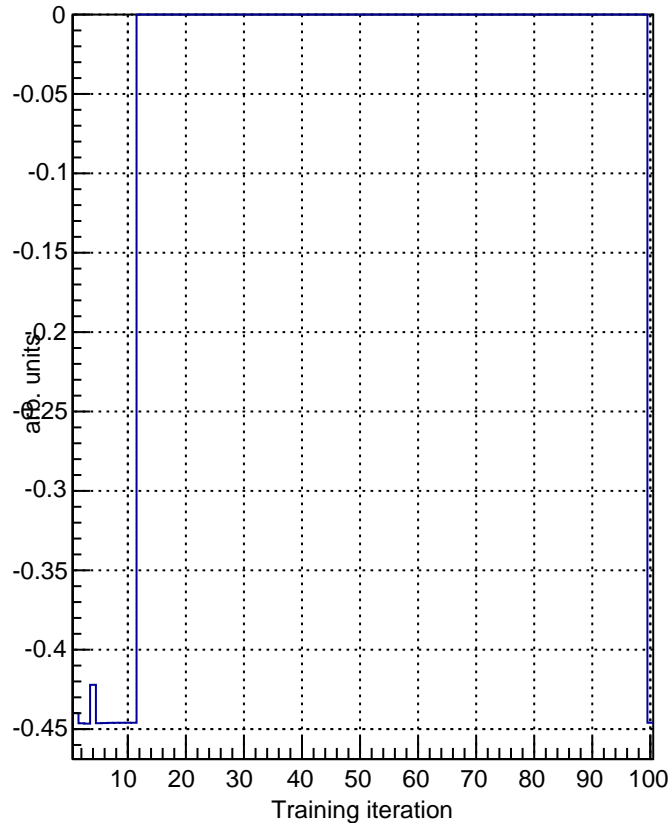
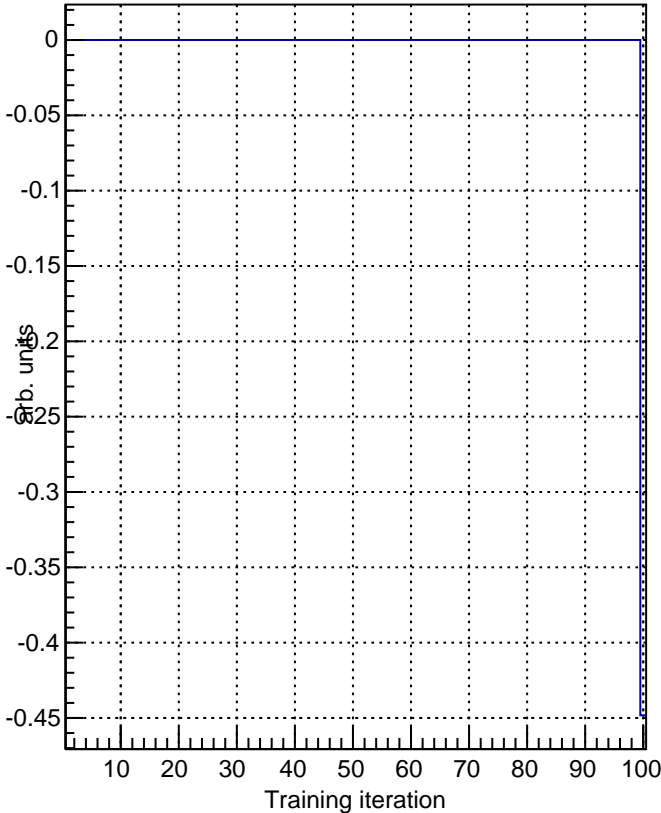


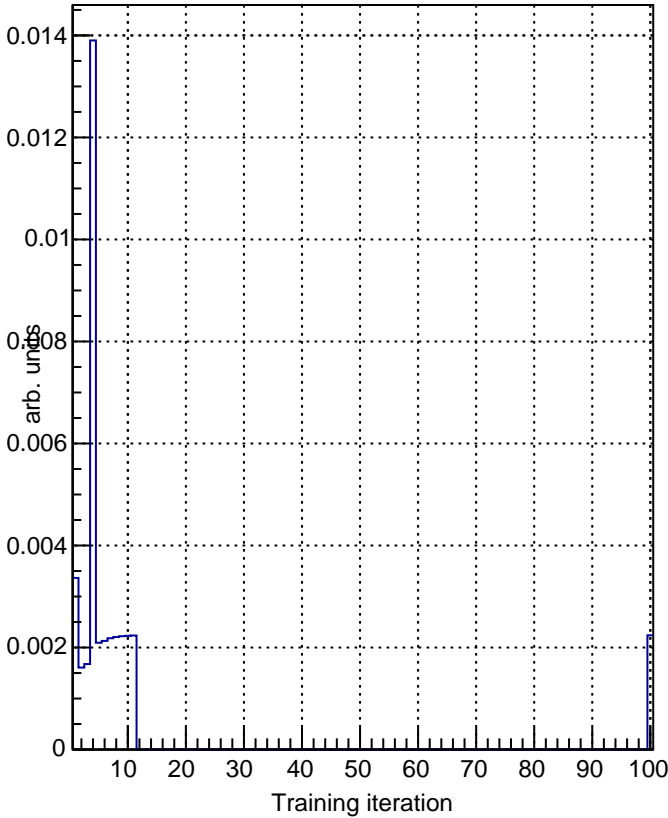
Error



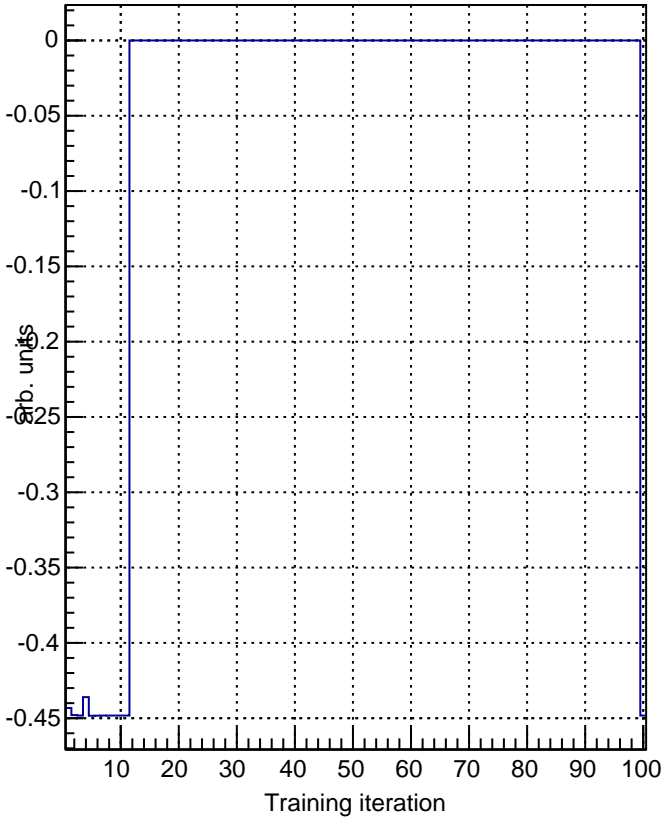
Error Testsample



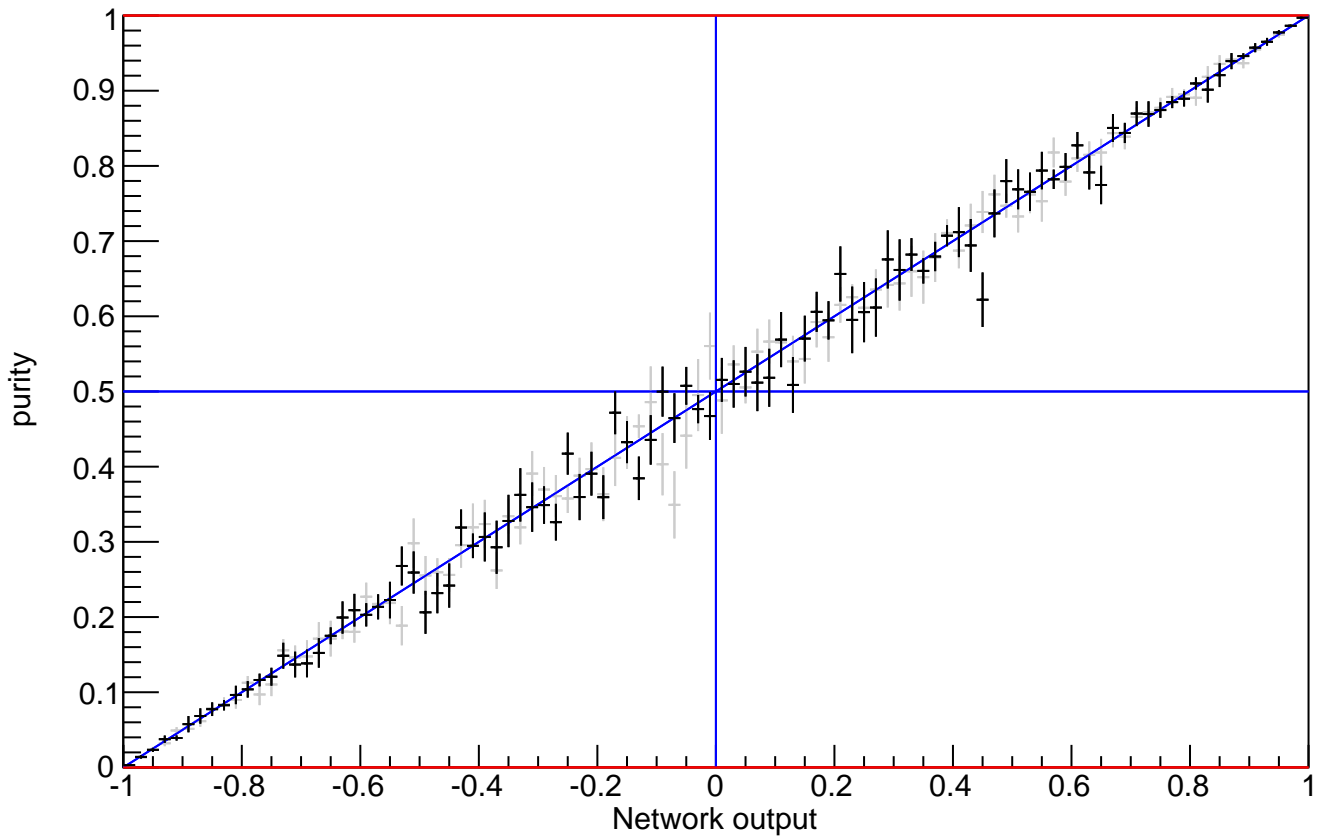
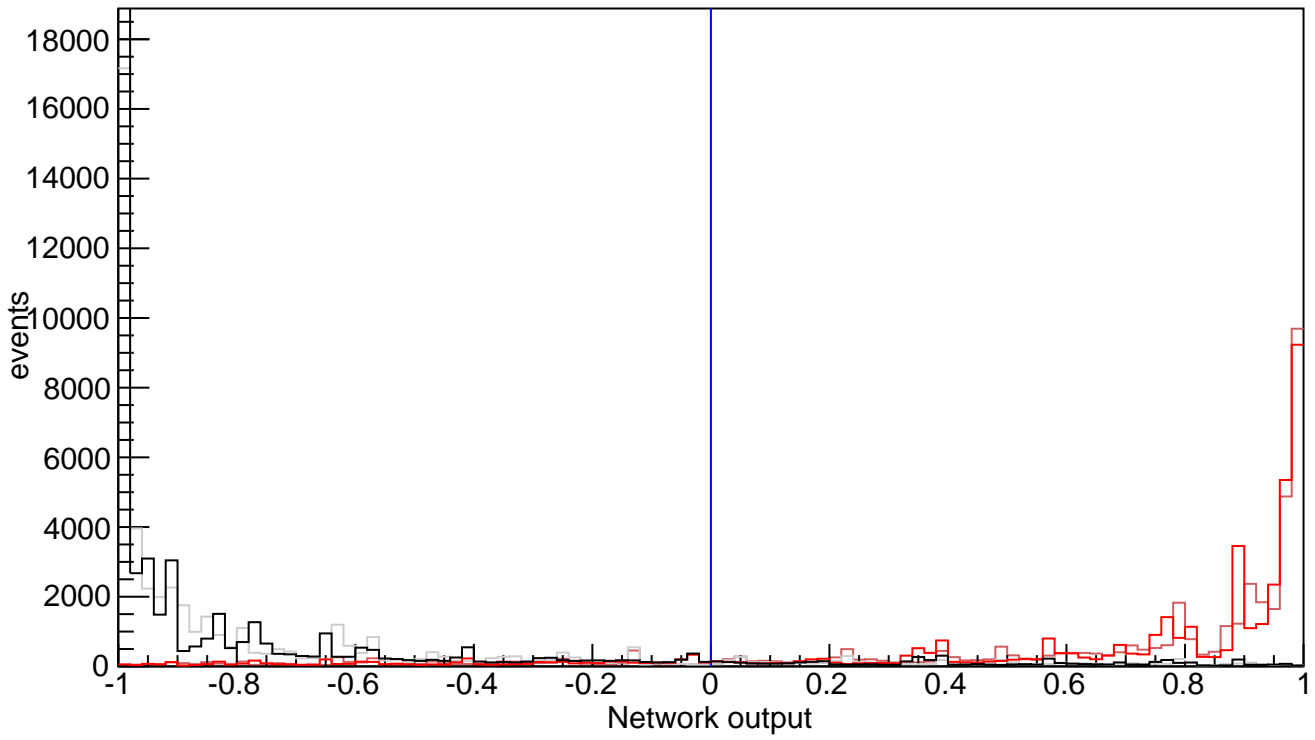
regularisation param. * weights

