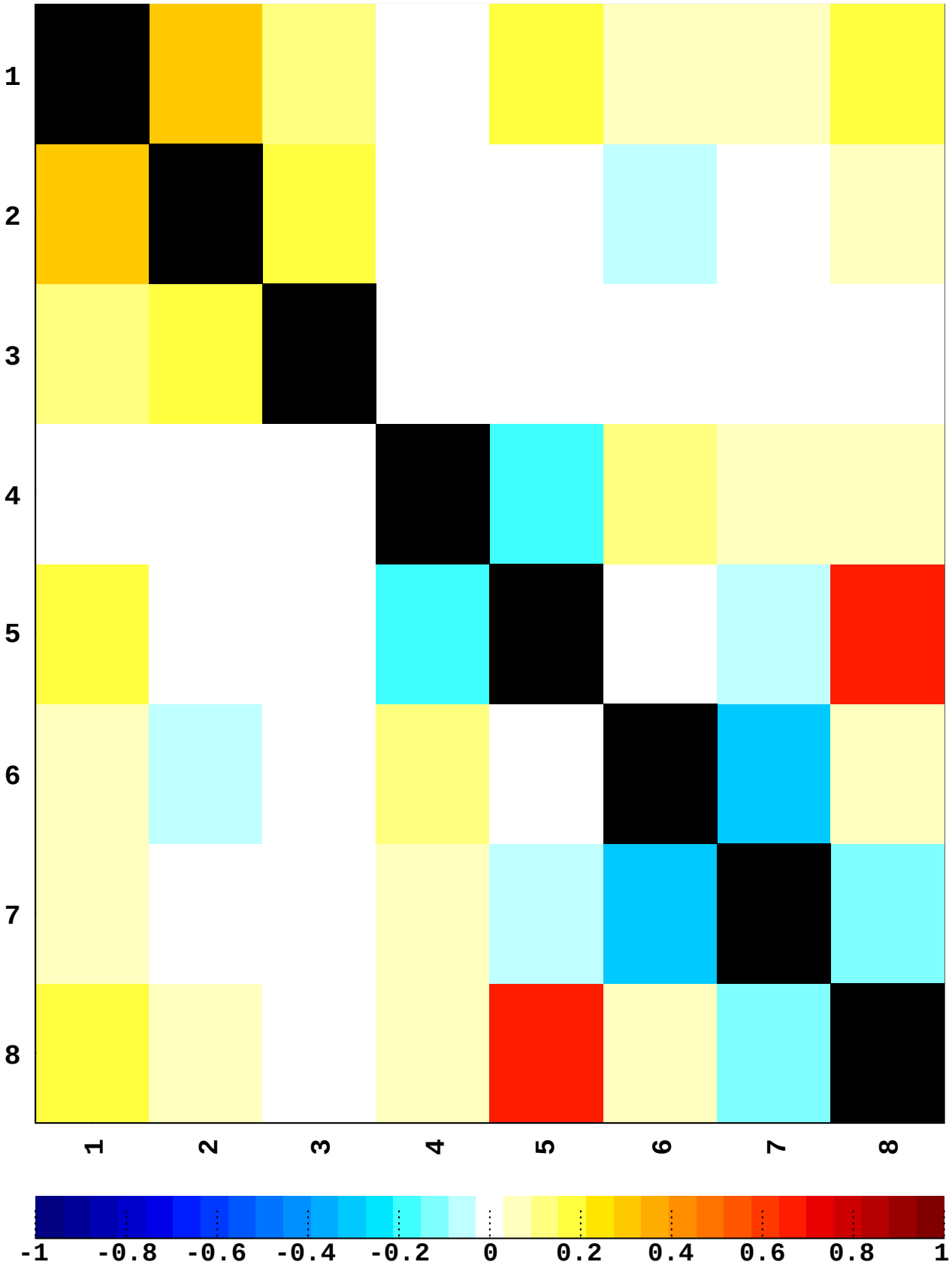

purity
Network output
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1


signal purity
signal efficiency
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

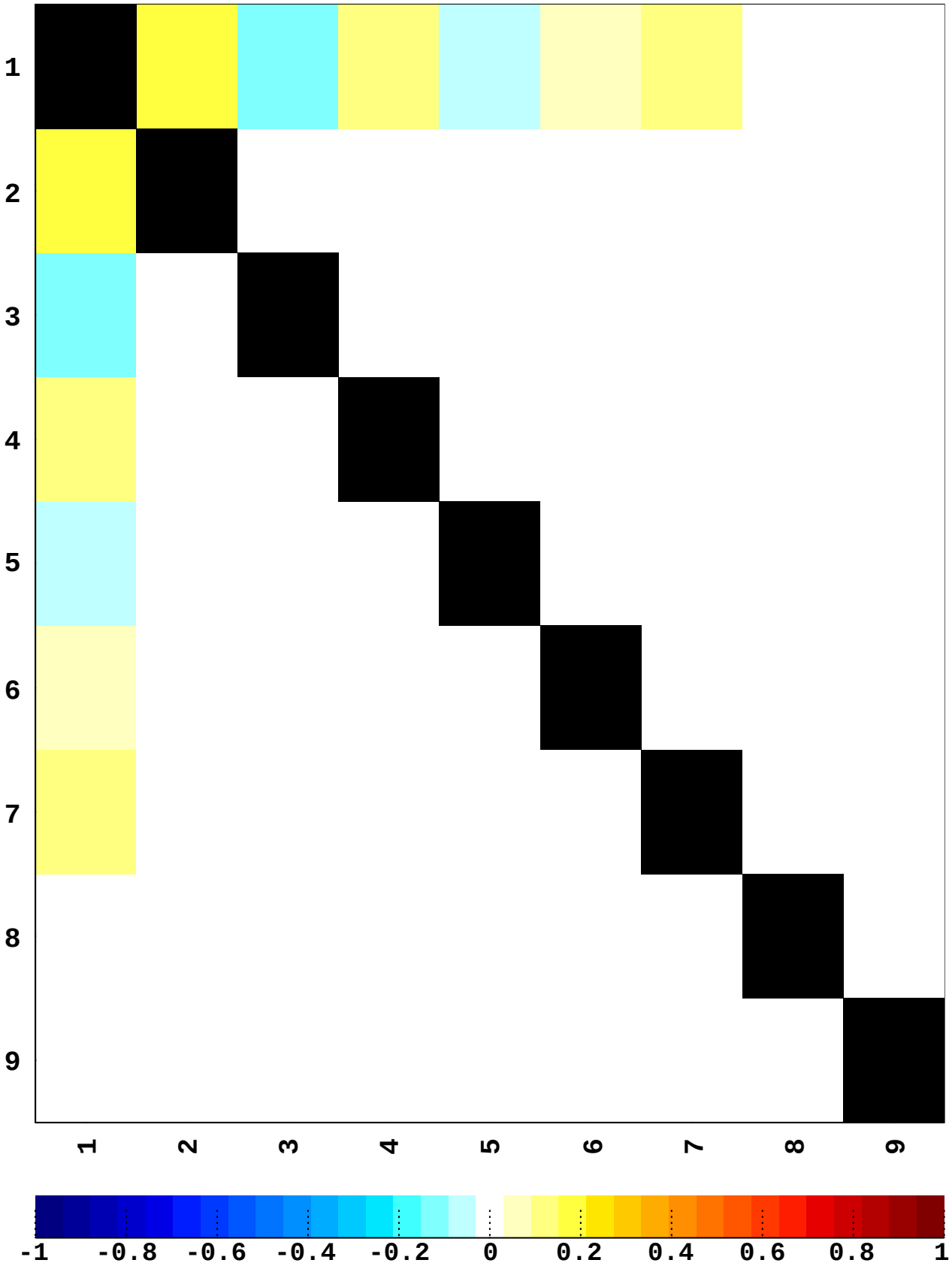

Gini index final/preboost = 84.3%/ 76.1% max possible = 97.3%
signal efficiency
efficiency
first round
final
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1


