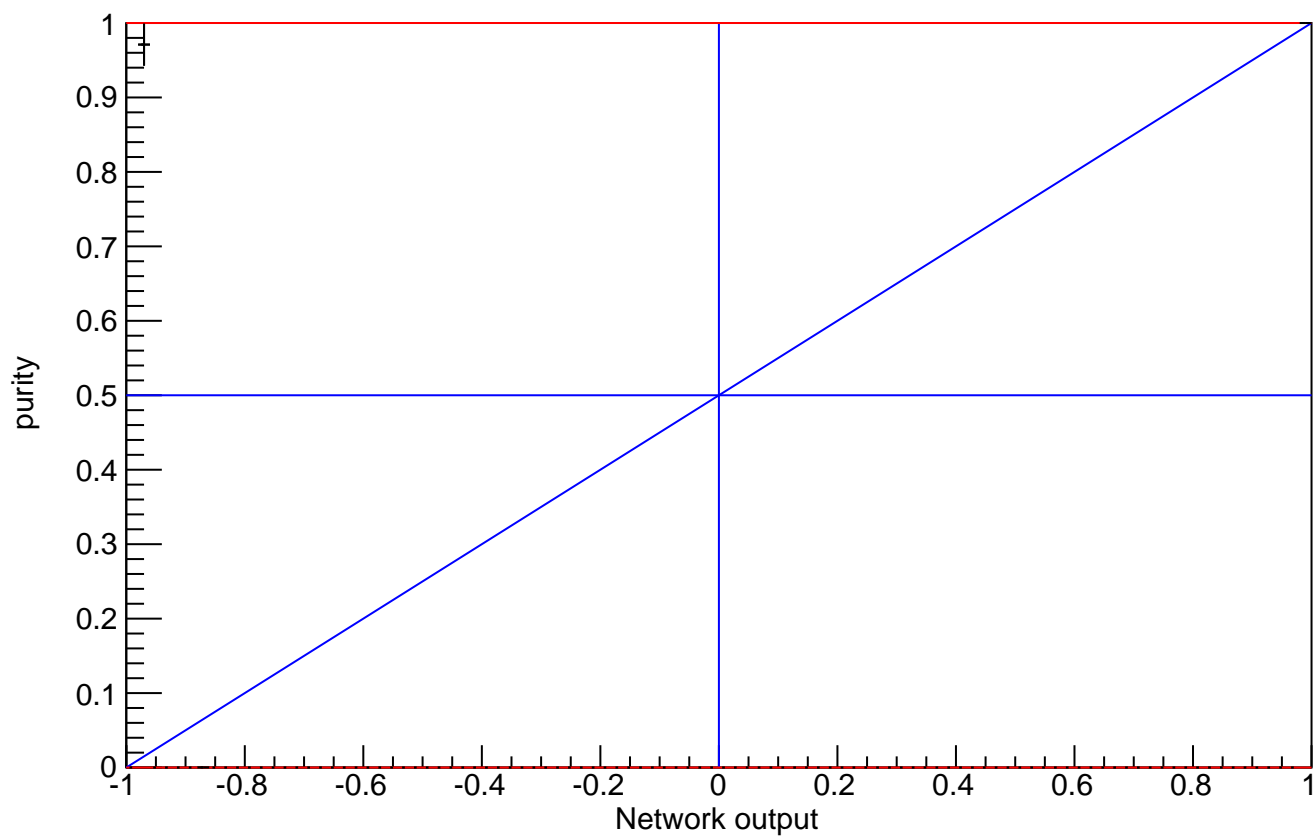