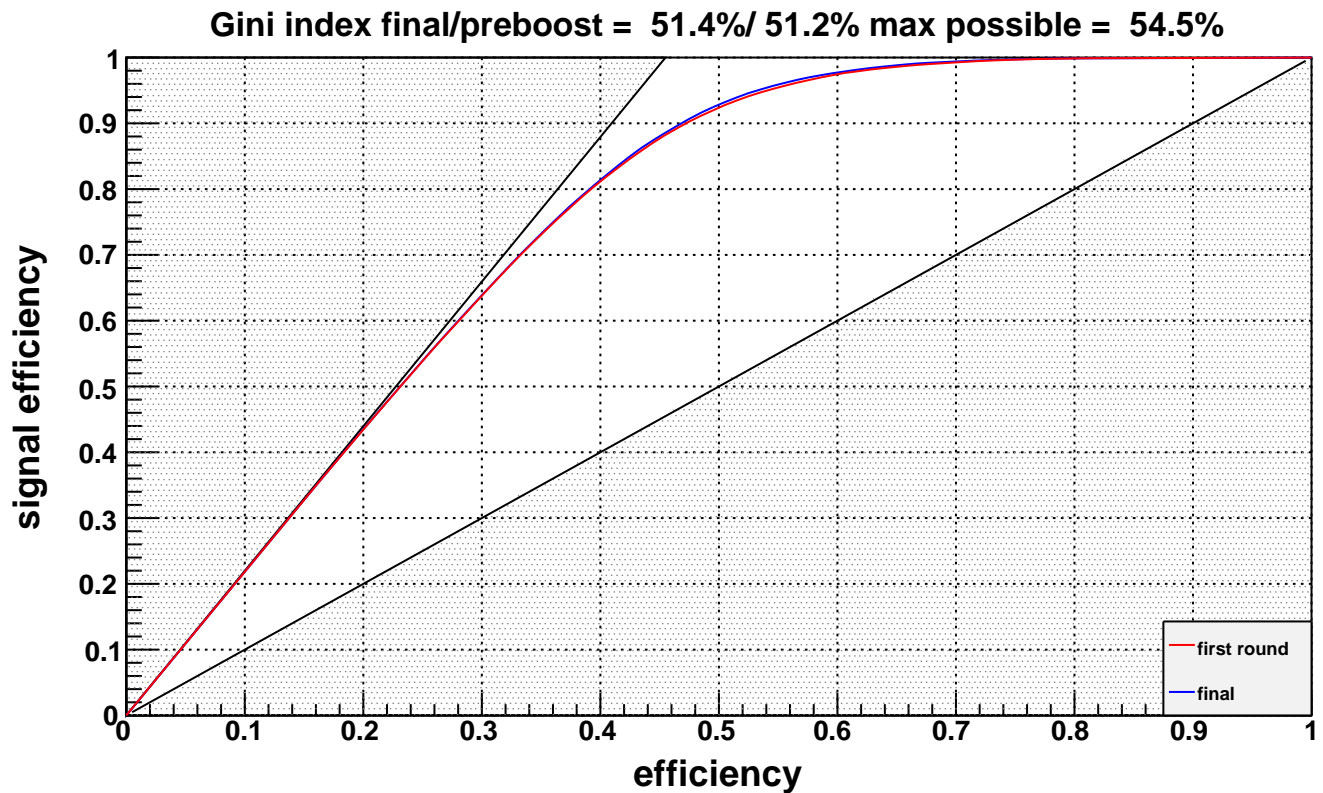
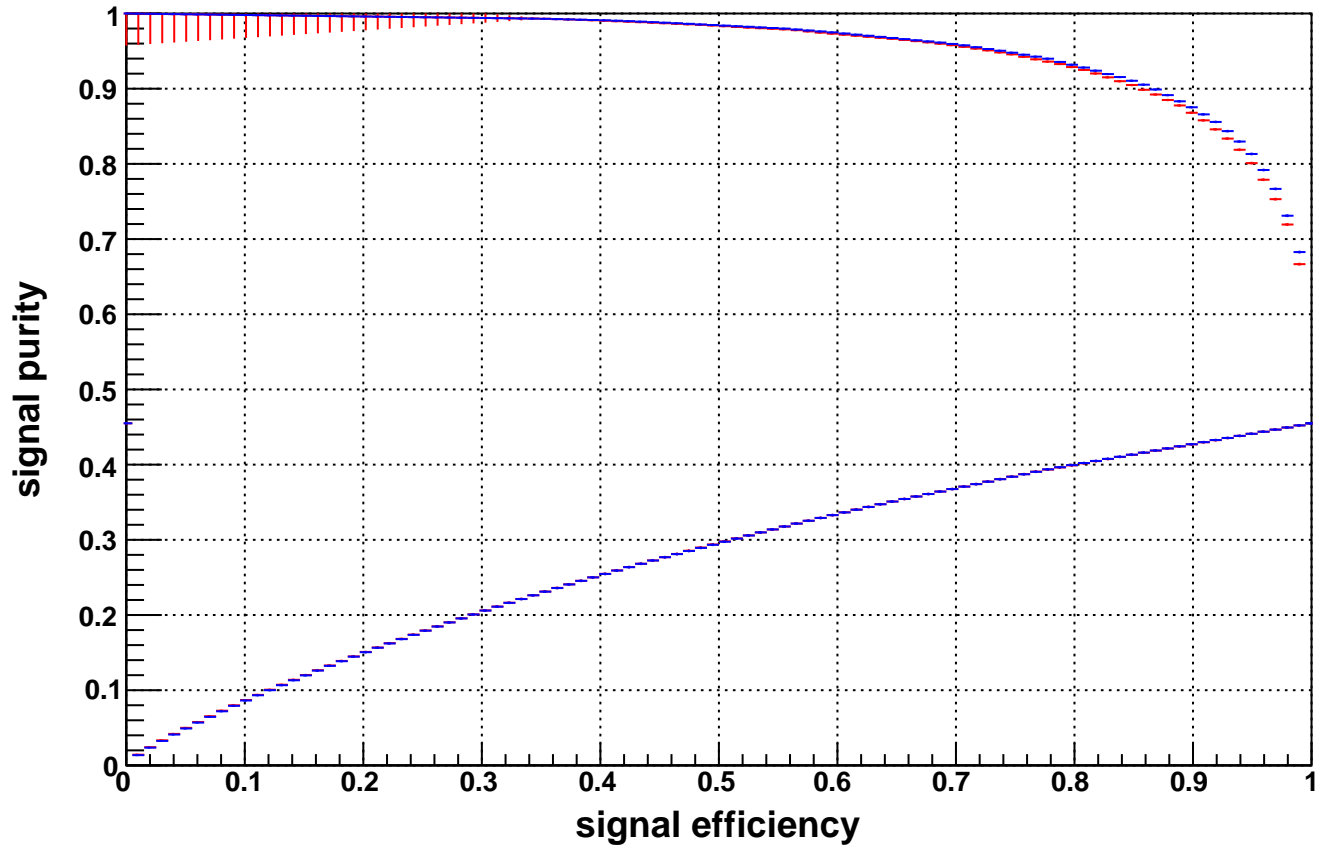


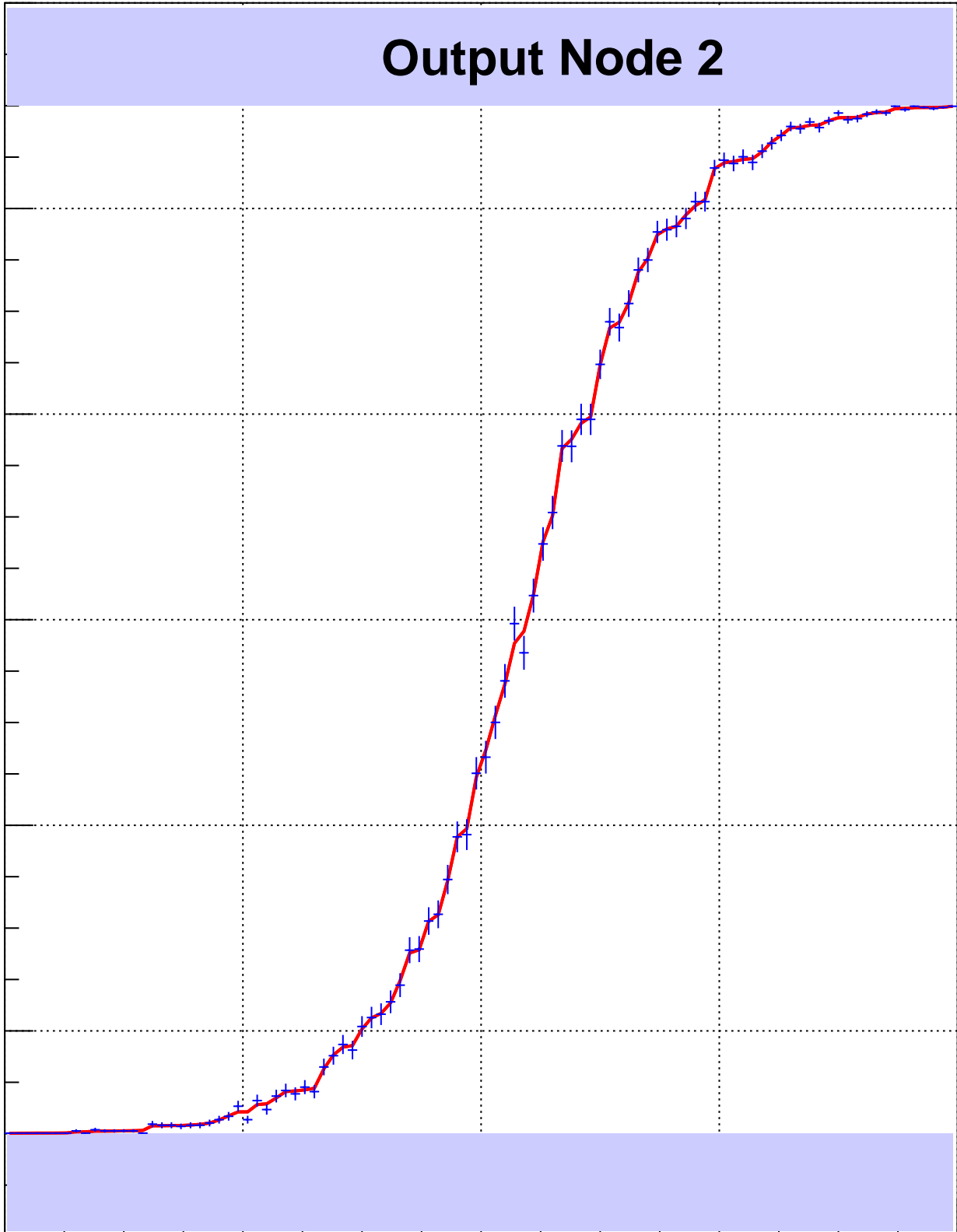
Err-Weight Learnsample

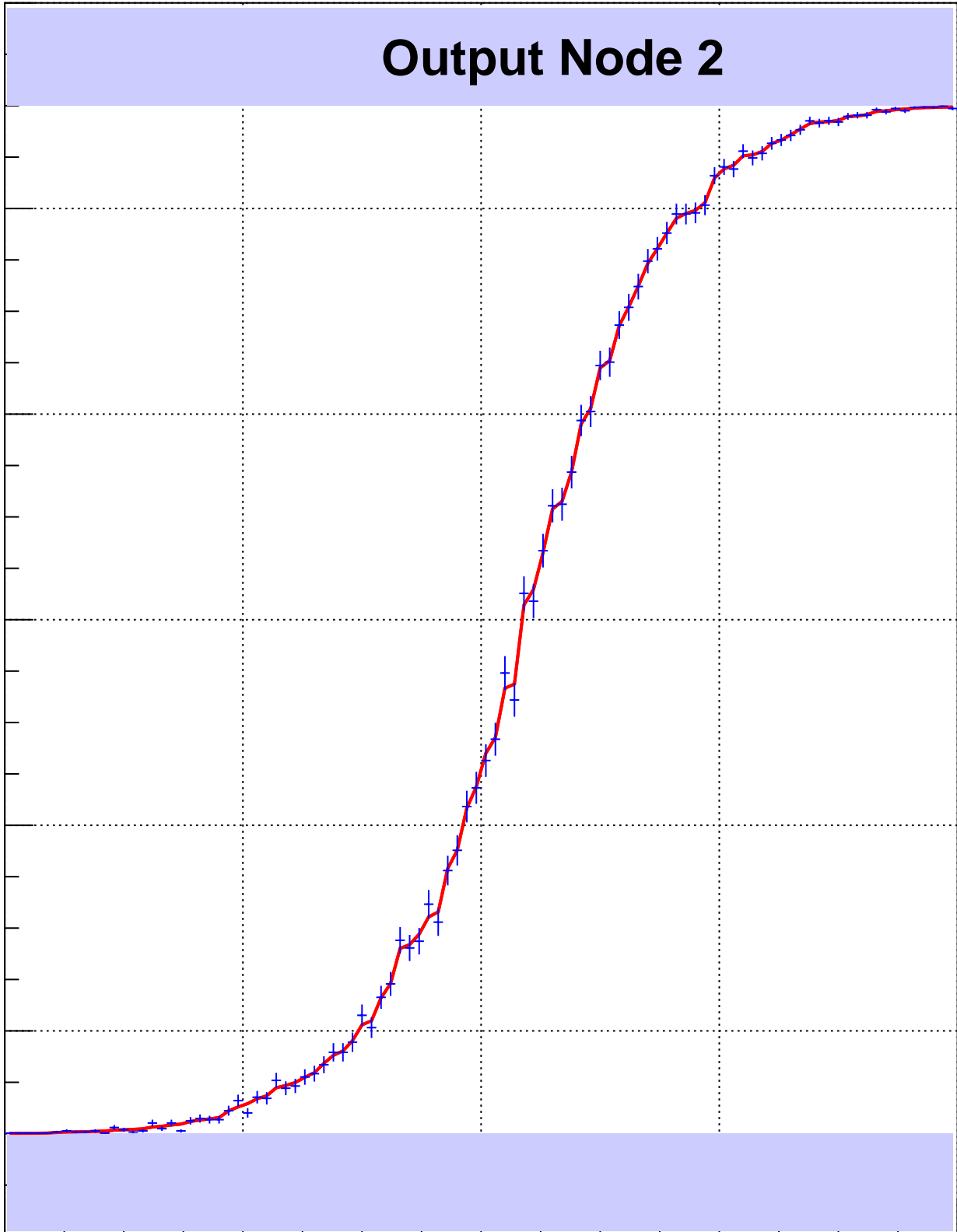


Output Node 1 (n = 91512 s = 41635 b = 49877 $p_{\text{sig}} = 0.4550$)