Output Node 2

correlation matrix of input variables



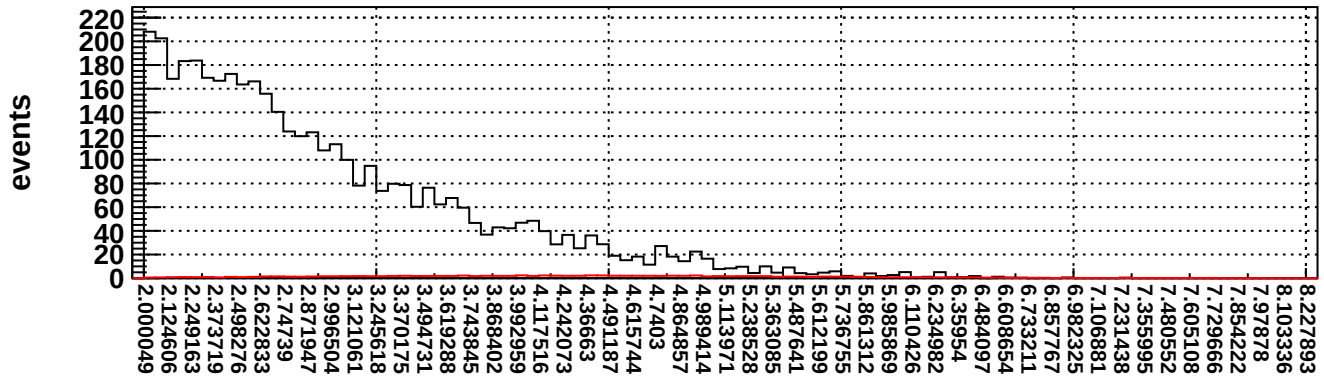
correlation matrix of input variables



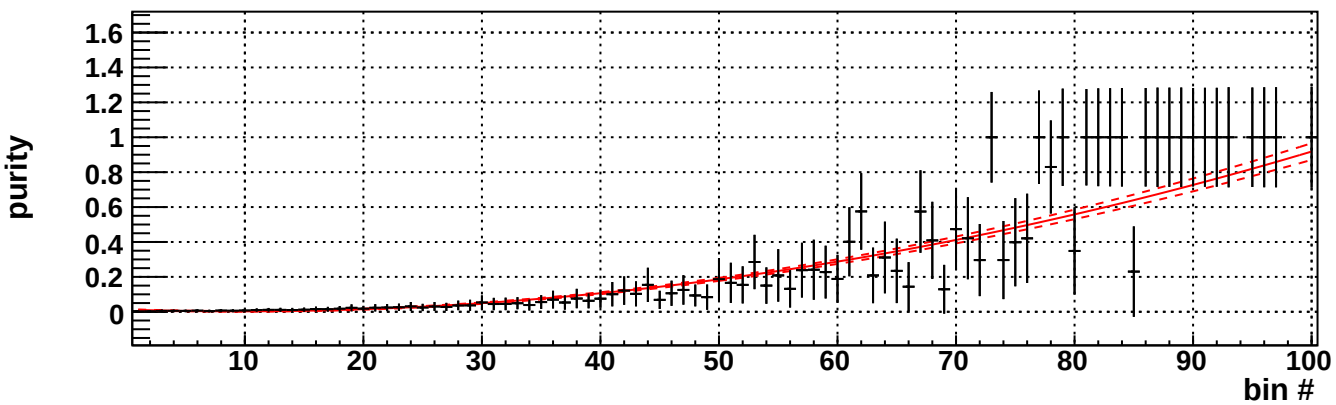
Input node 2 : jdeta

1st most important	PrePro: 24 #2
added signi. 18.92	only this 18.92
signi. loss 17.76	corr. to others 20.40%