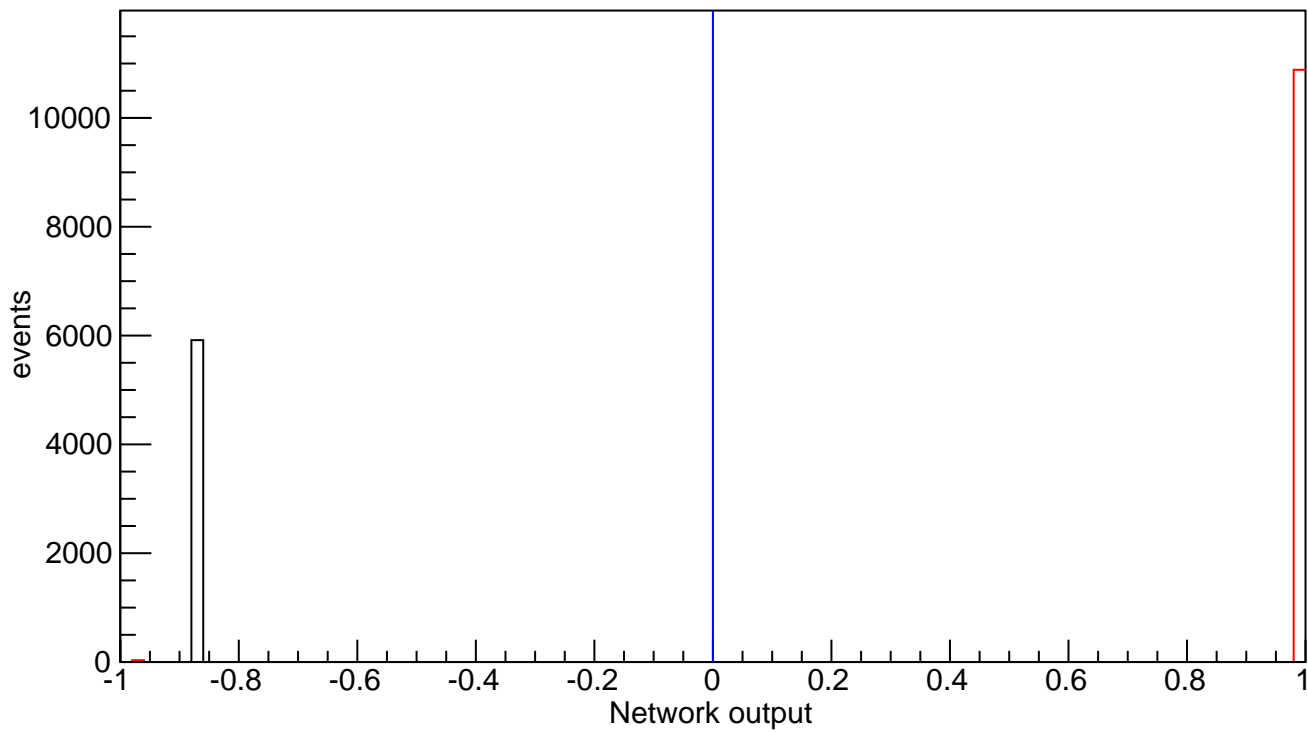
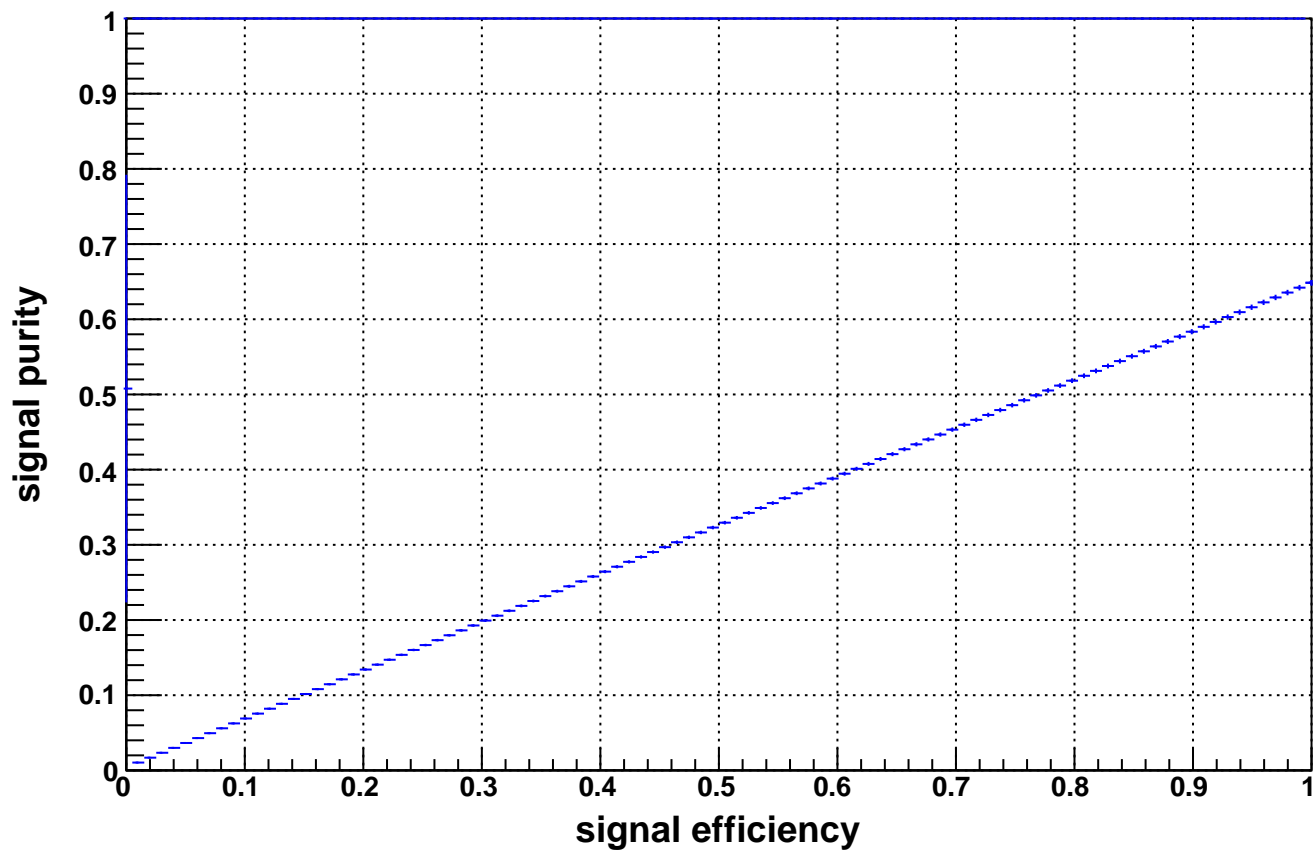