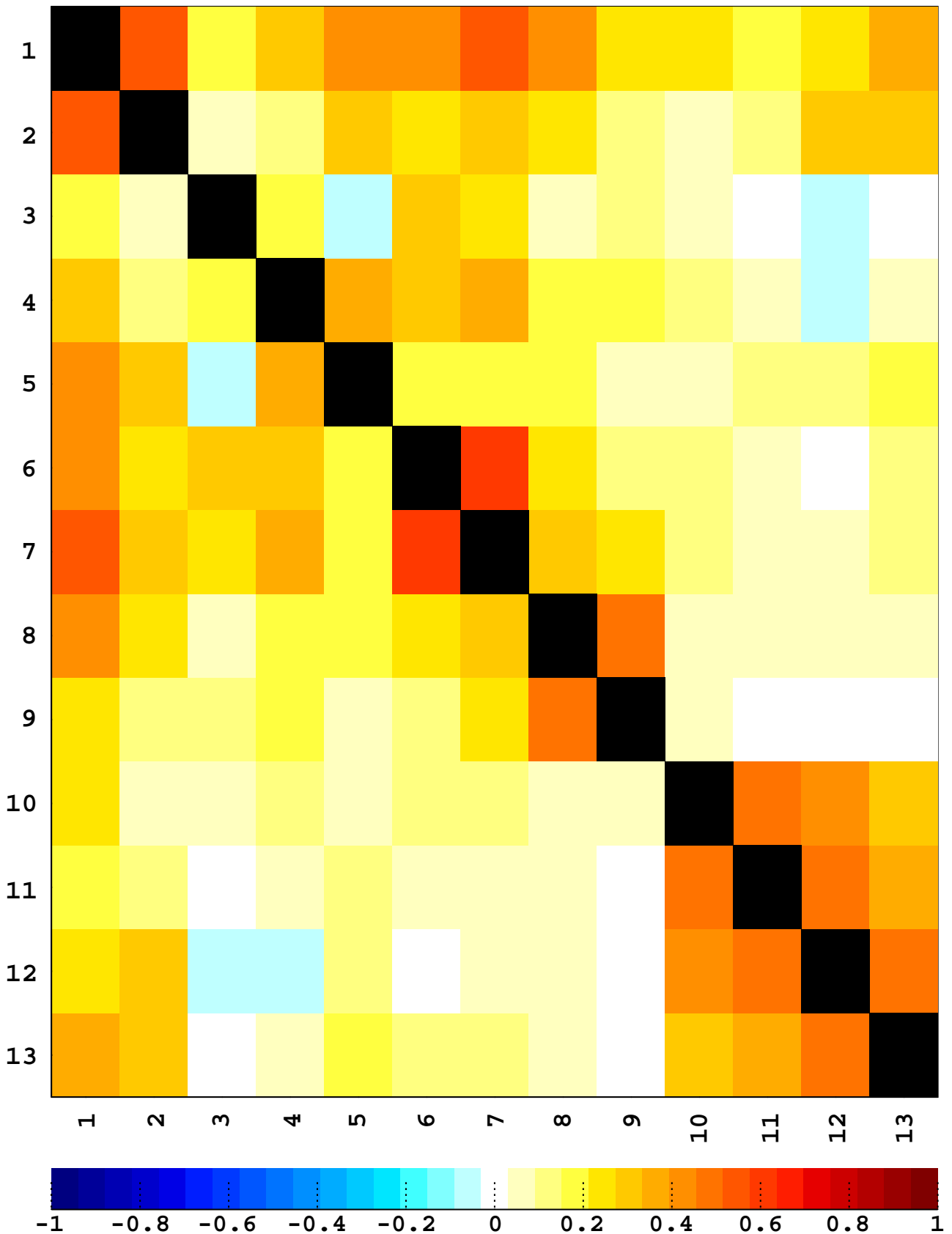




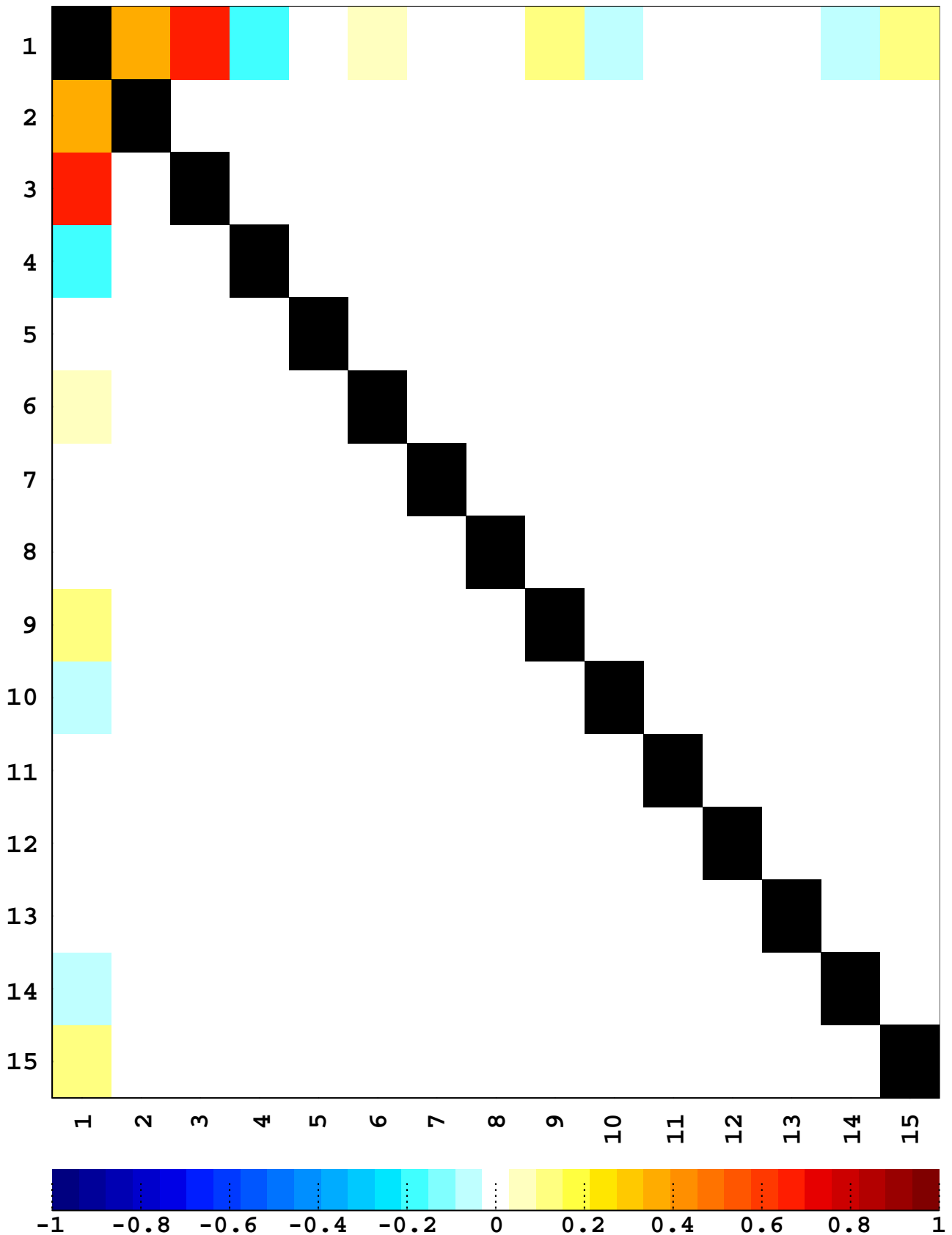
Output Node 2

Output Node 2

correlation matrix of input variables



correlation matrix of input variables



Input node 2 : 14

1st most important

added signi. 173.74

signi. loss 85.82

PrePro: #2

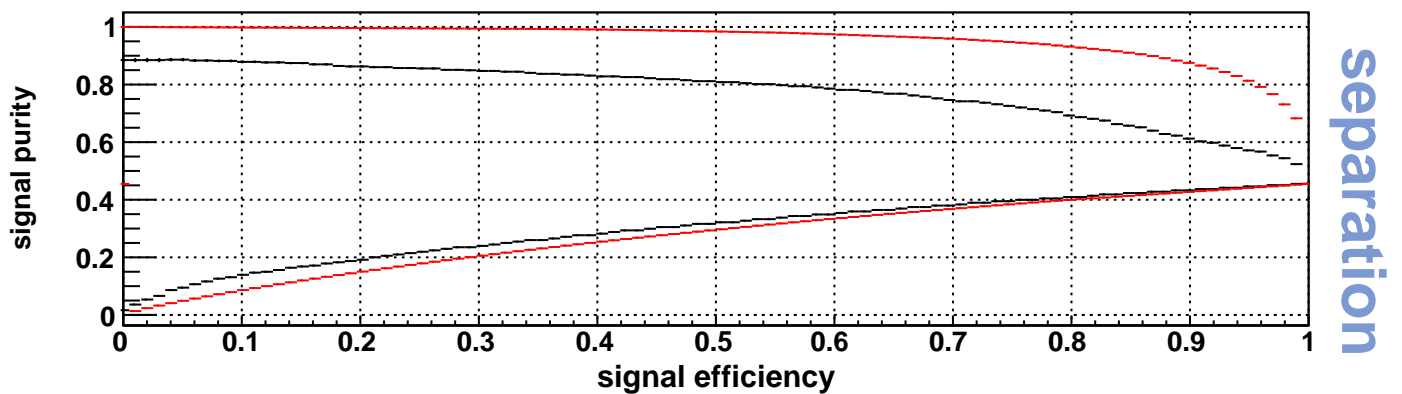
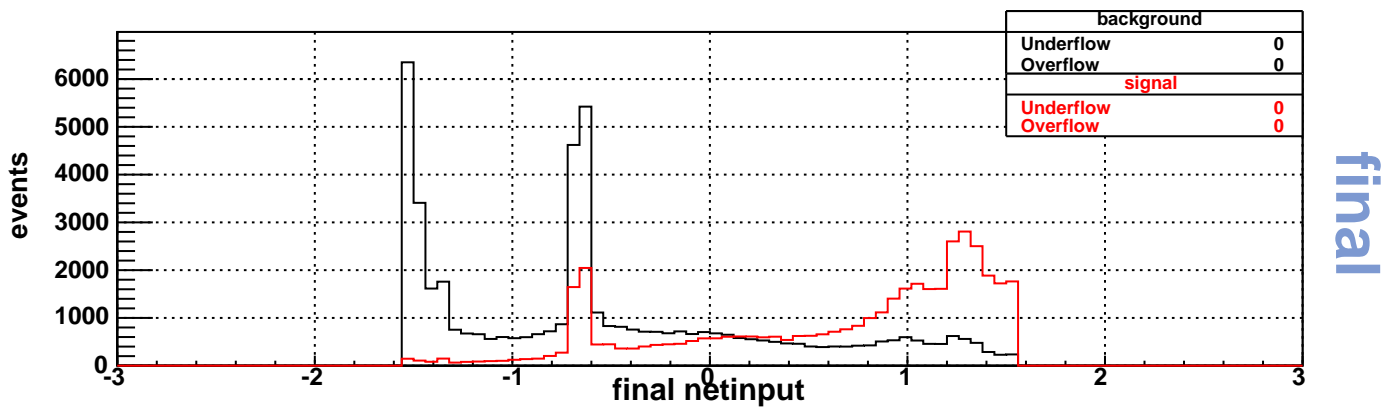
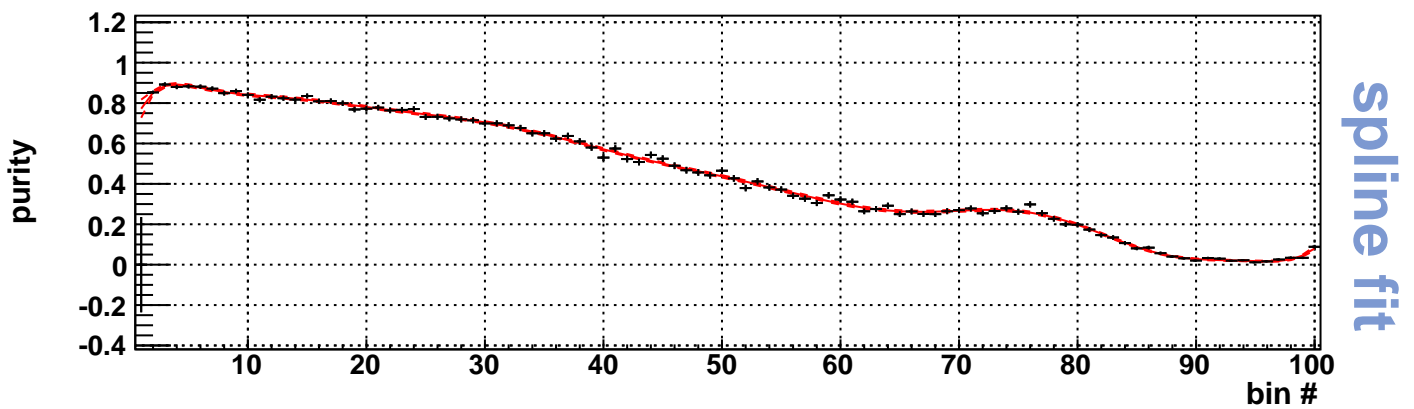
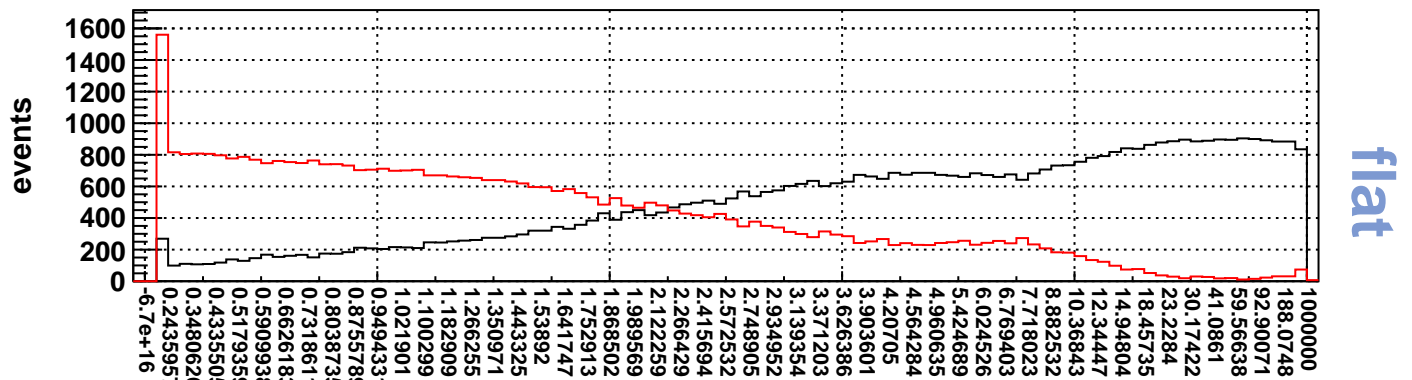
only this 173.74

corr. to others 49.60%



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Input node 7 : 14

2nd most important

added signi. 110.95

signi. loss 48.90

PrePro: #7

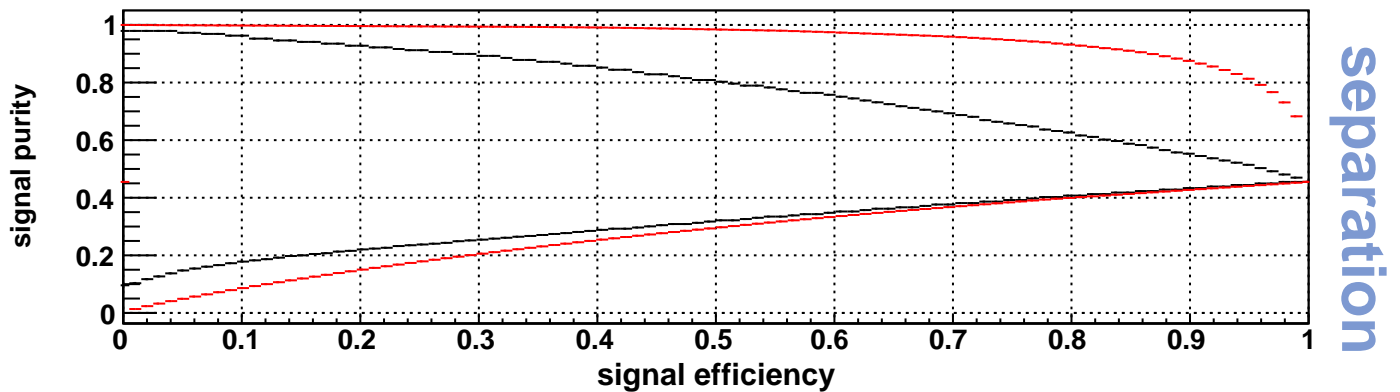
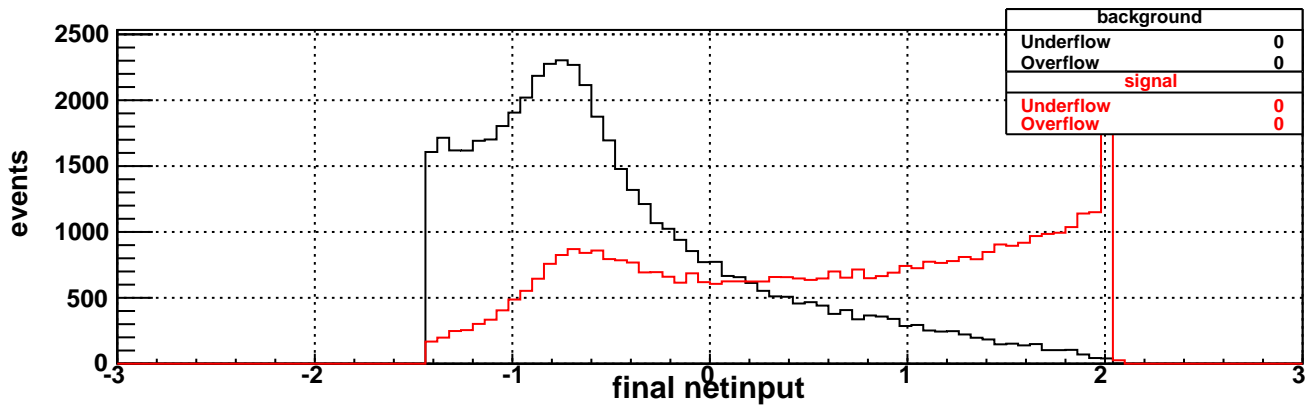
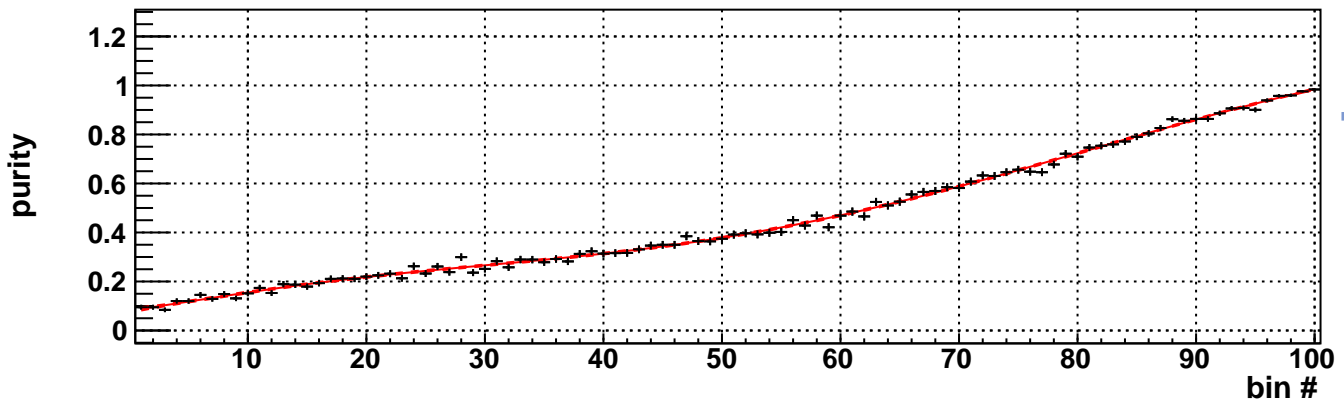
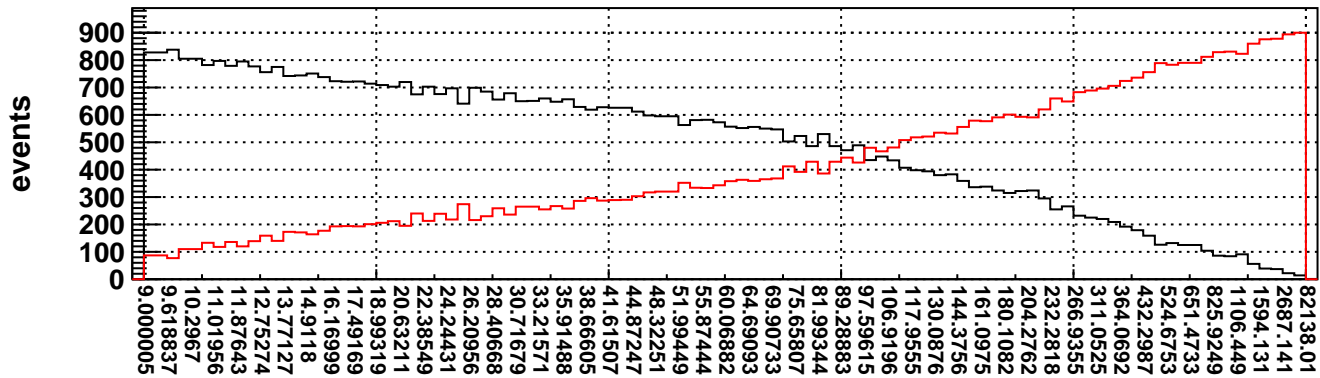
only this 156.35