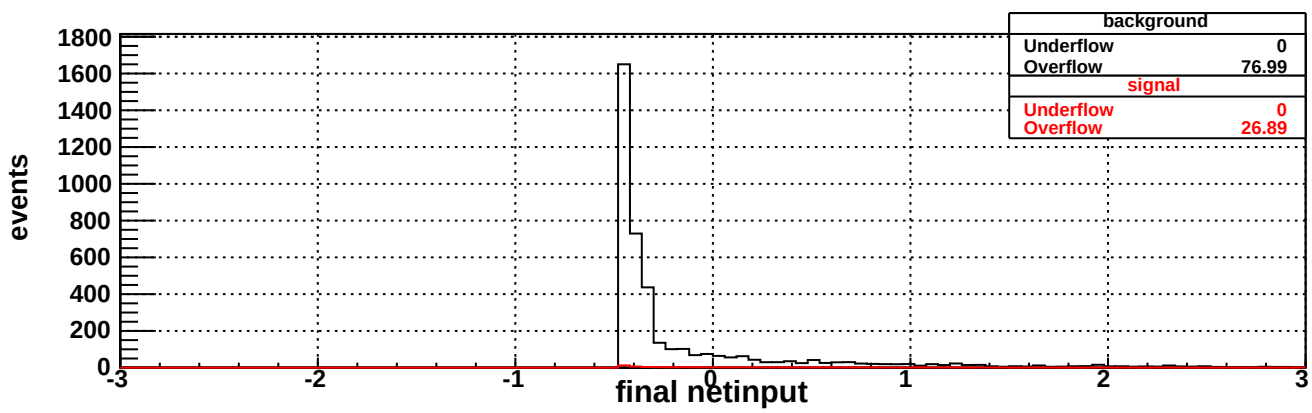
Phi-T
NeuroBayes® Teacher



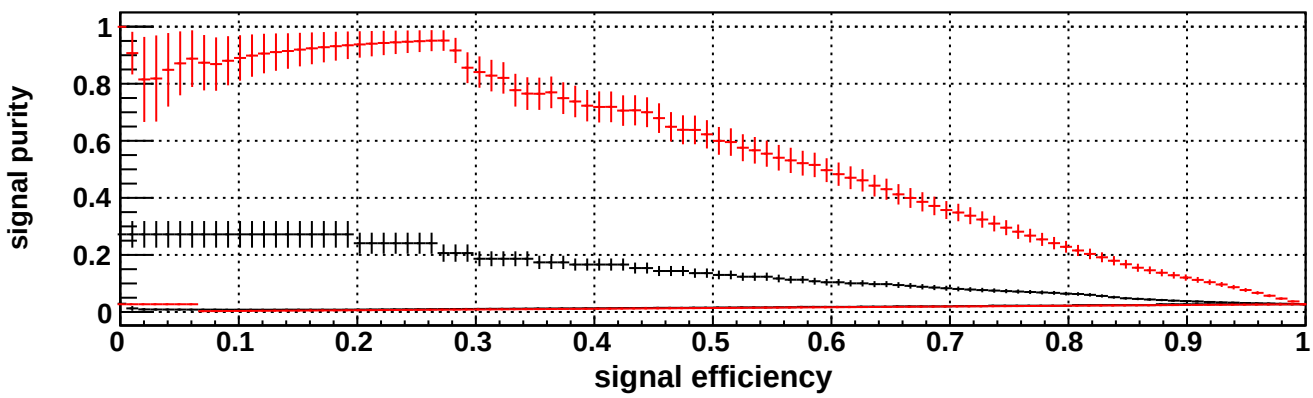
flat



spline fit



final

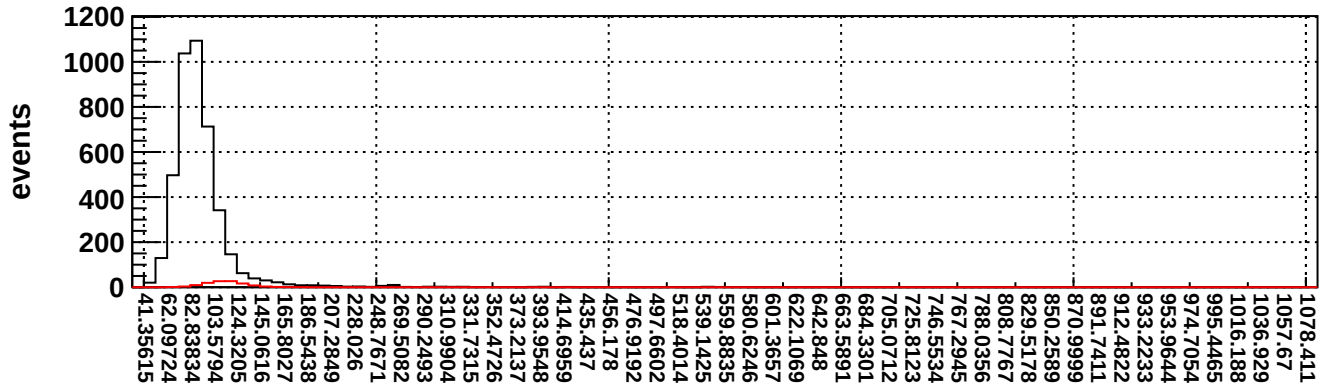


separation

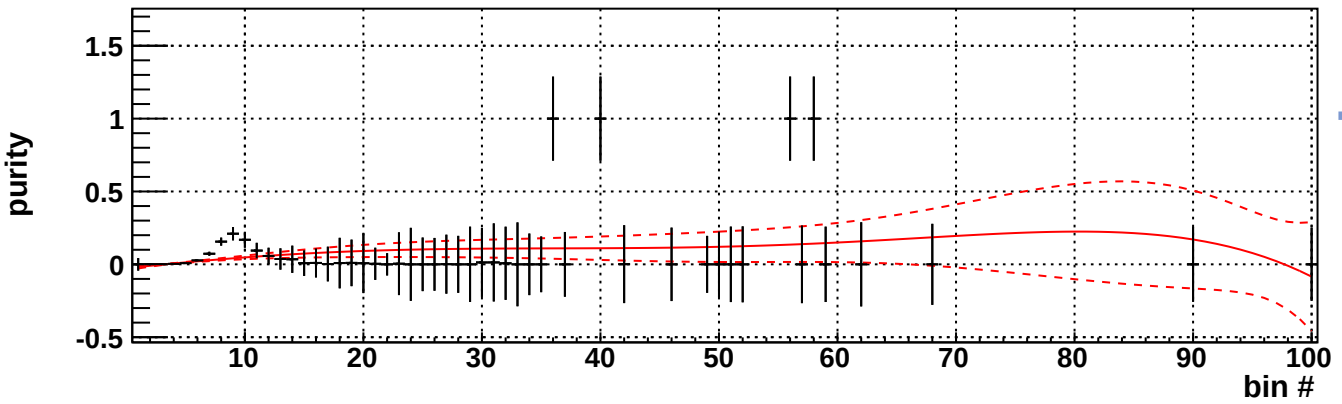
Input node 8 : svfit_mass

2nd most important	PrePro: 24 #8
added signi. 9.66	only this 10.28
signi. loss 4.54	corr. to others 67.40%