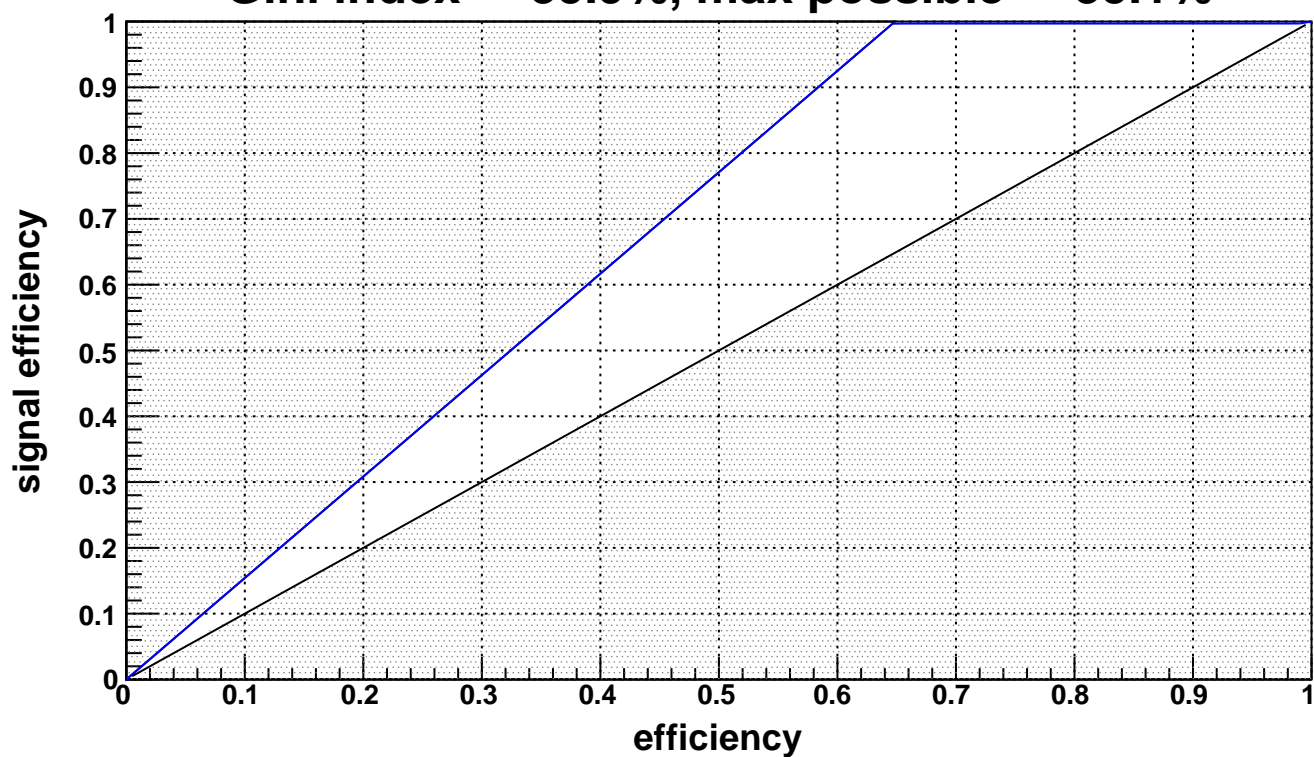