corr. to others 68.10%



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Input node 5 : 14

3rd most important

added signi. 82.85

signi. loss 70.45

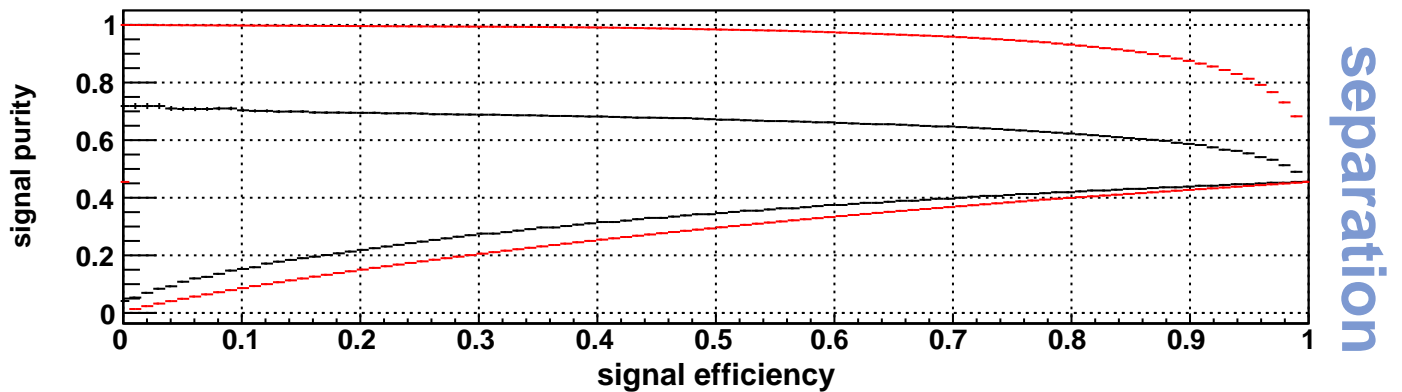
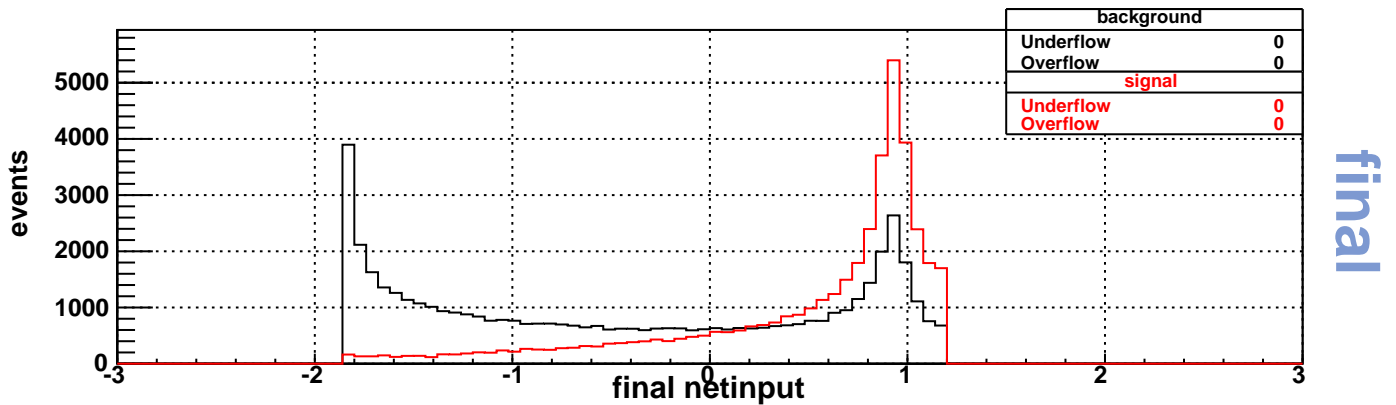
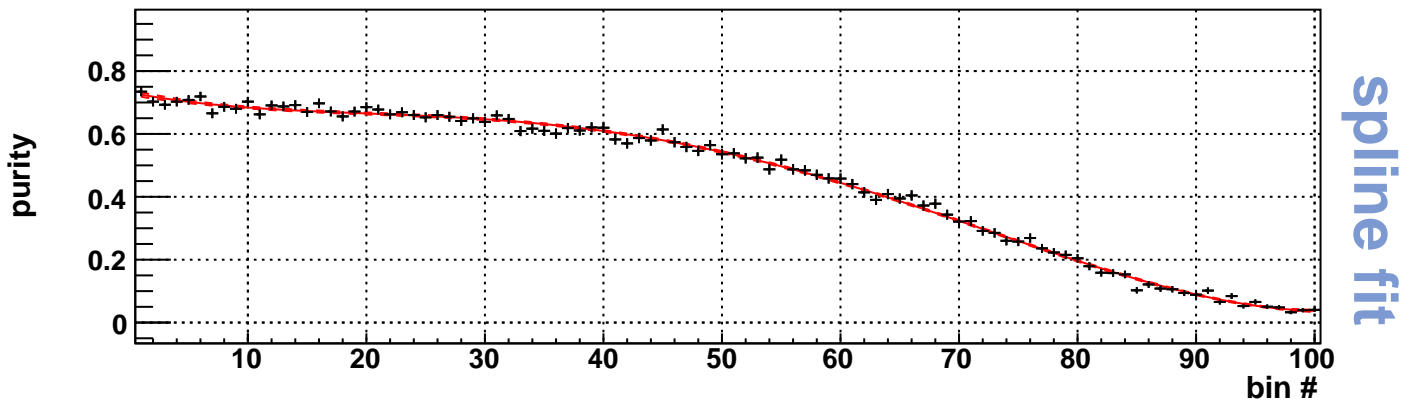
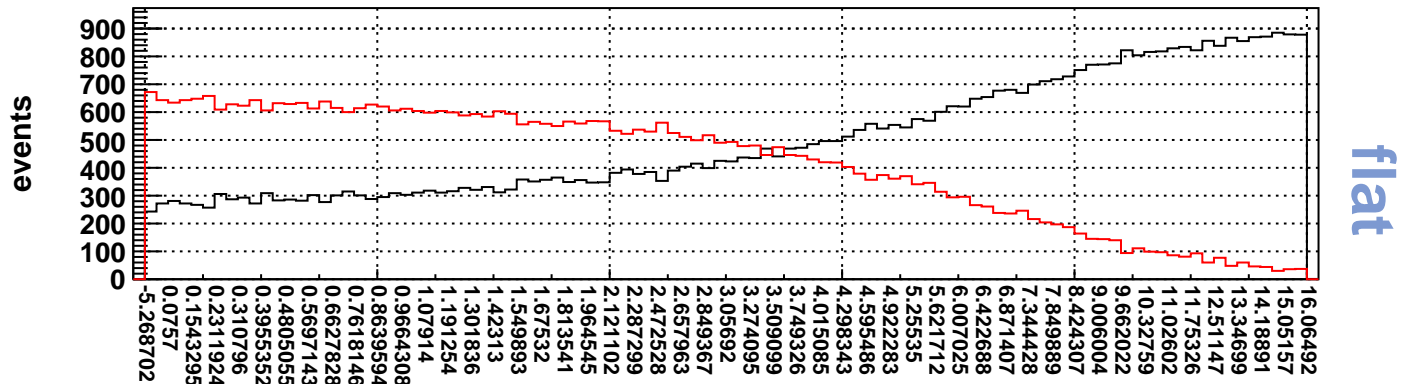
PrePro: #5

only this 136.70

corr. to others 46.90%

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Input node 8 : 14

4th most important

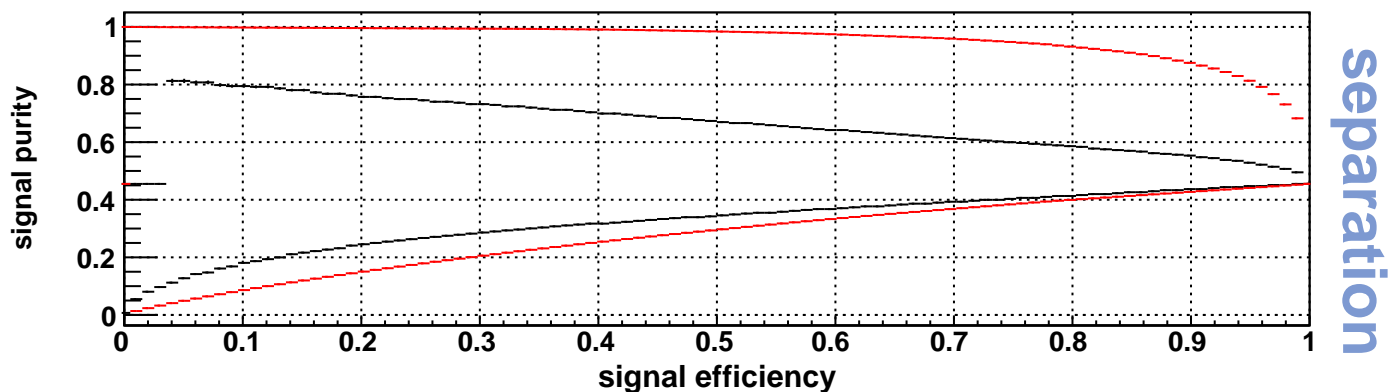
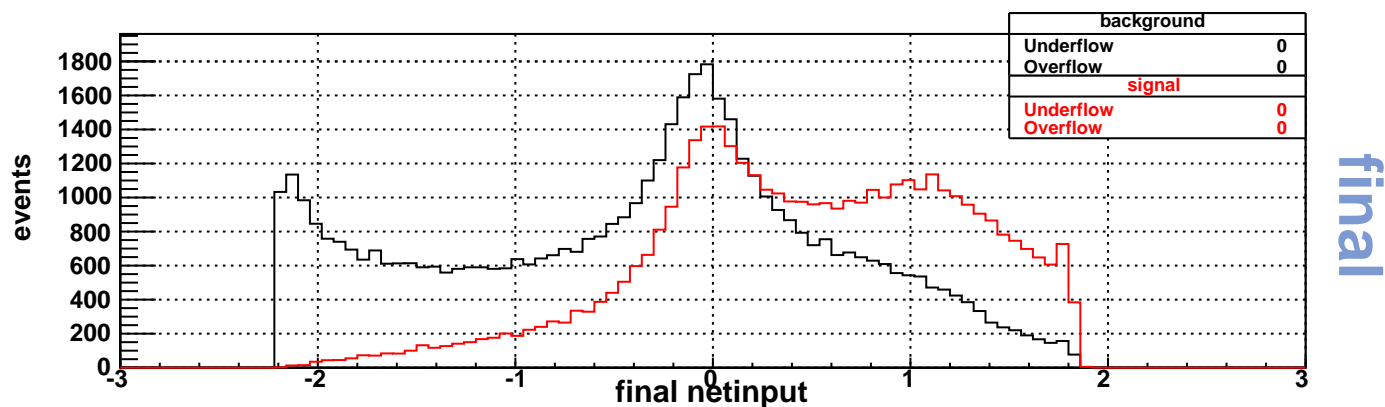
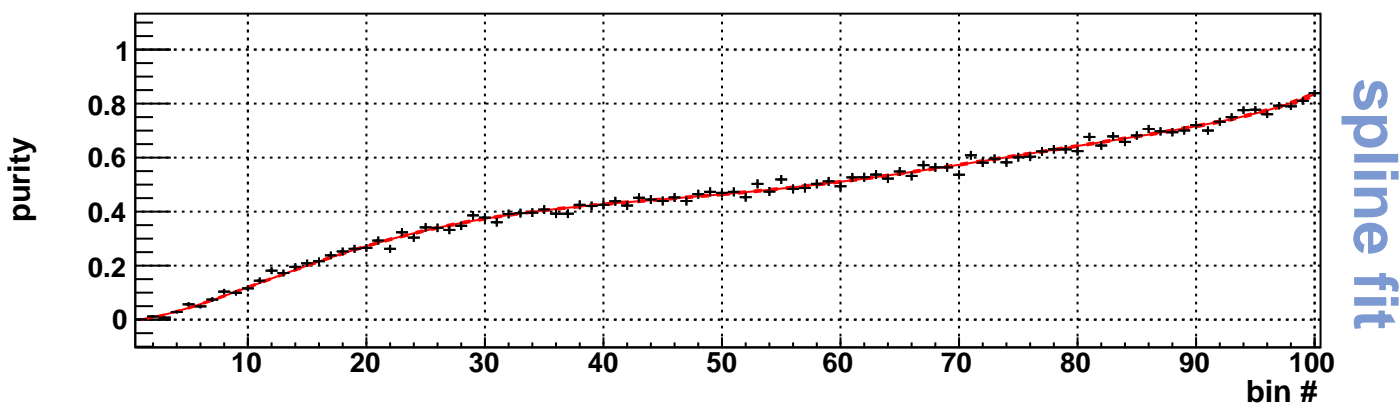
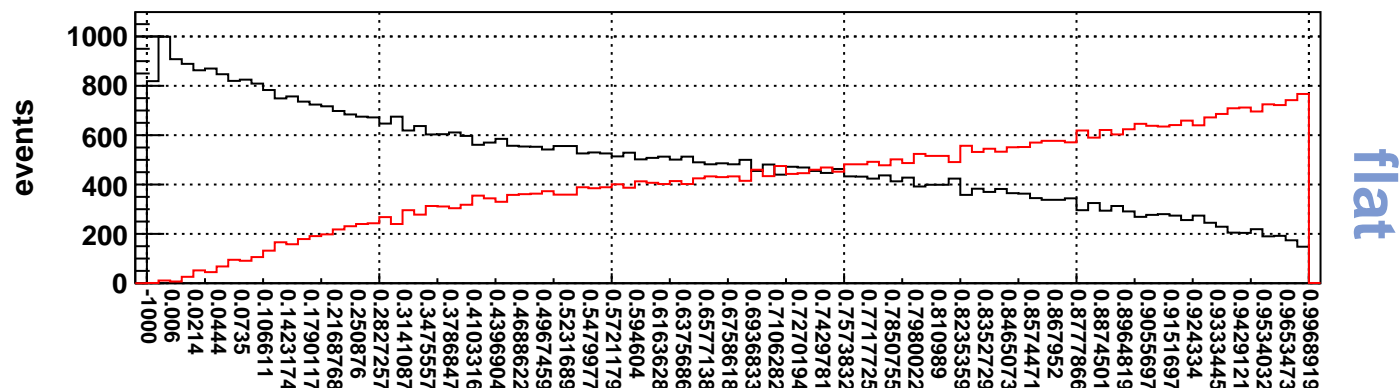
added signi. 53.70