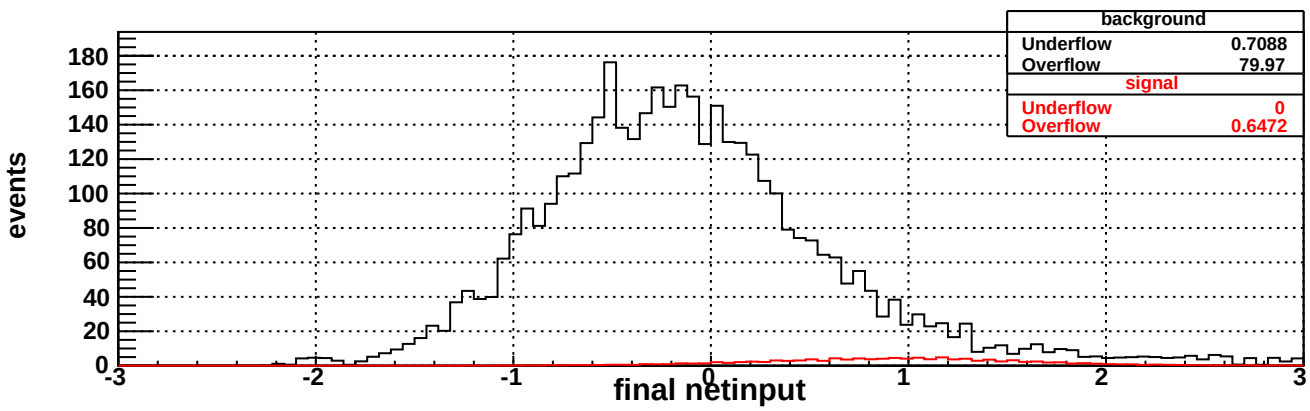
Phi-T
NeuroBayes® Teacher



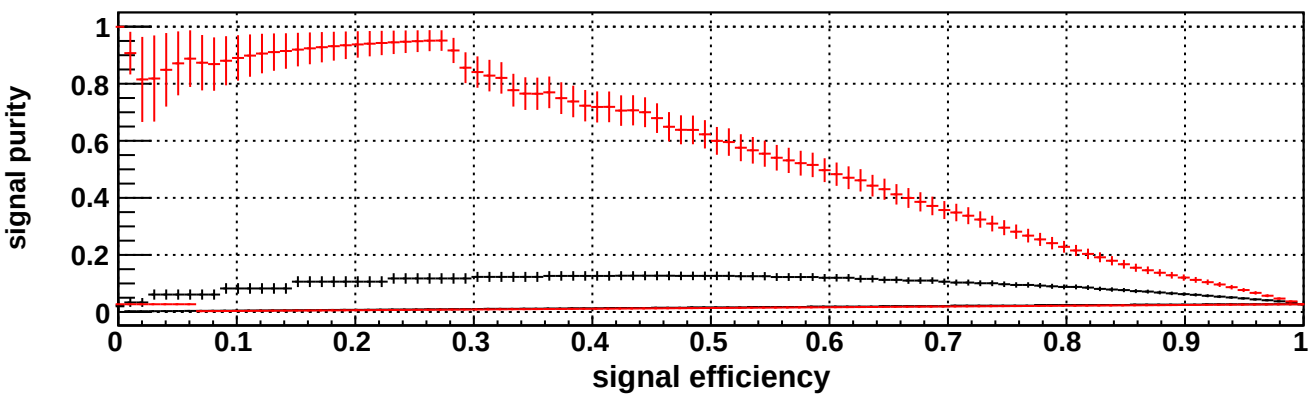
flat



spline fit



final

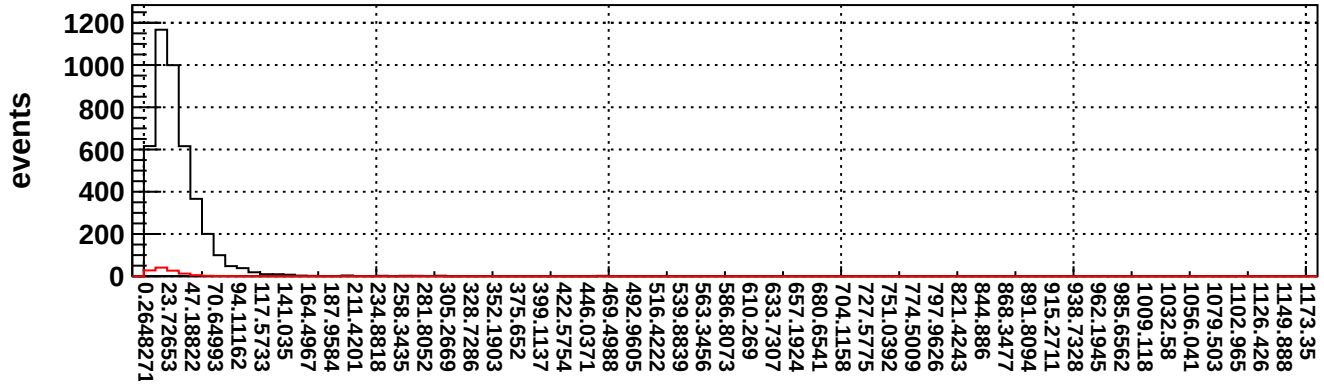


separation

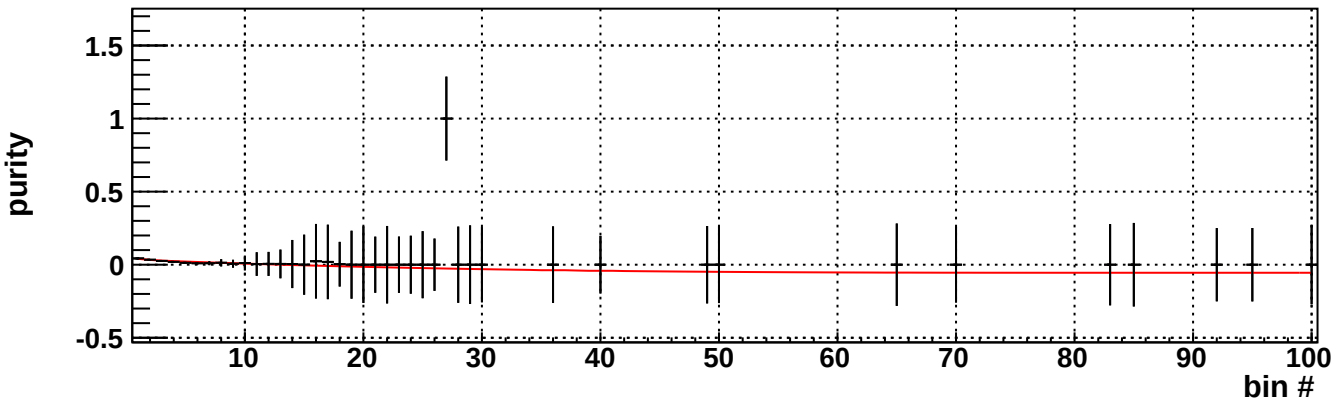
Input node 7 : pt_tot

3rd most important	PrePro: 25 #7
added signi. 5.40	only this 3.84
signi. loss 6.59	corr. to others 35.70%