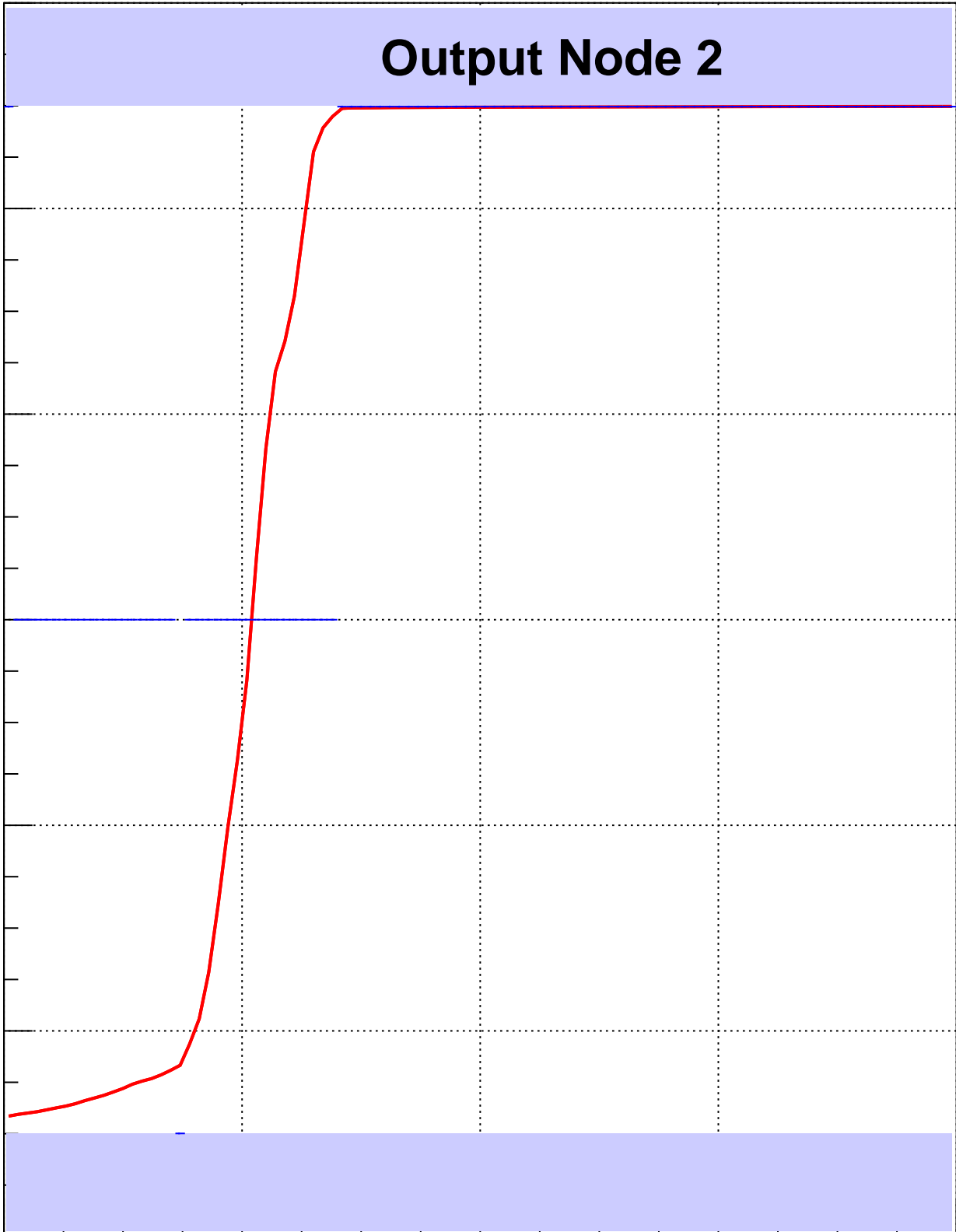
Output Node 1 (n = 16835 s = 10919 b = 5916 $p_{\text{sig}} = 0.6486$)