signi. loss 41.85

PrePro: #8

only this 125.90

corr. to others 53.10%



Input node 13 : 34

5th most important

added signi. 39.97

signi. loss 27.60

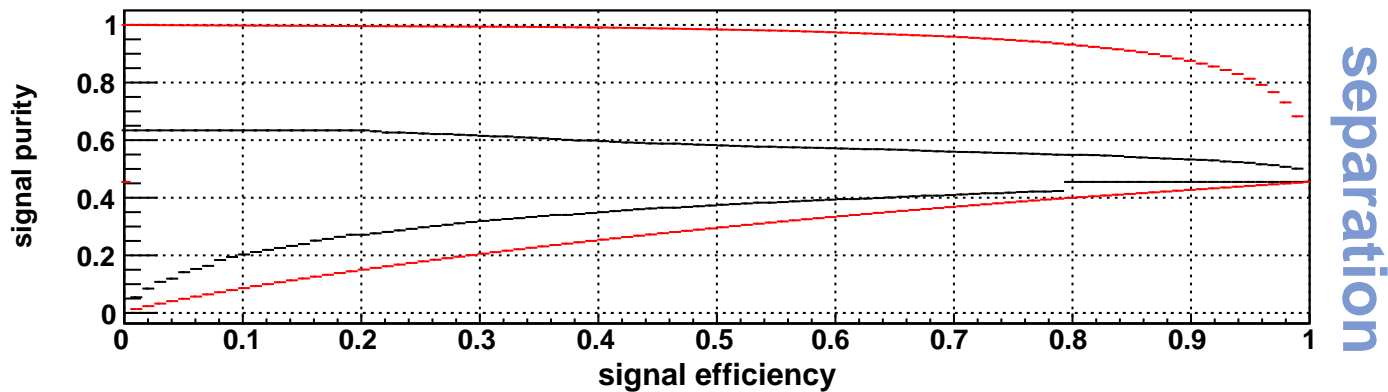
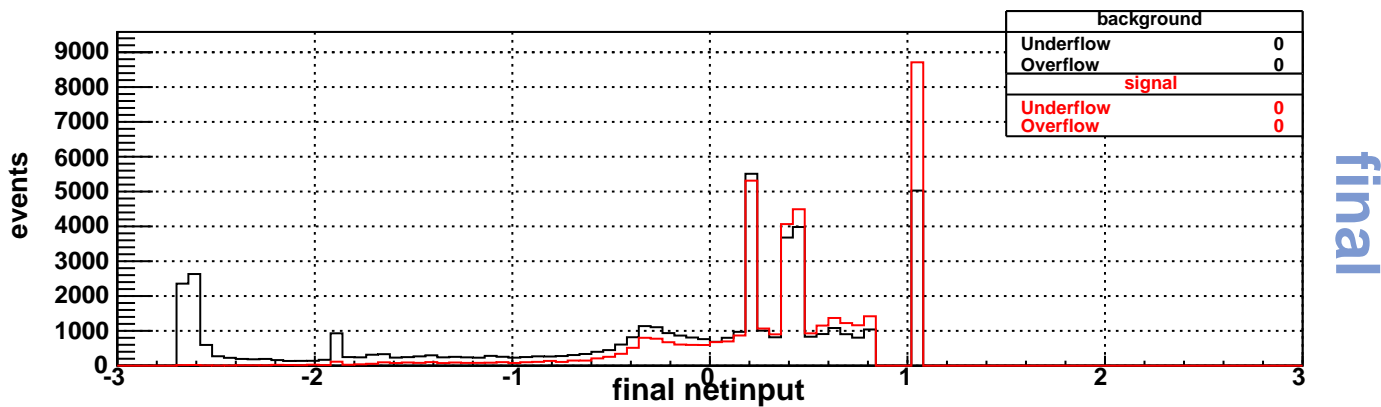
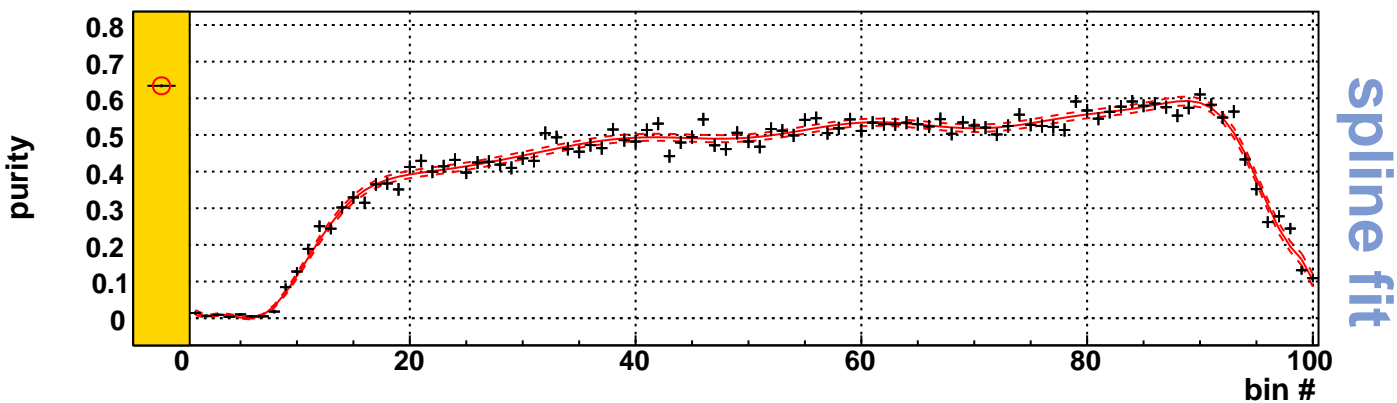
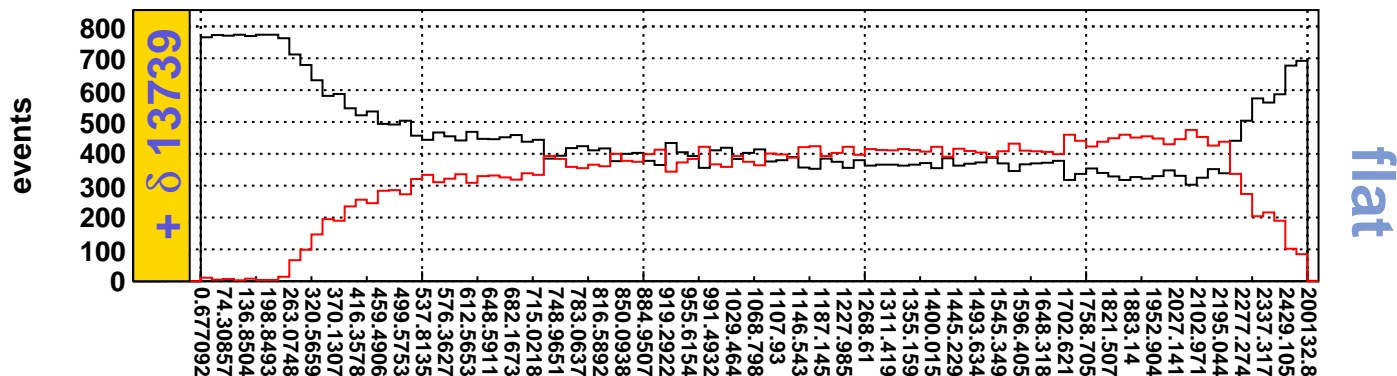
PrePro: #13

only this 102.53

corr. to others 53.80%

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Input node 10 : 34

6th most important

added signi. 29.50

signi. loss 22.28

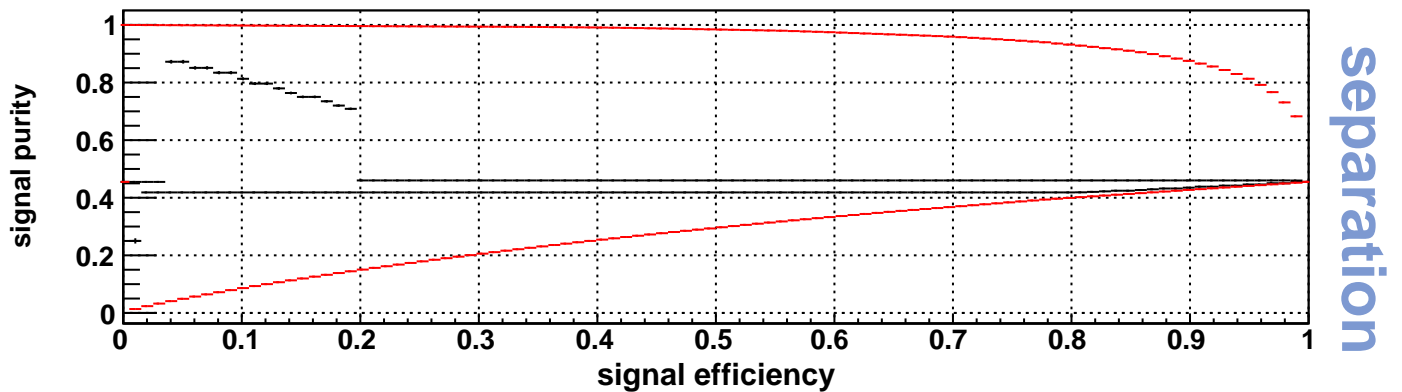
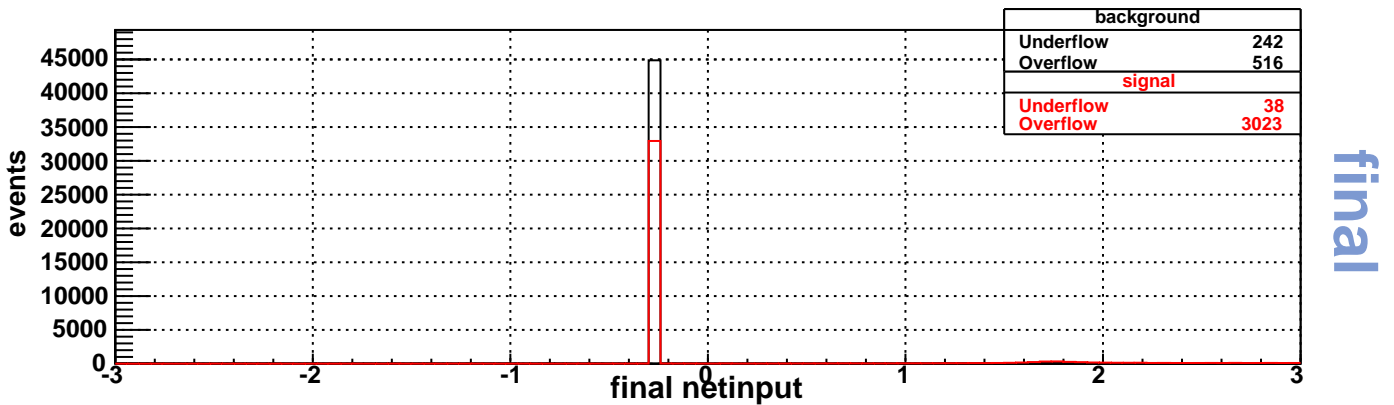
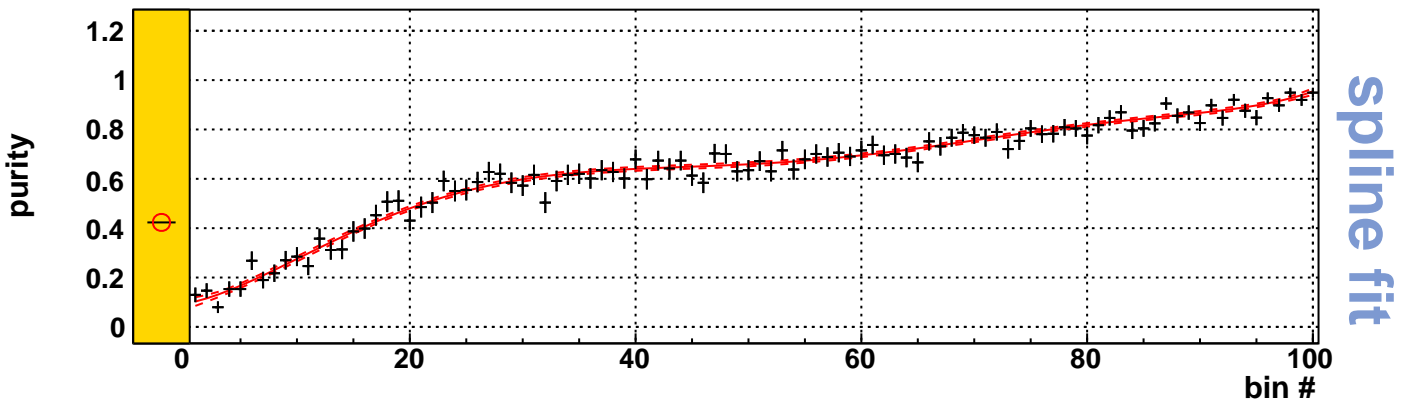
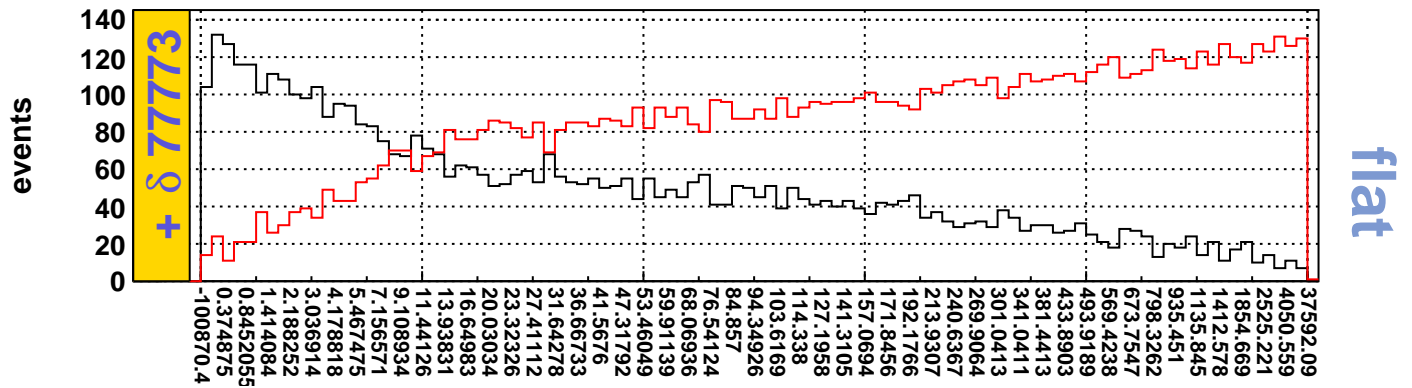
PrePro: #10