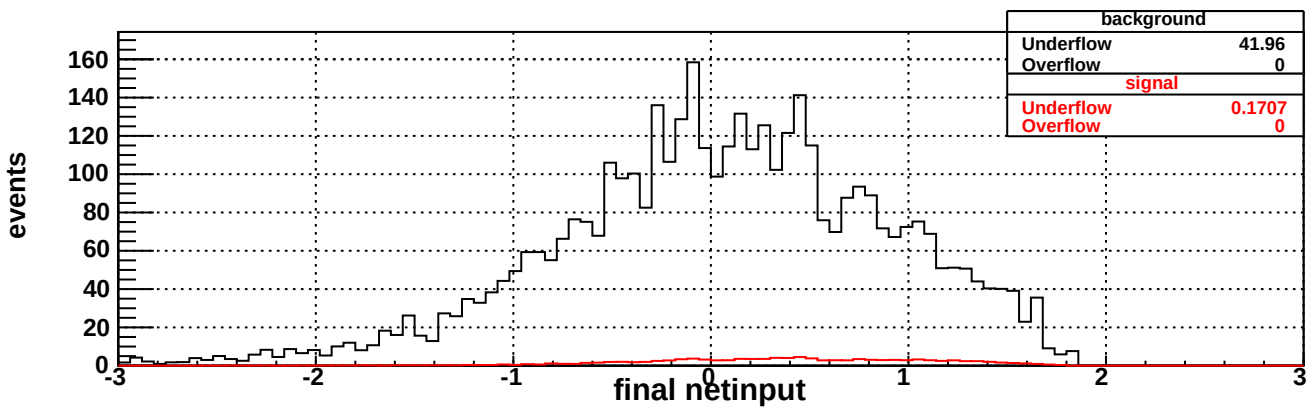
Phi-T
NeuroBayes® Teacher



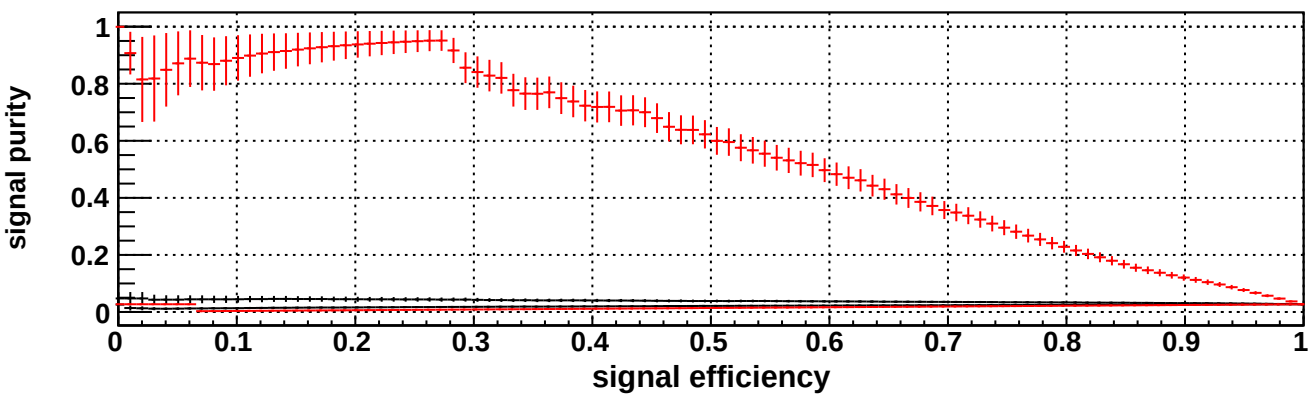
flat



spline fit



final

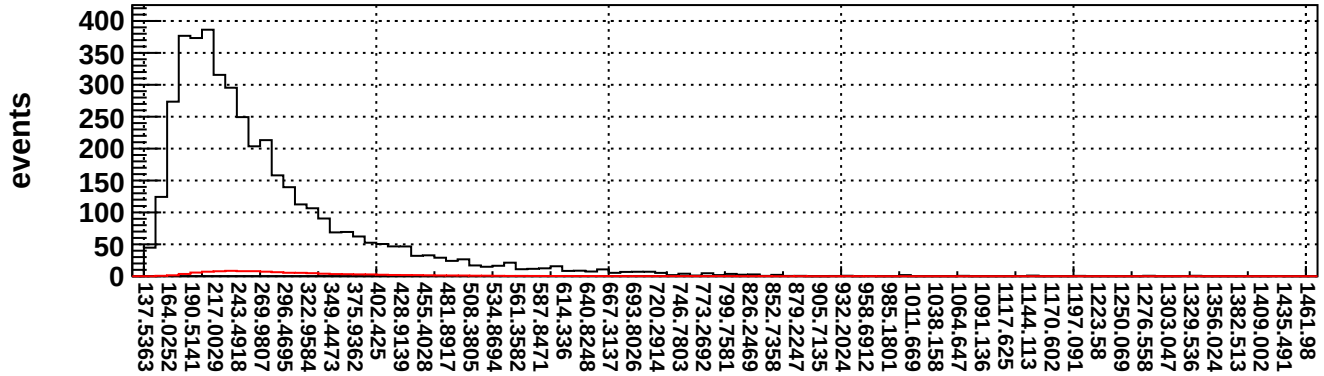


separation

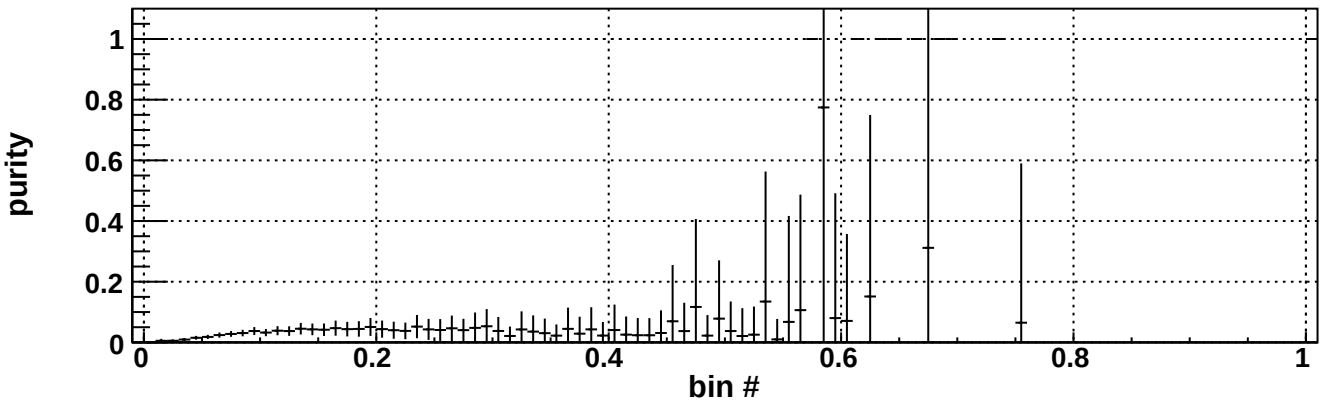
Input node 6 : pt_sum

4th most important	PrePro: 23 #6
added signi. 5.90	only this 3.66
signi. loss 6.08	corr. to others 35.30%