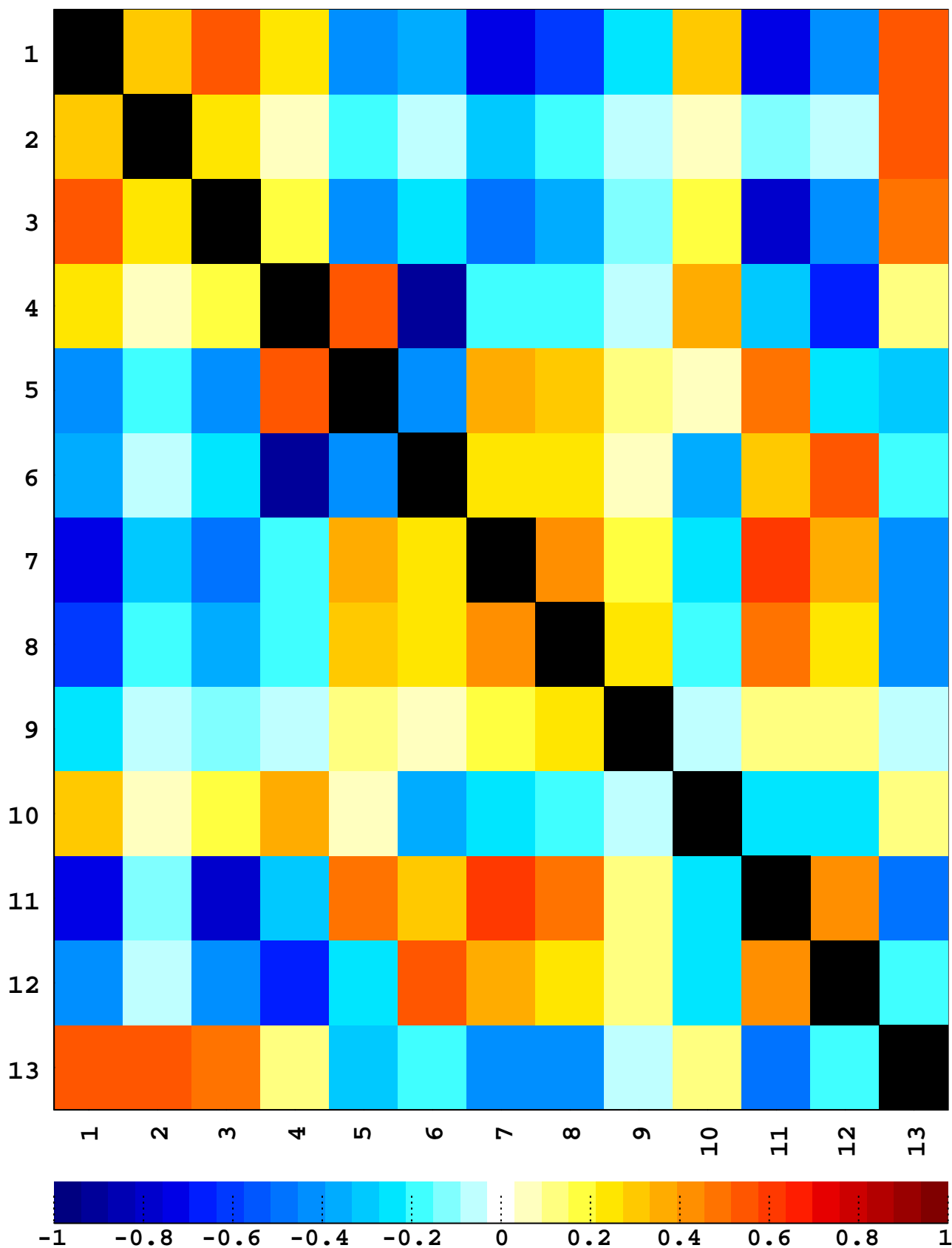


Gini index = 35.9%, max possible = 35.1%



Output Node 2

correlation matrix of input variables



signi. loss 18.23

corr. to others 90.30%

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Input node 6 : jeta1eta2