only this 66.46

corr. to others 57.40%

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Input node 6 : 14

7th most important

added signi. 27.13

signi. loss 24.69

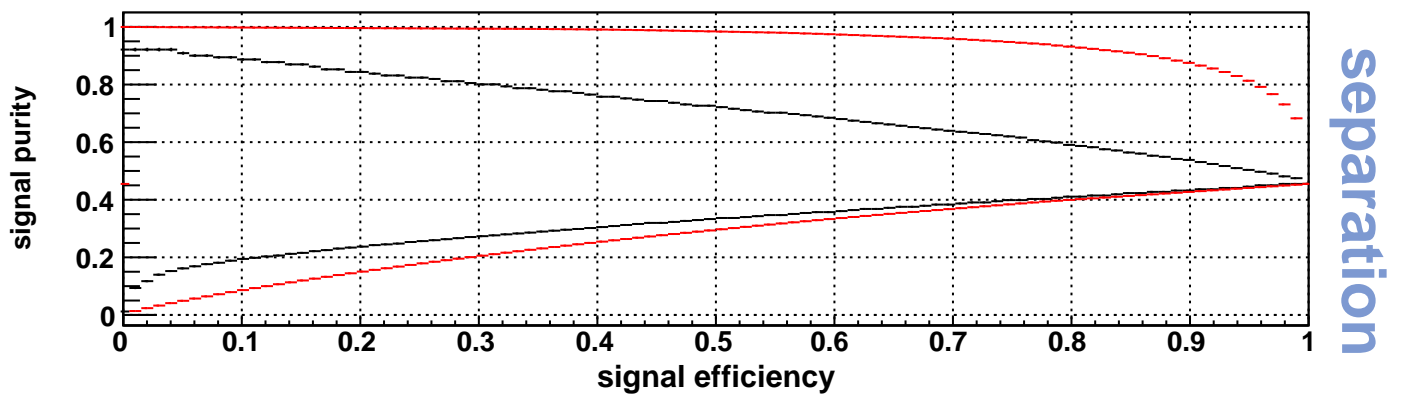
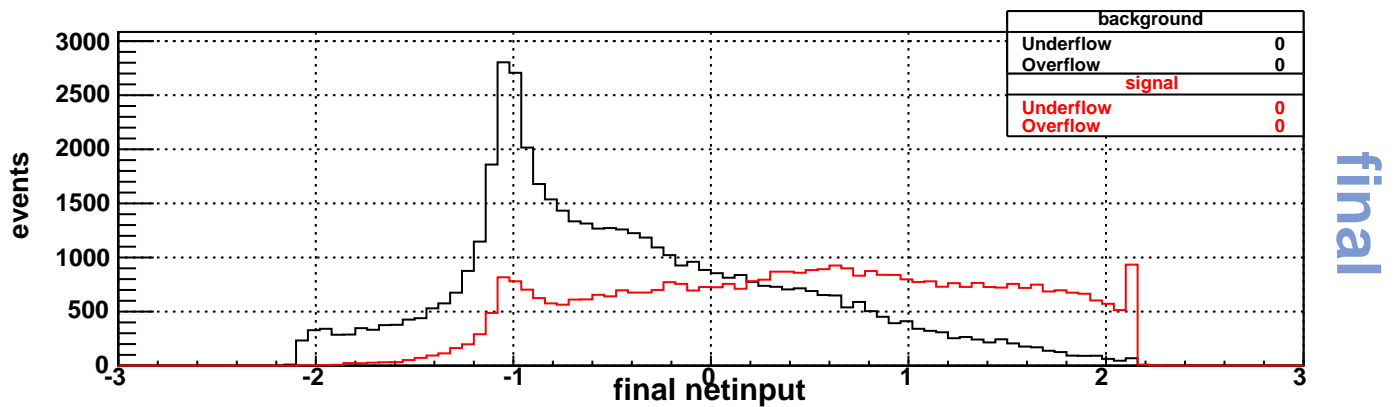
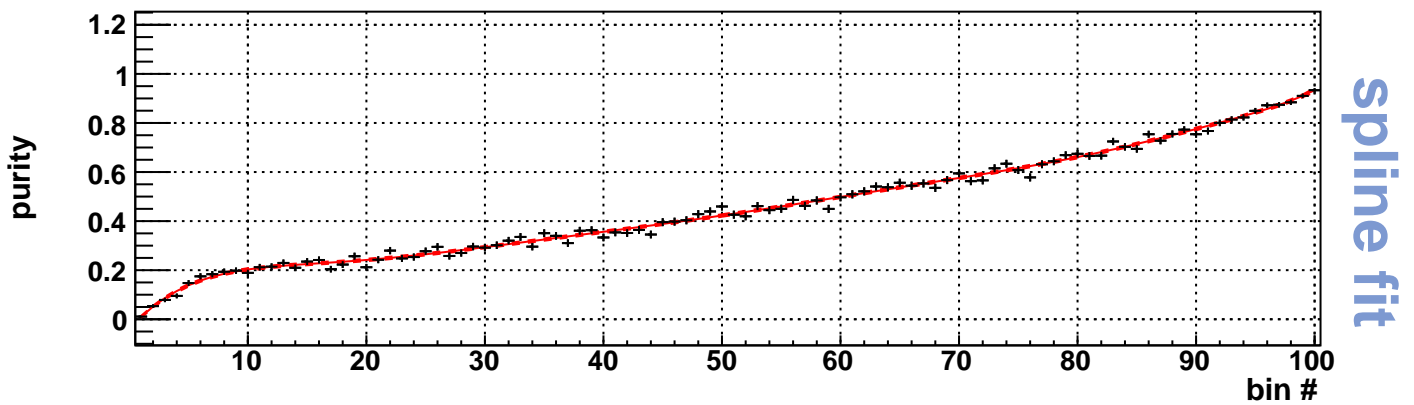
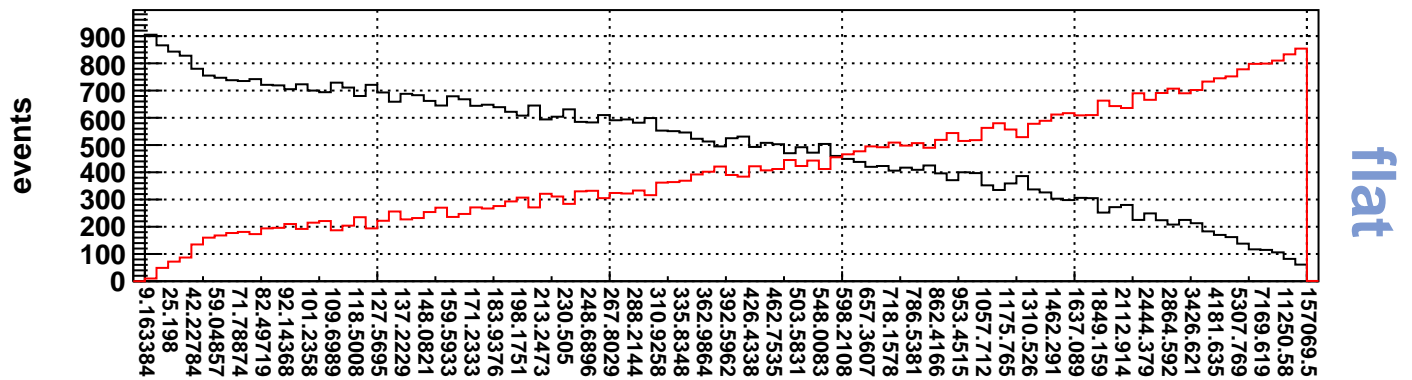
PrePro: #6

only this 133.78

corr. to others 64.30%

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Input node 9 : 14

8th most important

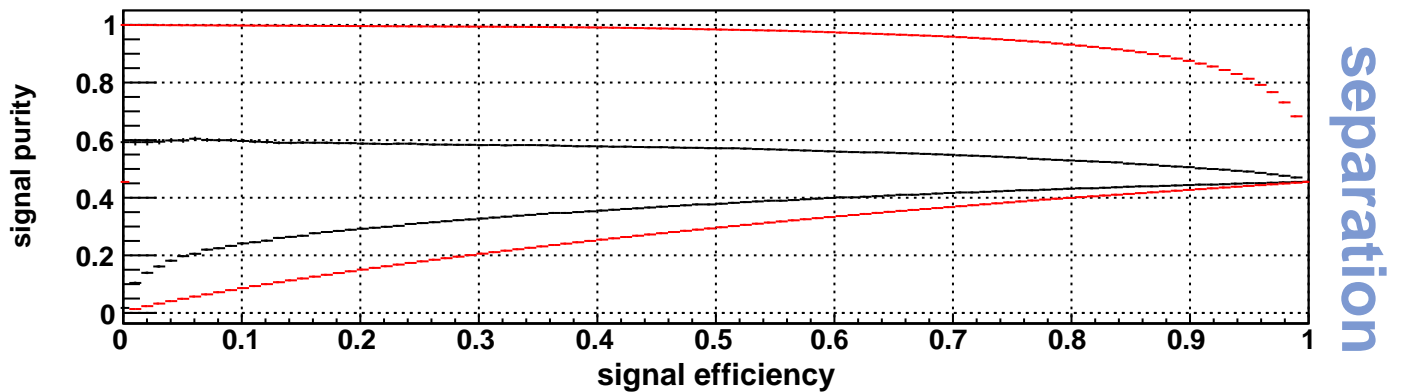
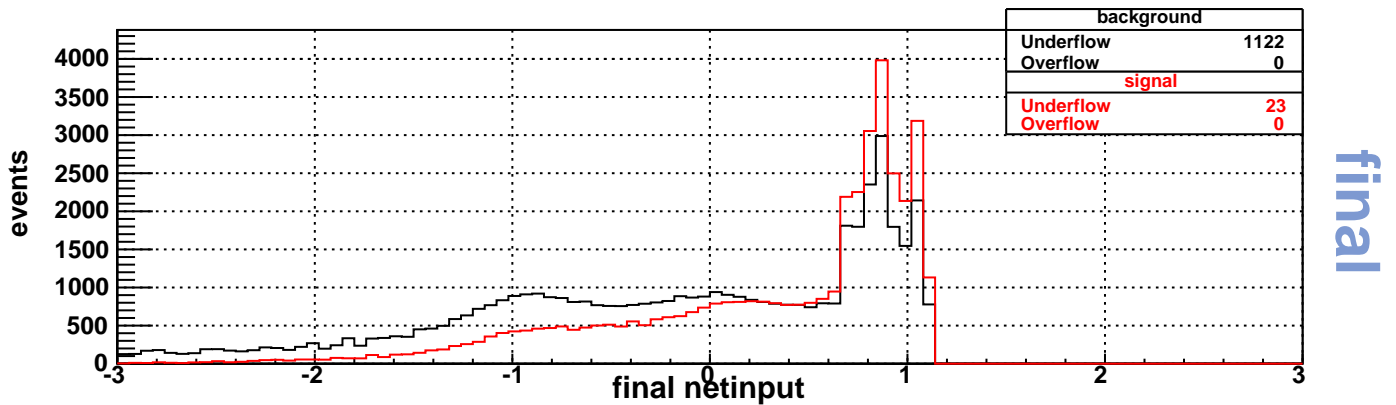
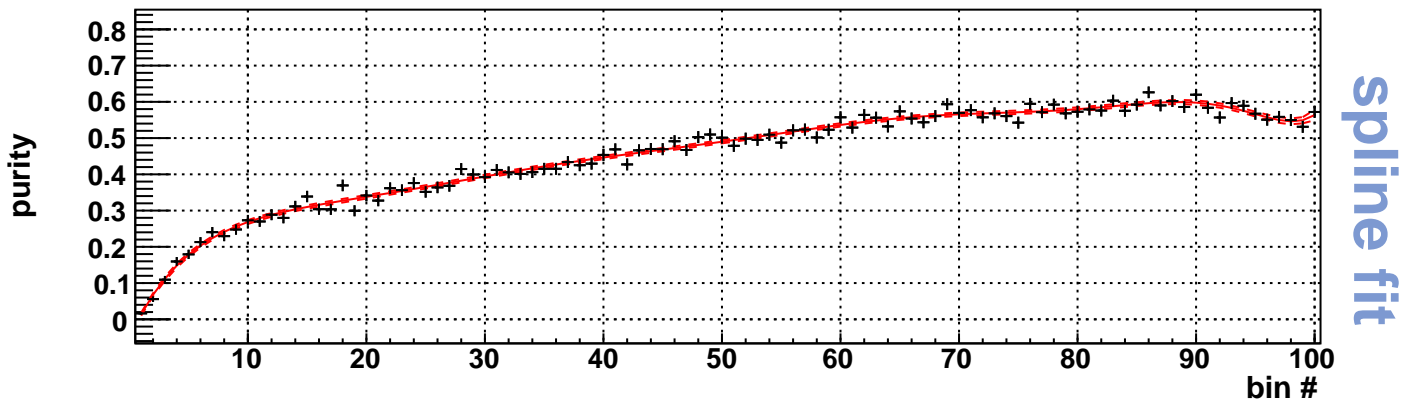
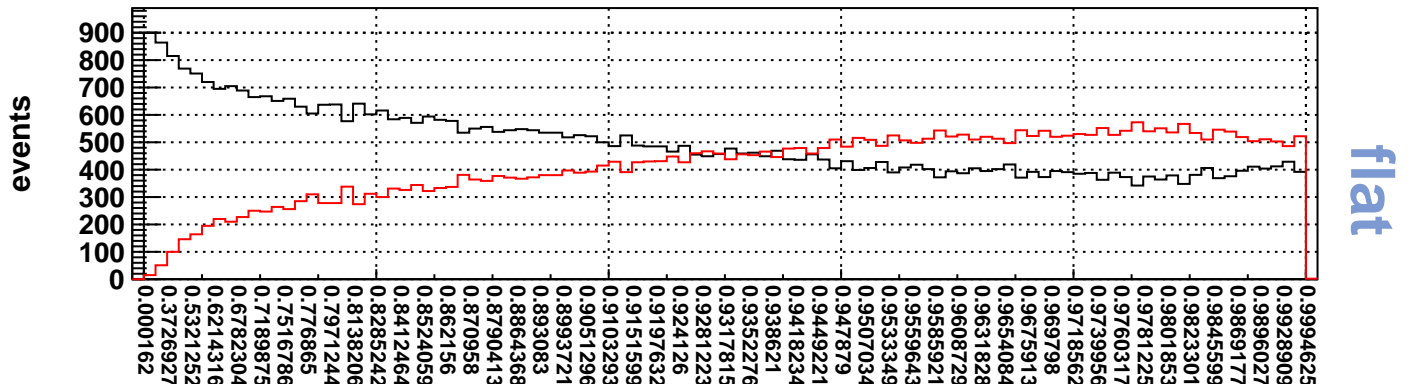
added signi. 15.92