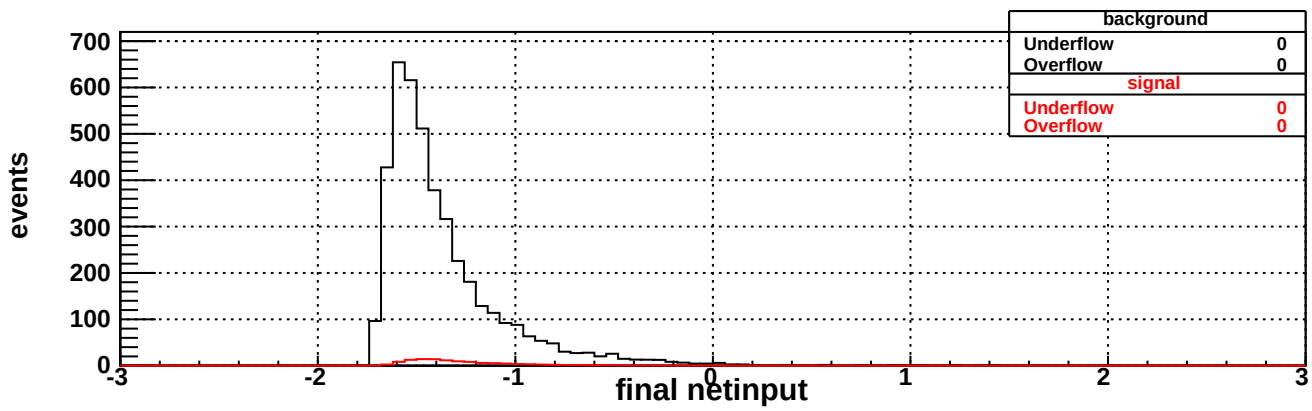
Phi-T
NeuroBayes® Teacher



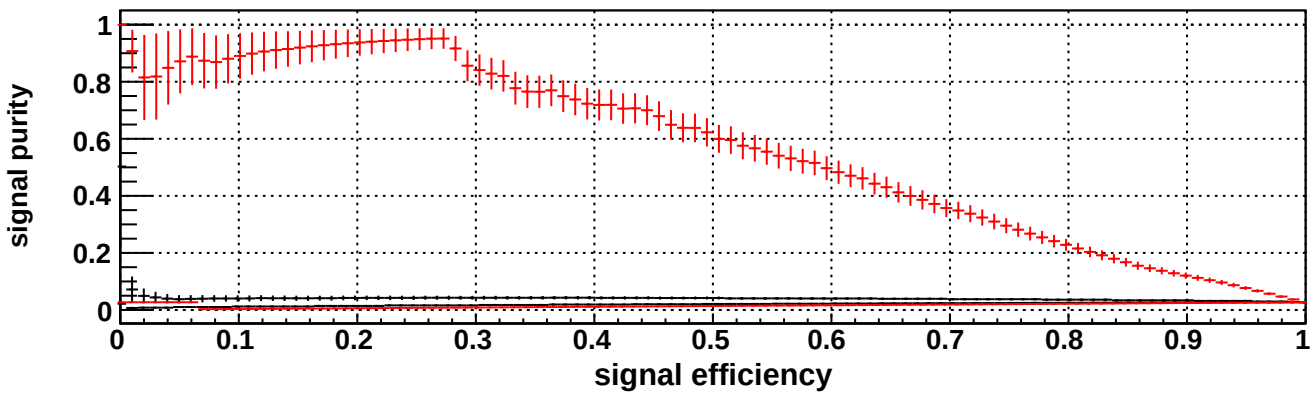
flat



purity



final

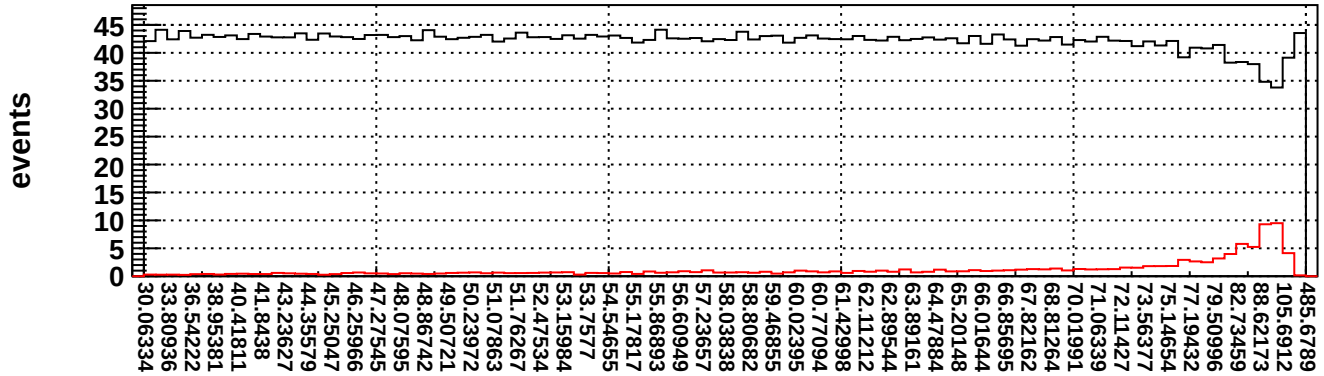


separation

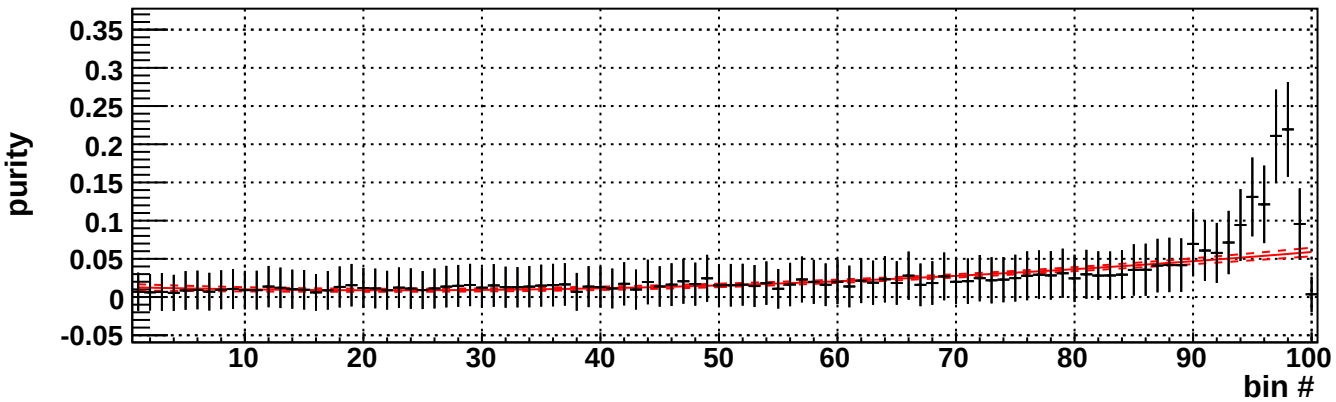
Input node 5 : mvis

5th most important	PrePro: 14 #5
added signi. 4.67	only this 10.08
signi. loss 4.59	corr. to others 67.90%