2nd most important

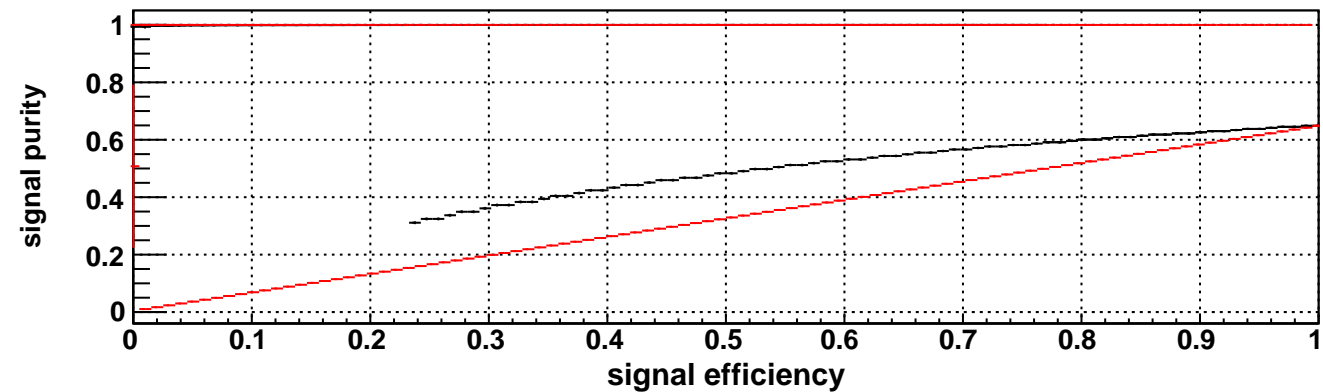
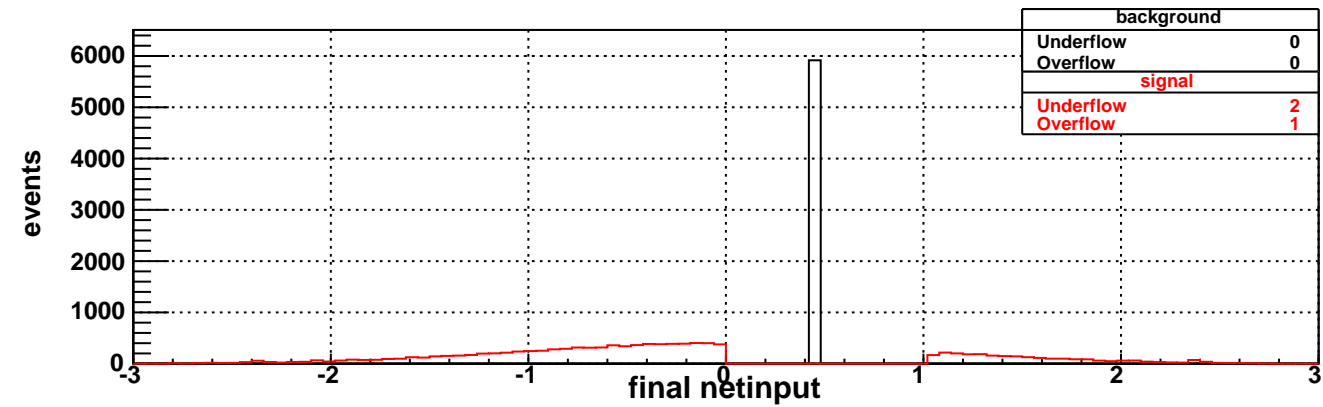
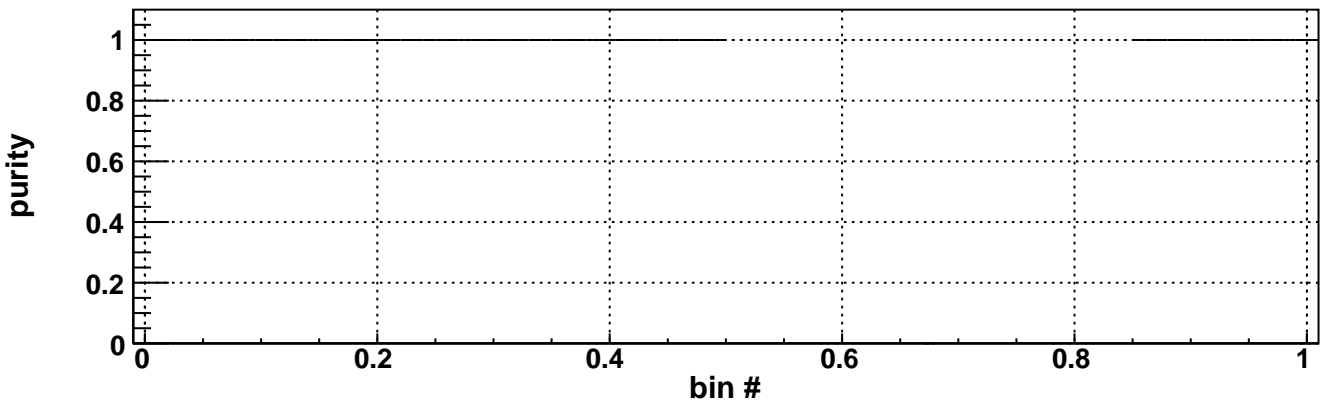
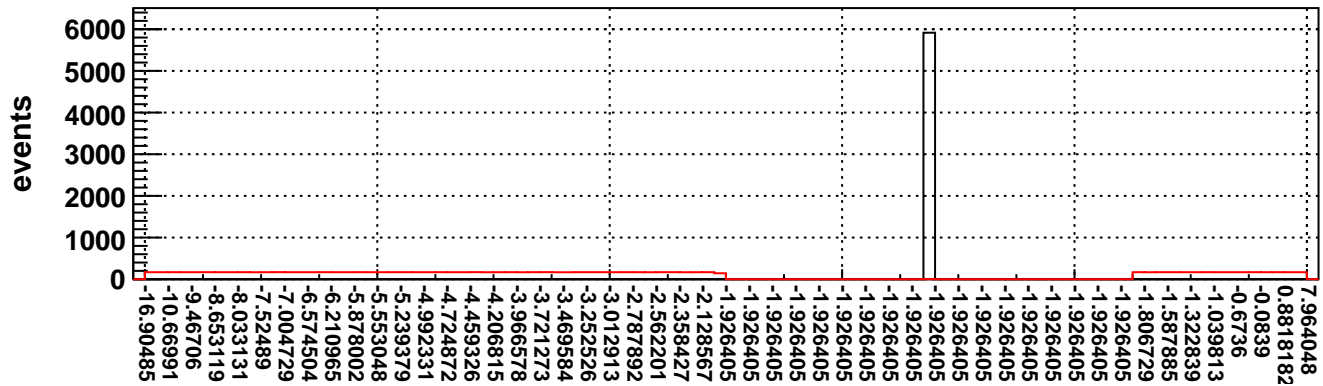
added signi. 79.75