signi. loss 15.74

PrePro: #9

only this 80.76

corr. to others 47.50%



Input node 3 : 14

9th most important

added signi. 12.42

signi. loss 13.42

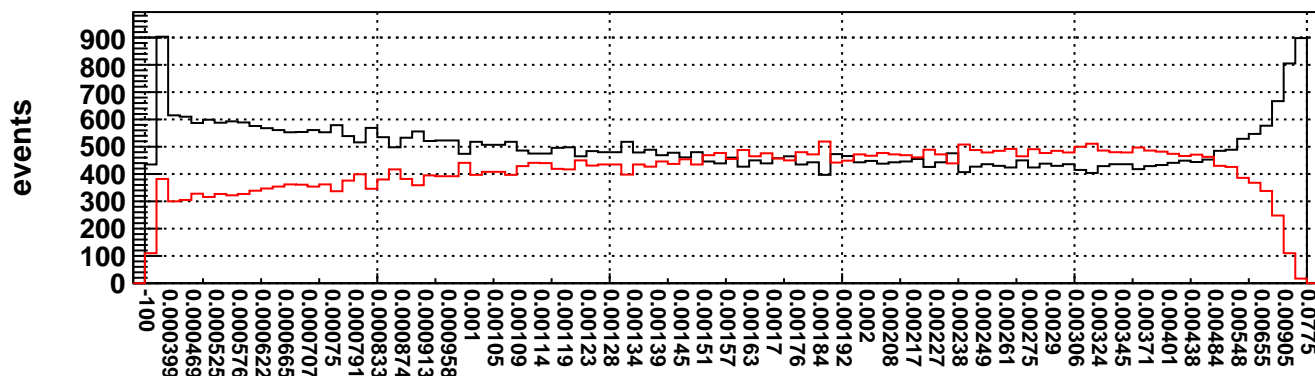
PrePro: #3

only this 52.41

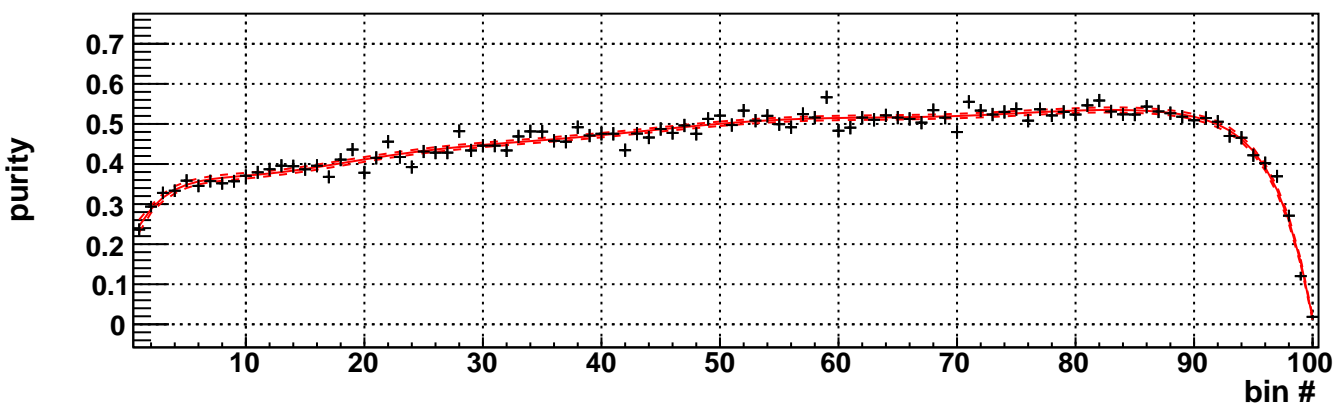
corr. to others 35.90%

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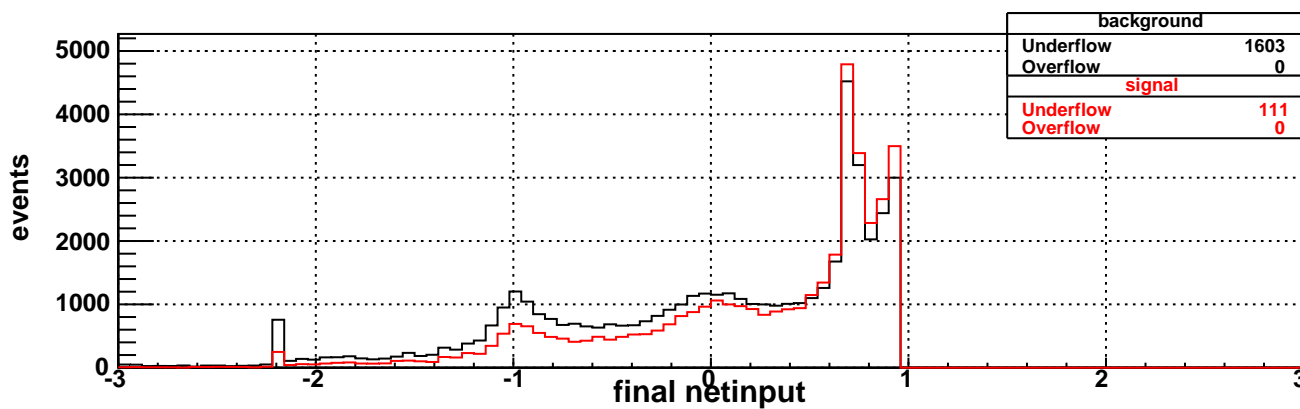
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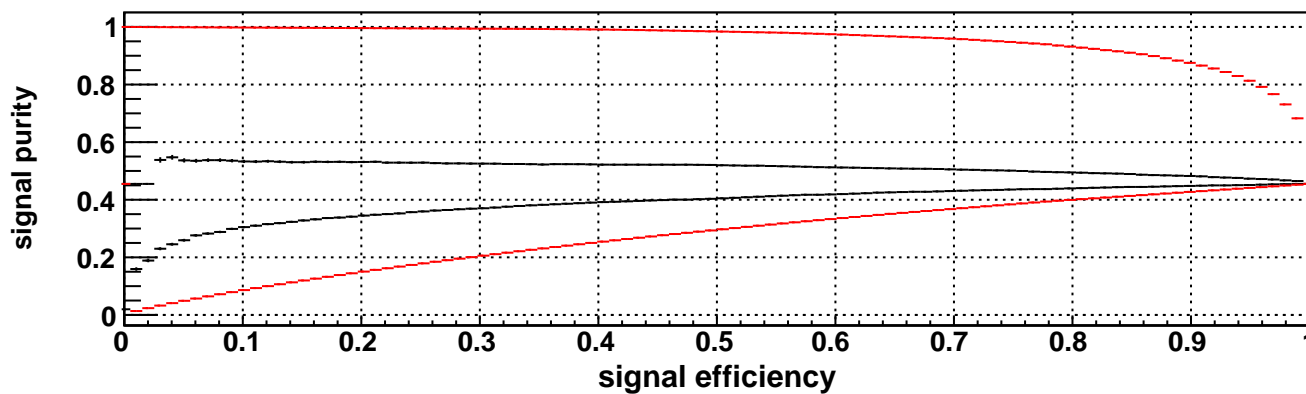
flat



spline fit



final



separation

Input node 11 : 34

10th most important

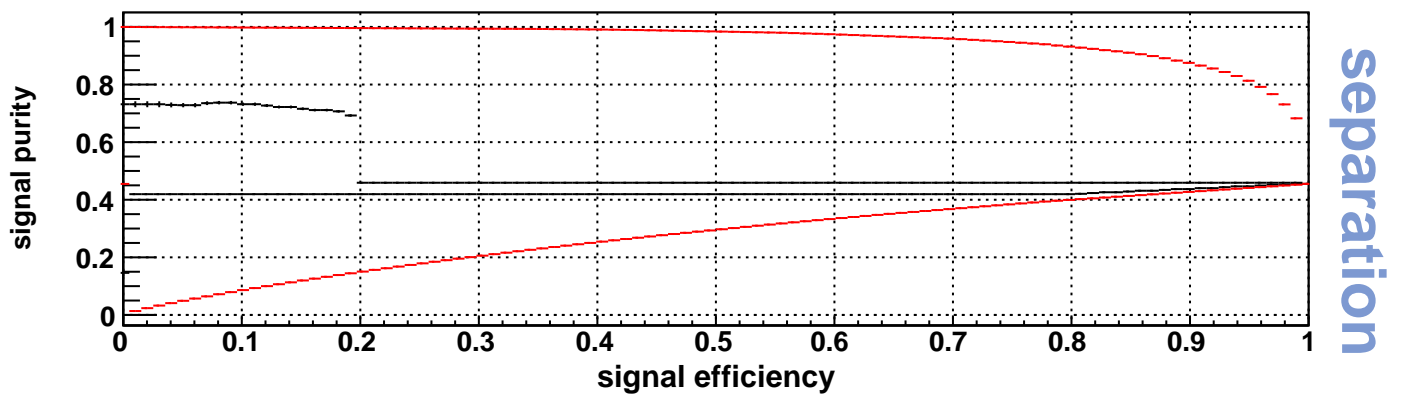
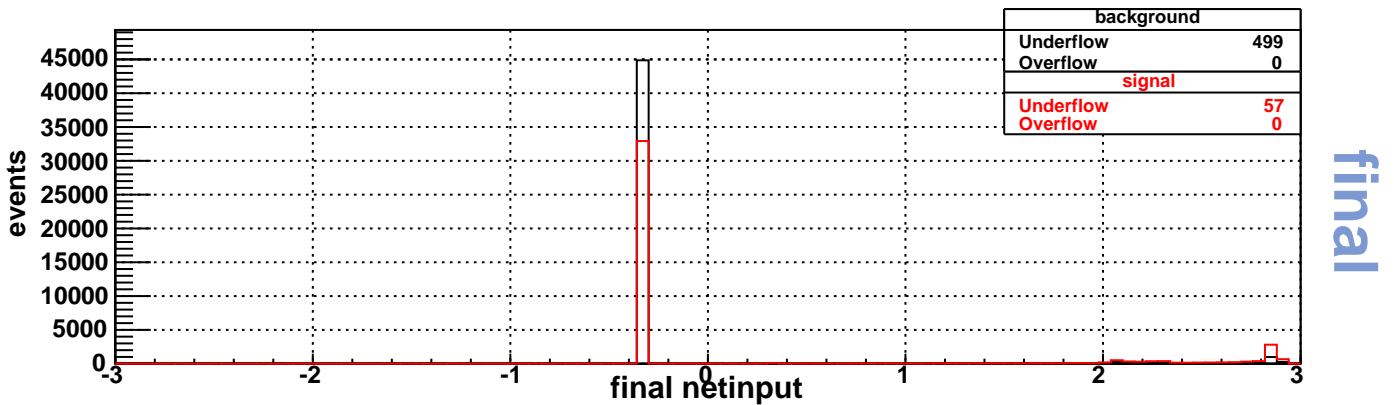
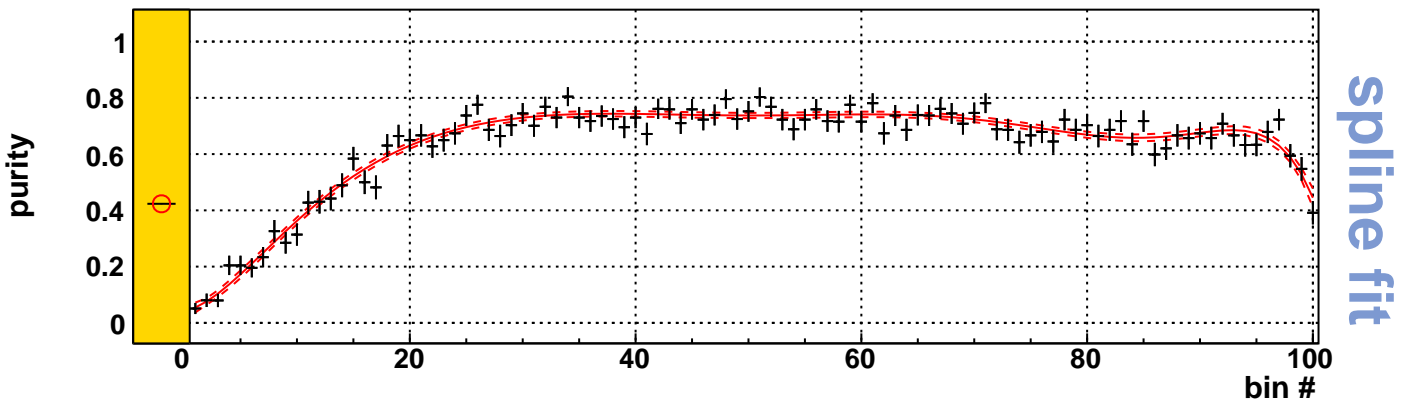
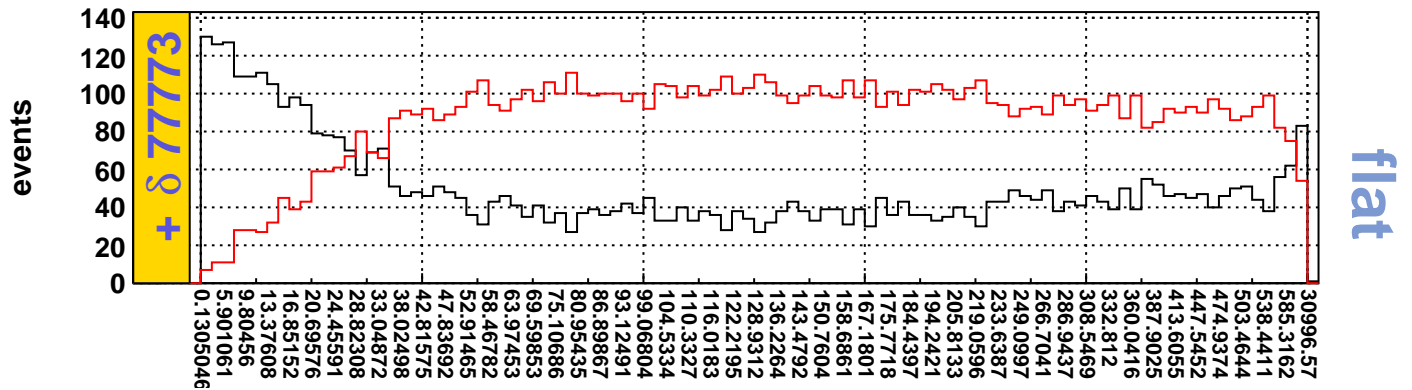
added signi. 8.52