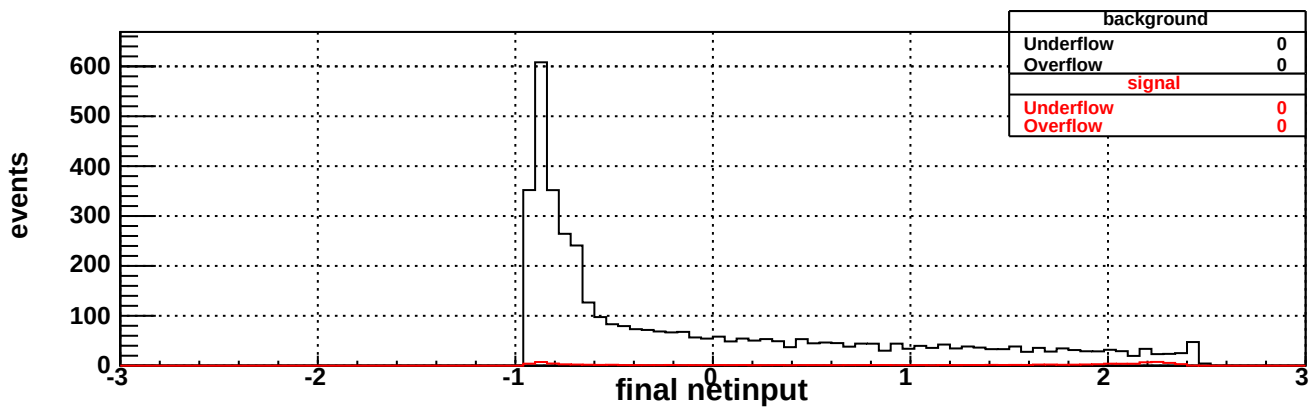
Phi-T
NeuroBayes® Teacher



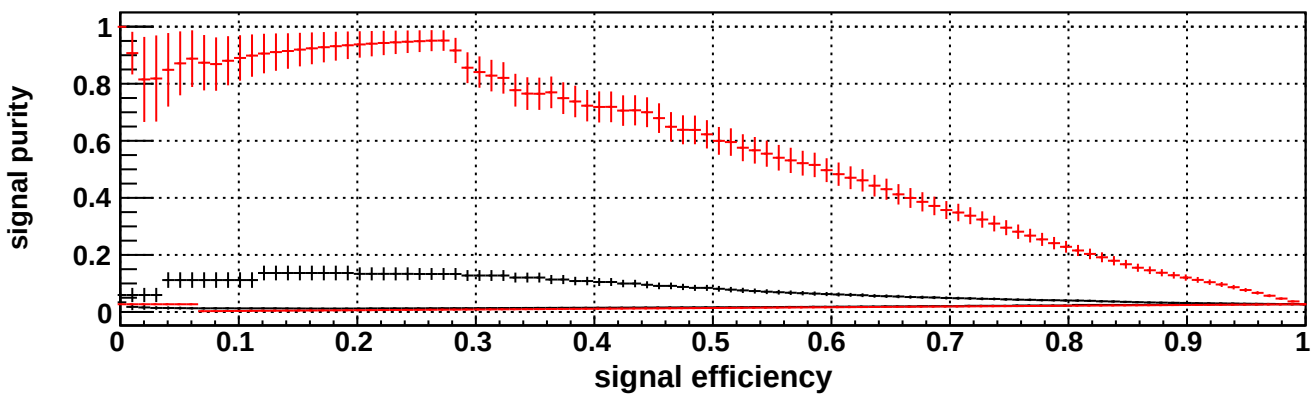
flat



spline fit



final

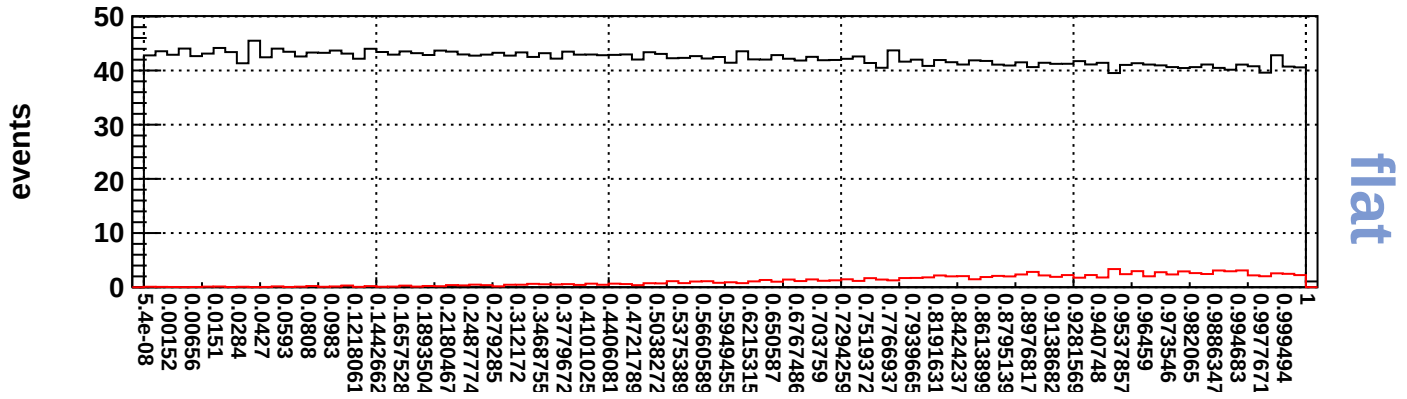


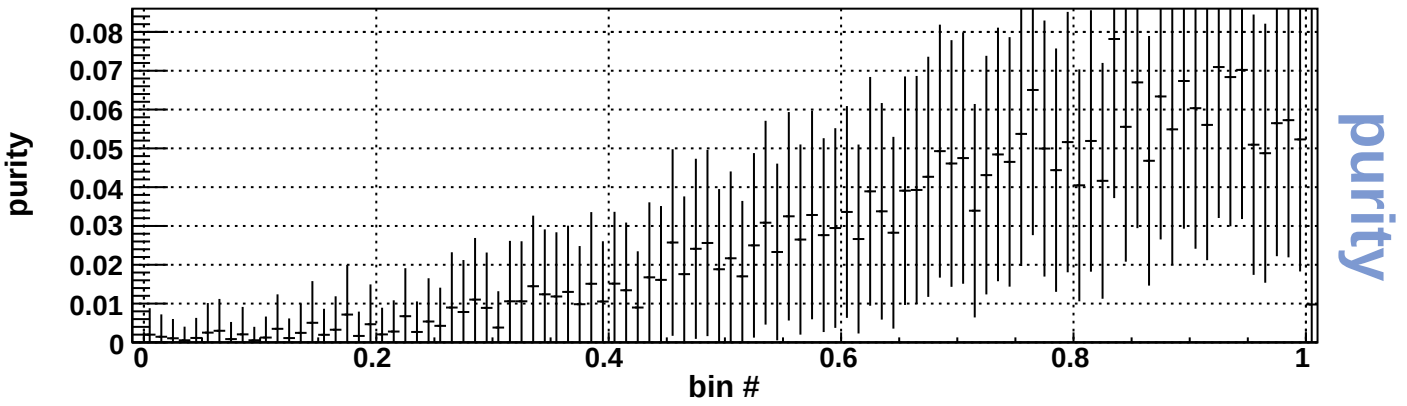
separation

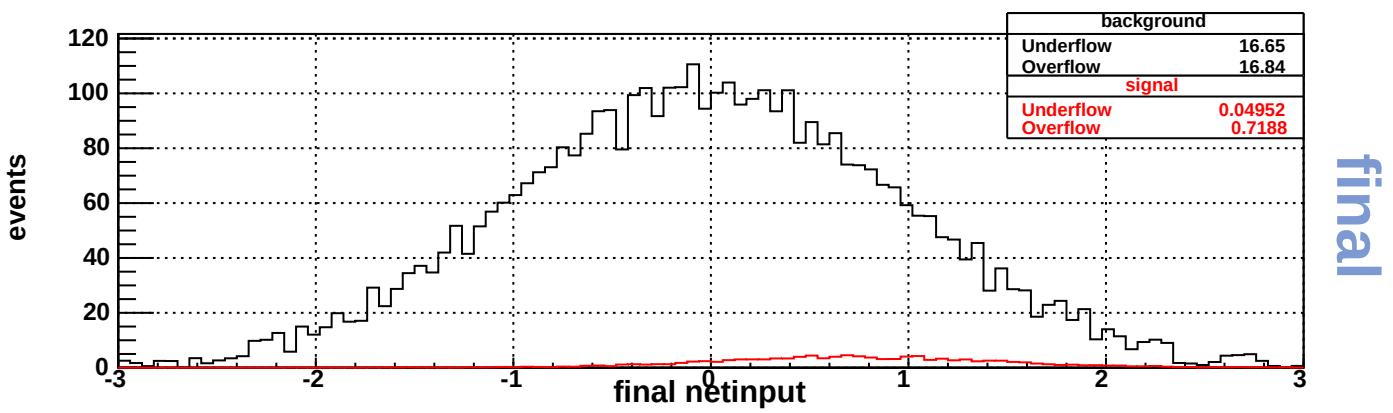
Input node 3 : lep_etacentrality

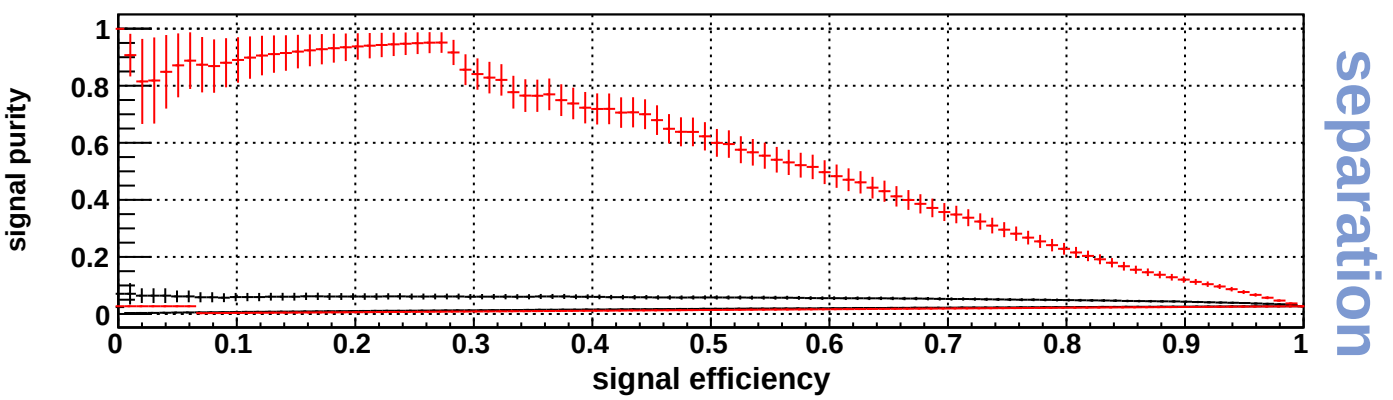
6th most important	PrePro: 12 #3
added signi. 4.09	only this 8.00
signi. loss 4.08	corr. to others 19.40%