signi. loss 17.82

PrePro: 12 #6

only this 44.54

corr. to others 90.70%





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PrePro: 12 #7

only this 93.27

corr. to others 68.90%



Input node 8 : met centrality

4th most important

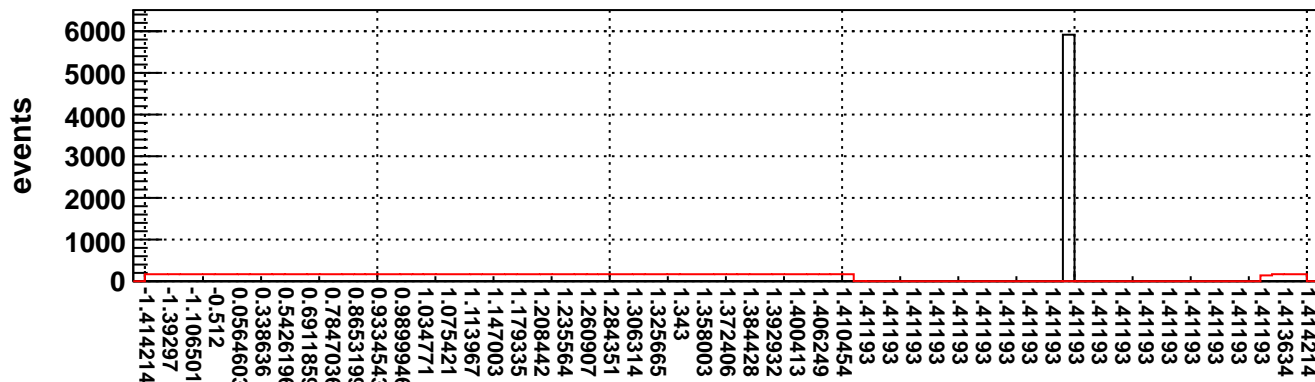
added signi. 30.60

signi. loss 21.88

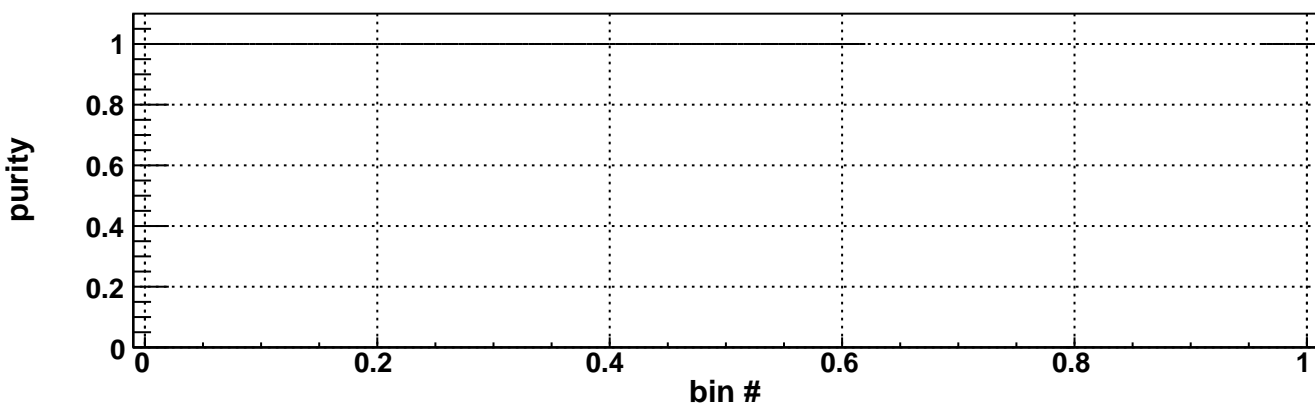
PrePro: 12 #8

only this 81.03