signi. loss 9.64

PrePro: #11

only this 59.90

corr. to others 58.90%



Input node 4 : 14

11th most important

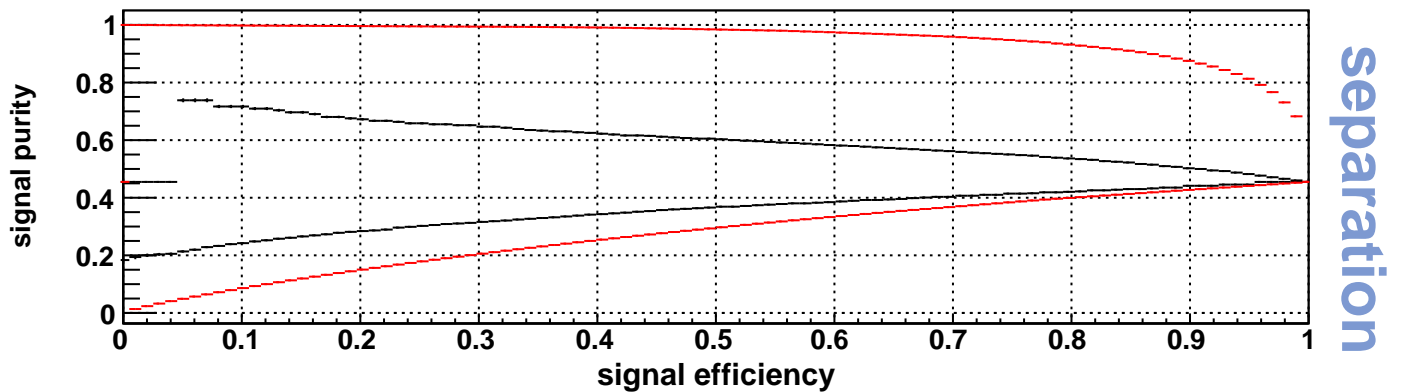
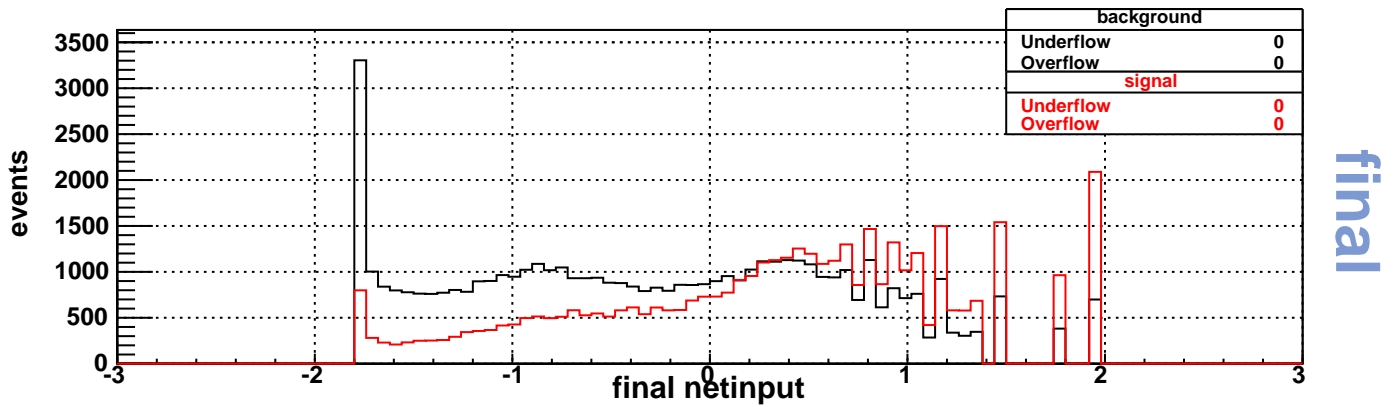
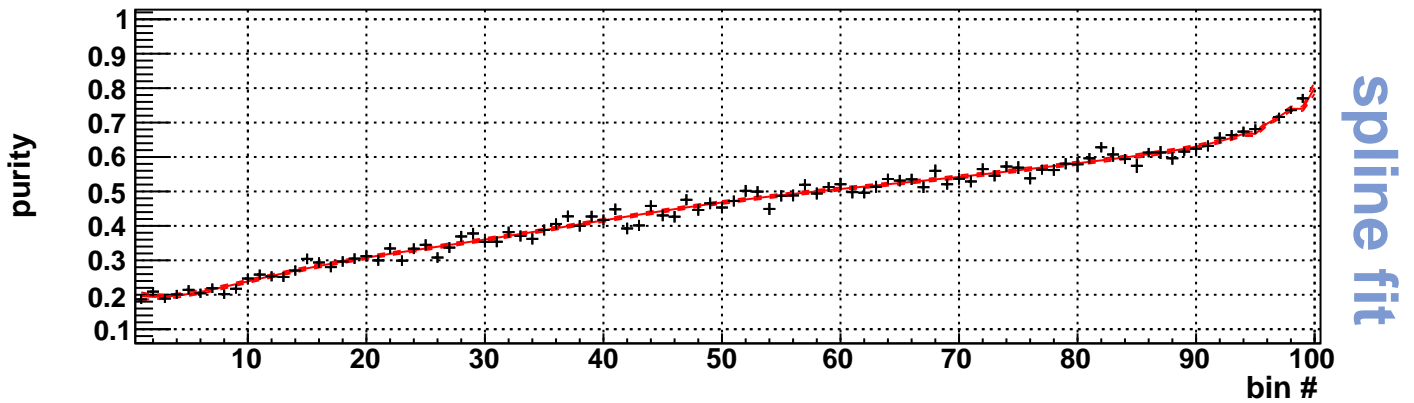
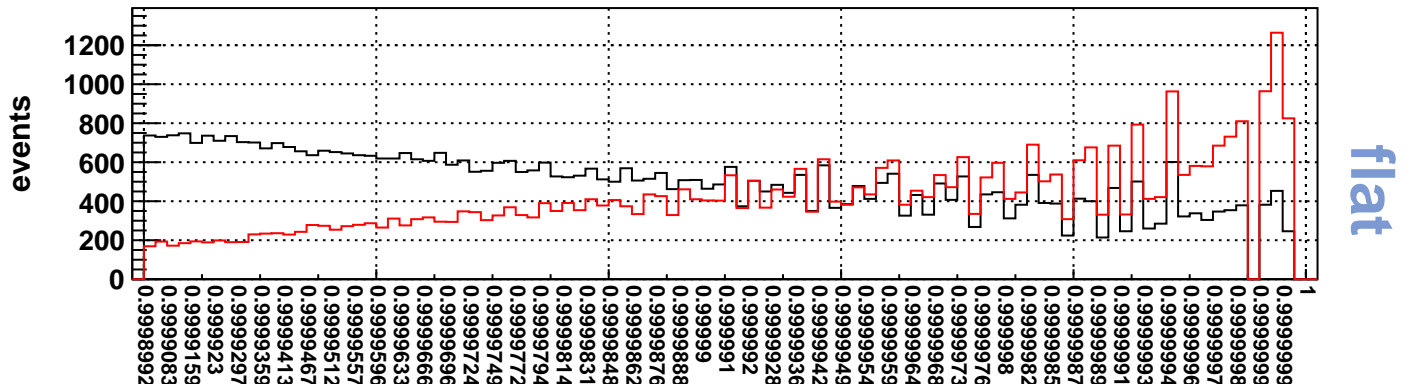
added signi. 5.79

signi. loss 6.36

PrePro: #4

only this 88.47

corr. to others 54.10%



Input node 12 : 34

12th most important

added signi. 5.15

signi. loss 5.15

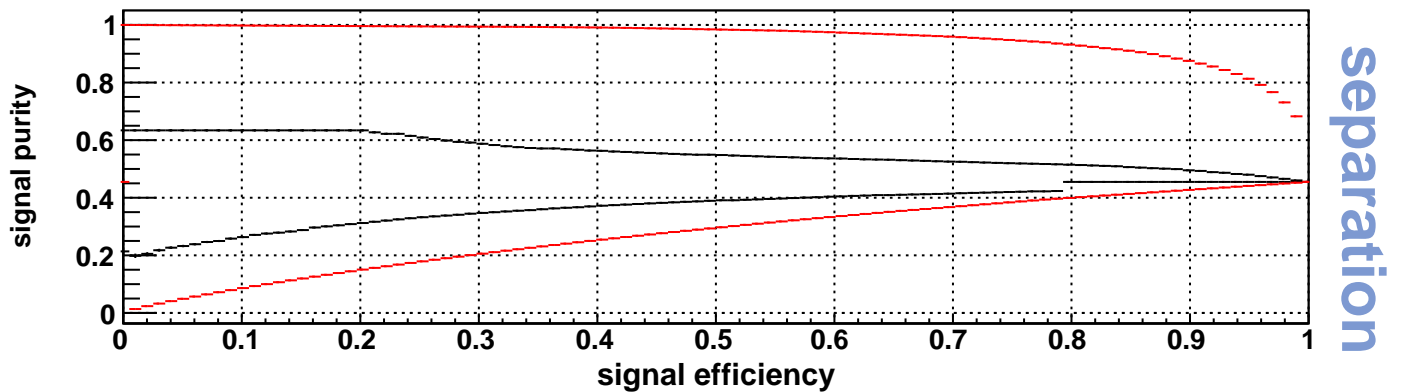
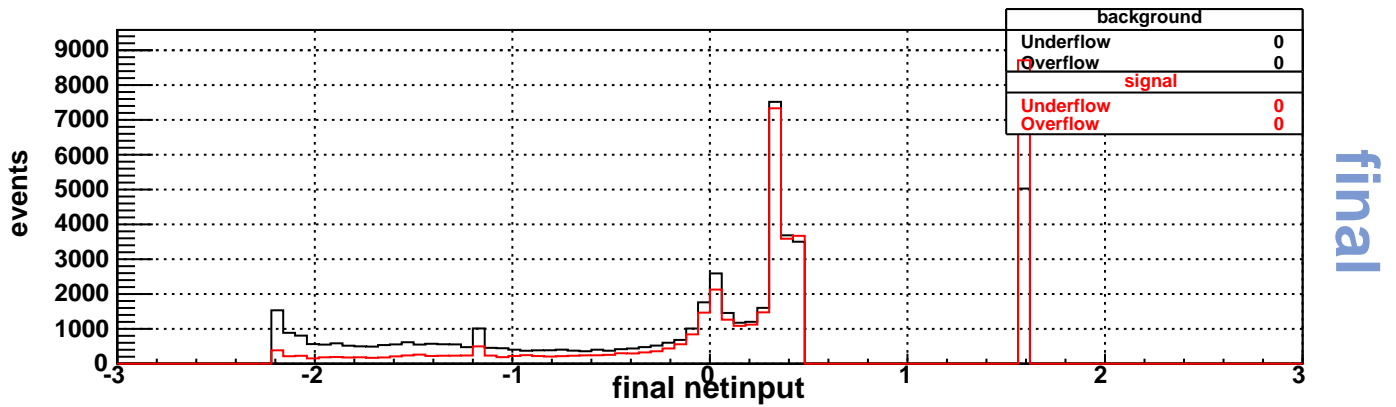
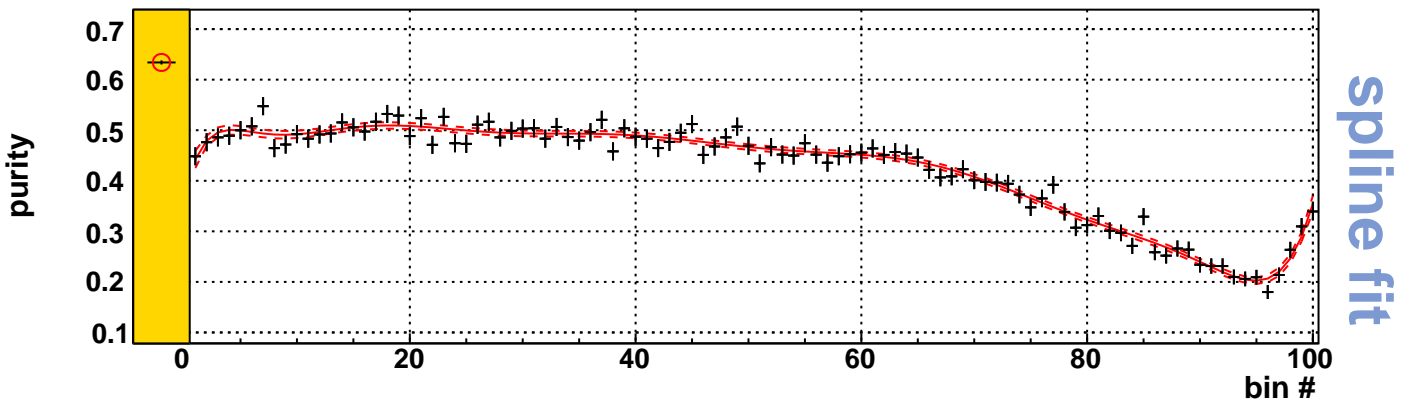
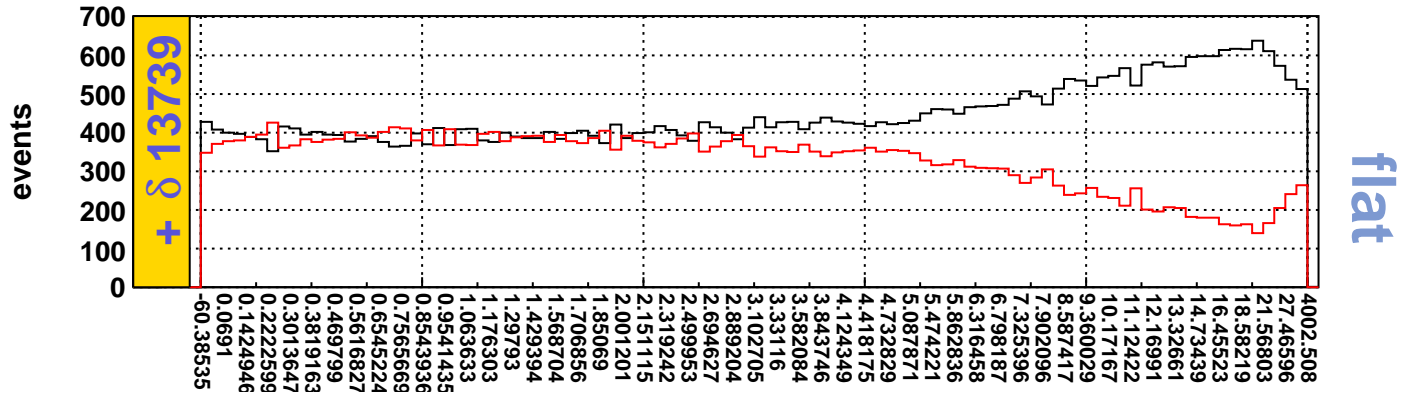
PrePro: #12

only this 69.58

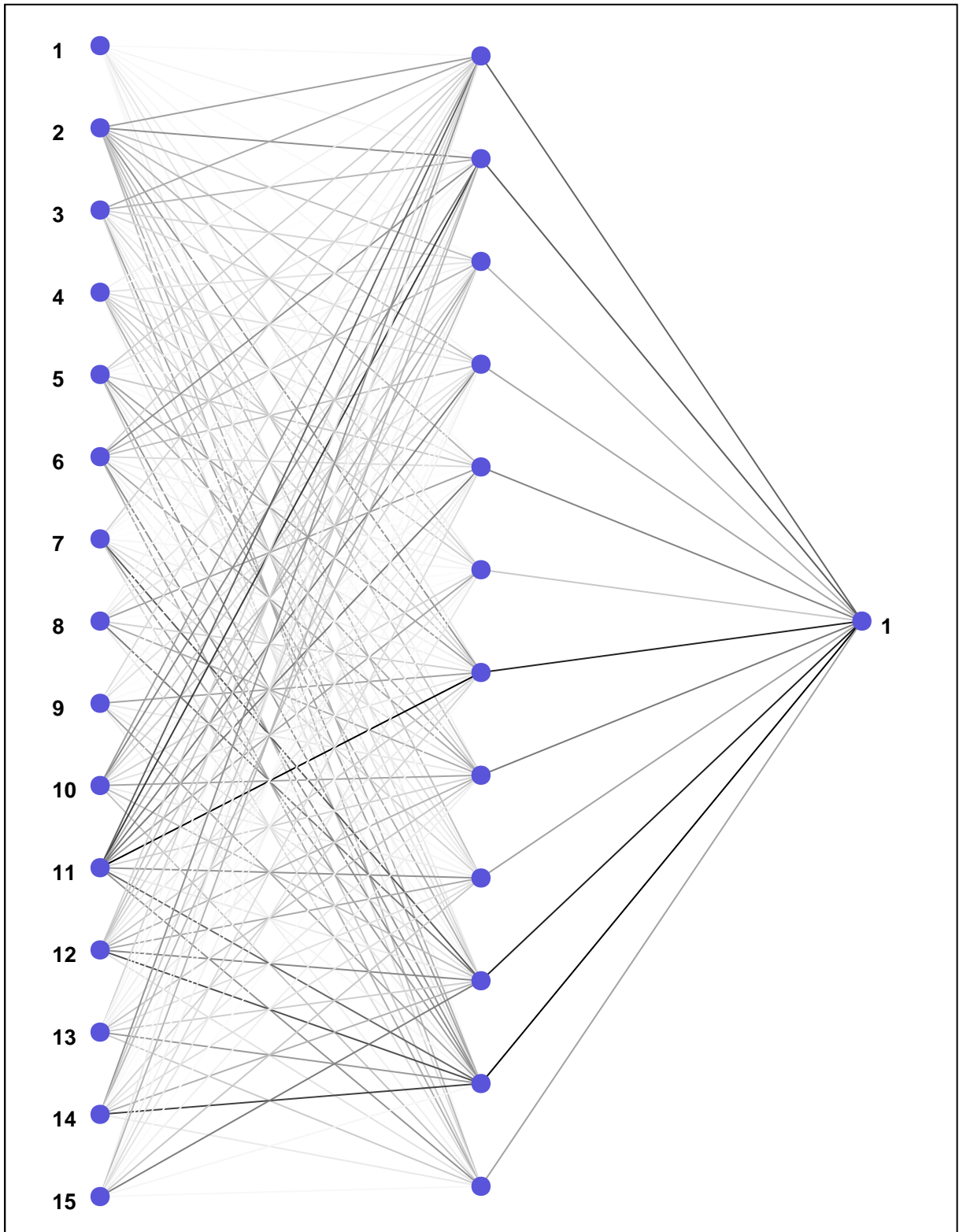
corr. to others 66.00%

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Network at iteration 100



input layer

hidden layer

output layer