Phi-T
NeuroBayes® Teacher





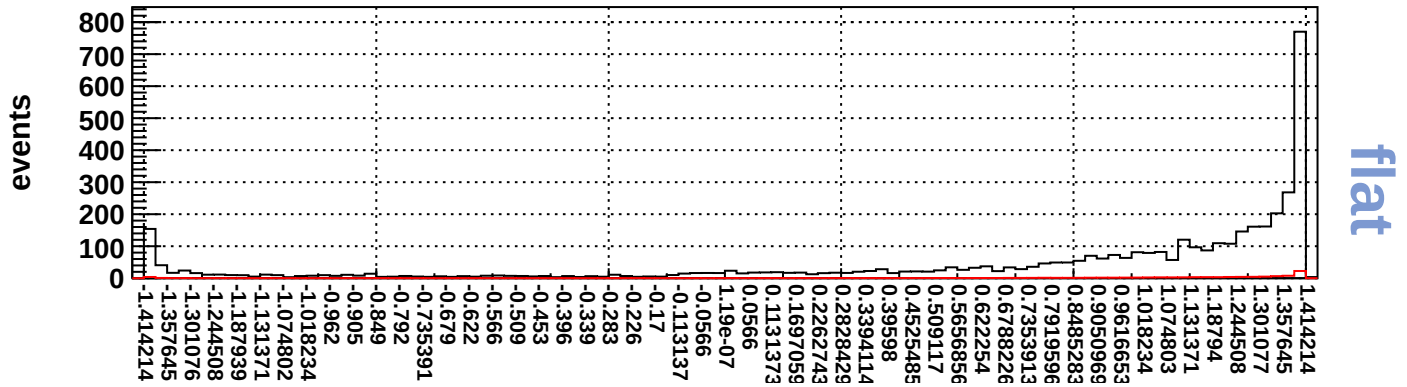


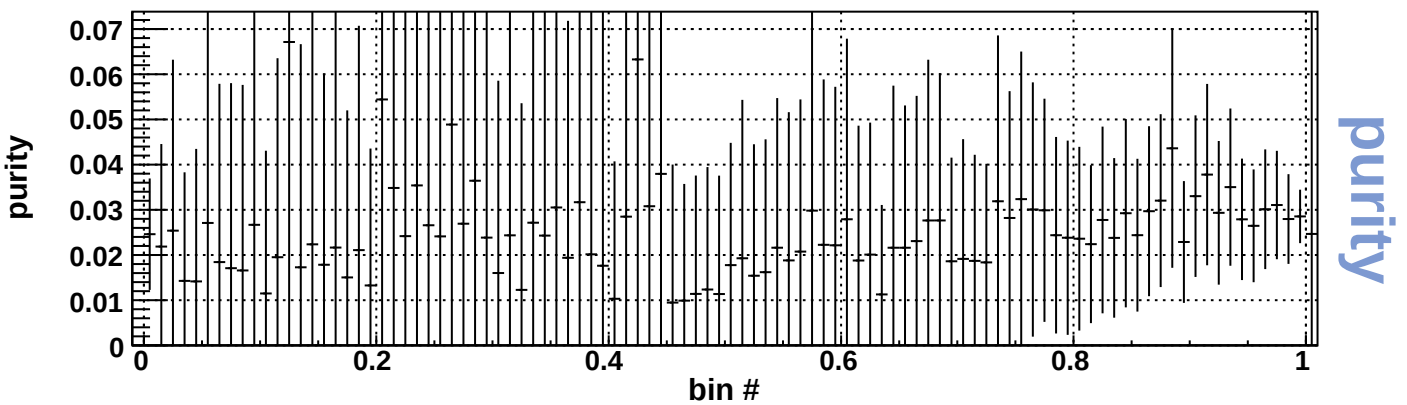


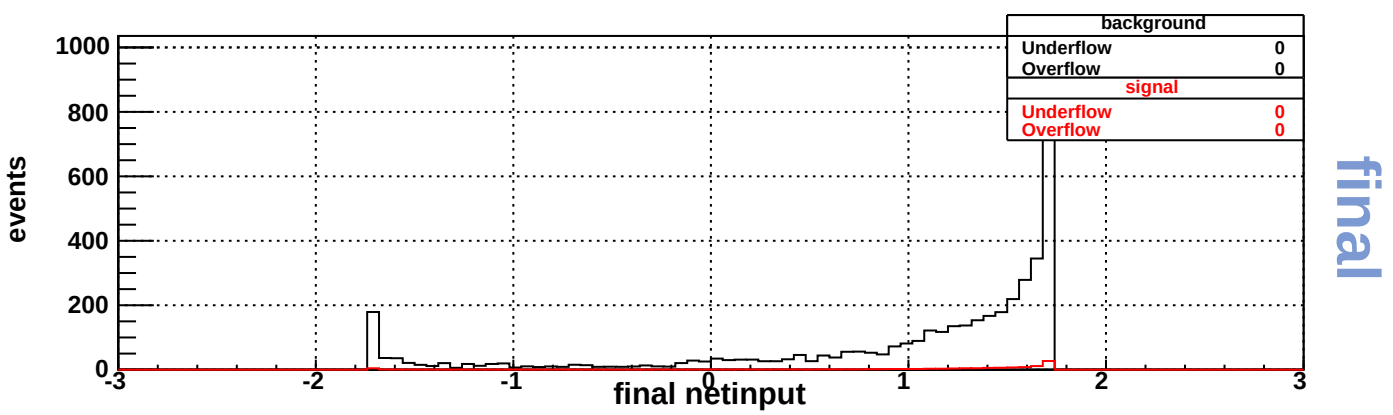
Input node 4 : met_centrality

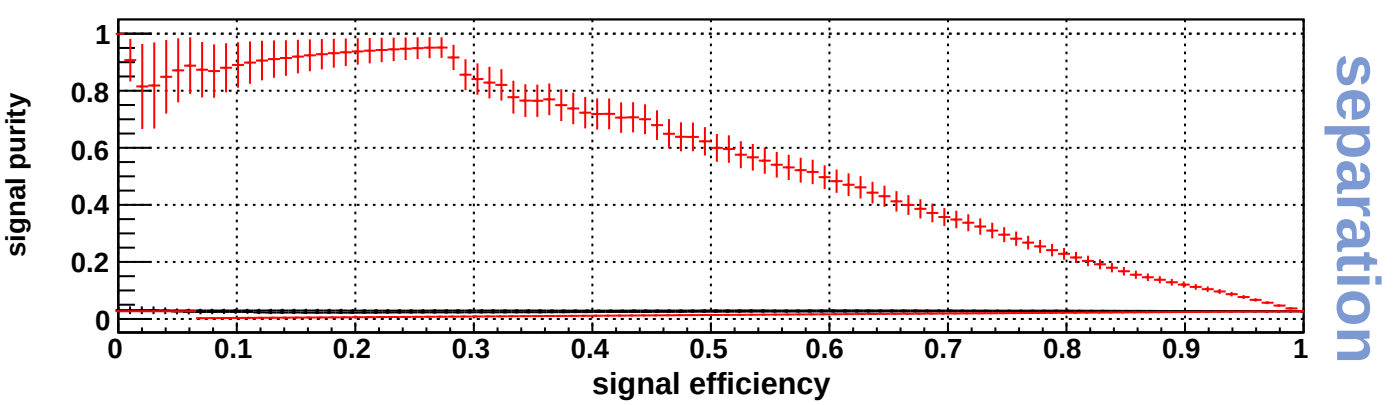
7th most important	PrePro: 23 #4
added signi. 0.63	only this 1.12
signi. loss 0.63	corr. to others 31.70%

Phi-T
NeuroBayes® Teacher









Network at iteration 220