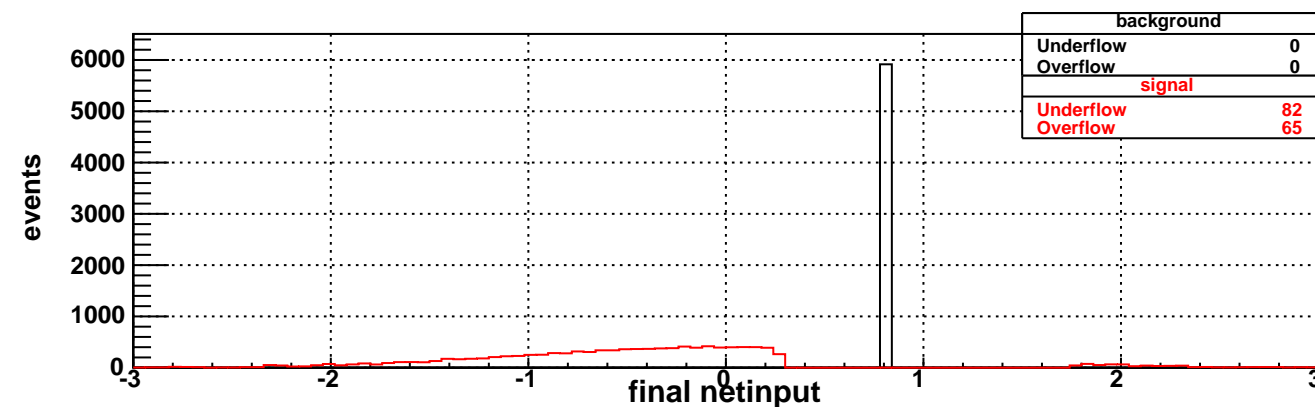
corr. to others 58.90%



flat

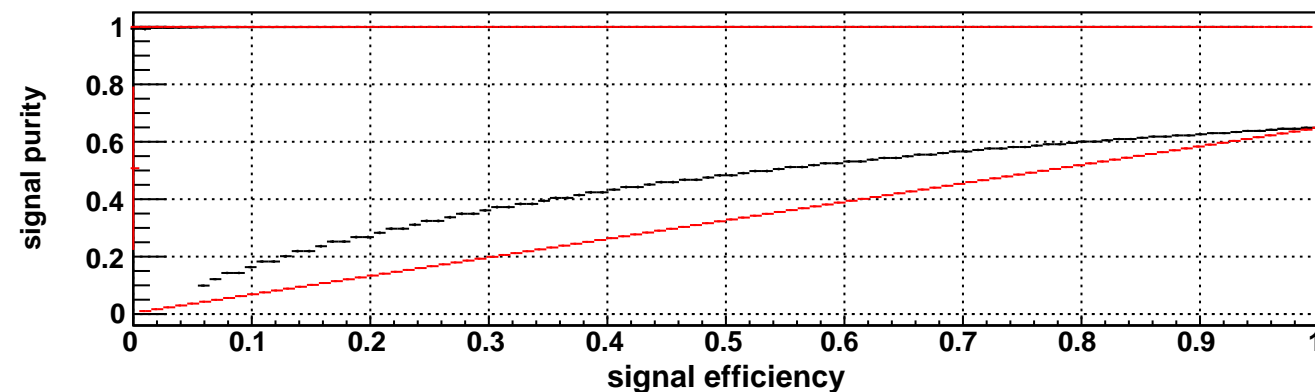


purity



background	
Underflow	0
Overflow	0
signal	
Underflow	82
Overflow	65

final



separation

Input node 12 : sphericity

5th most important

added signi. 21.41

signi. loss 21.97

PrePro: 12 #12

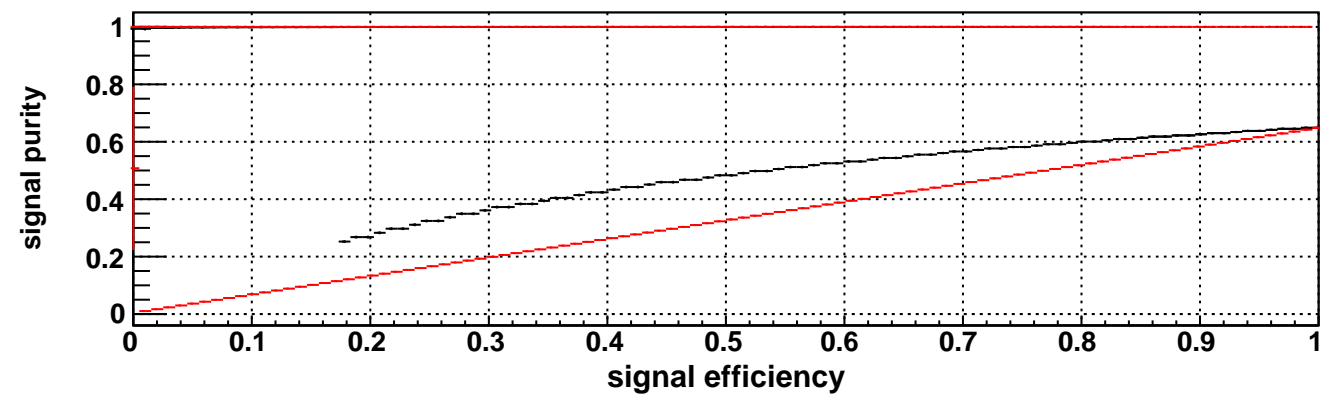
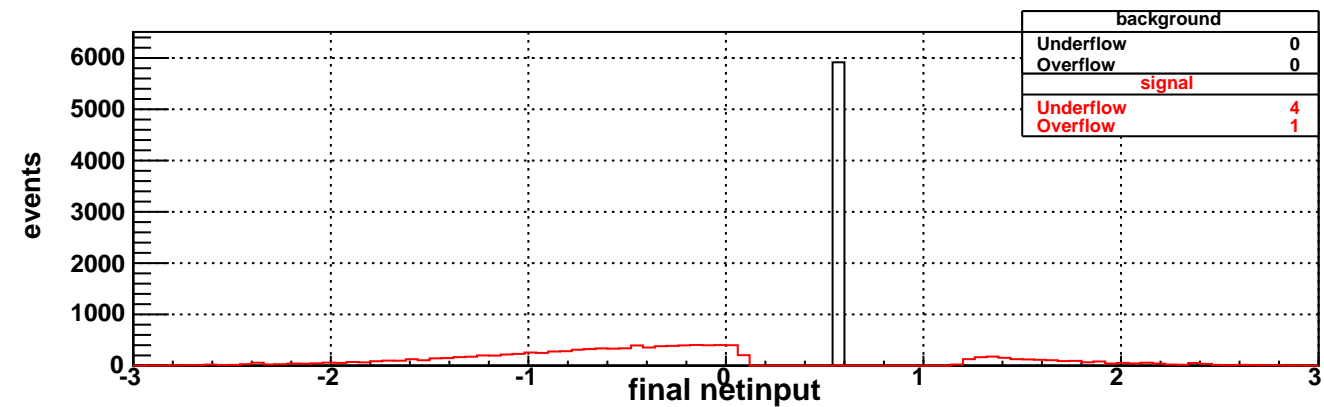
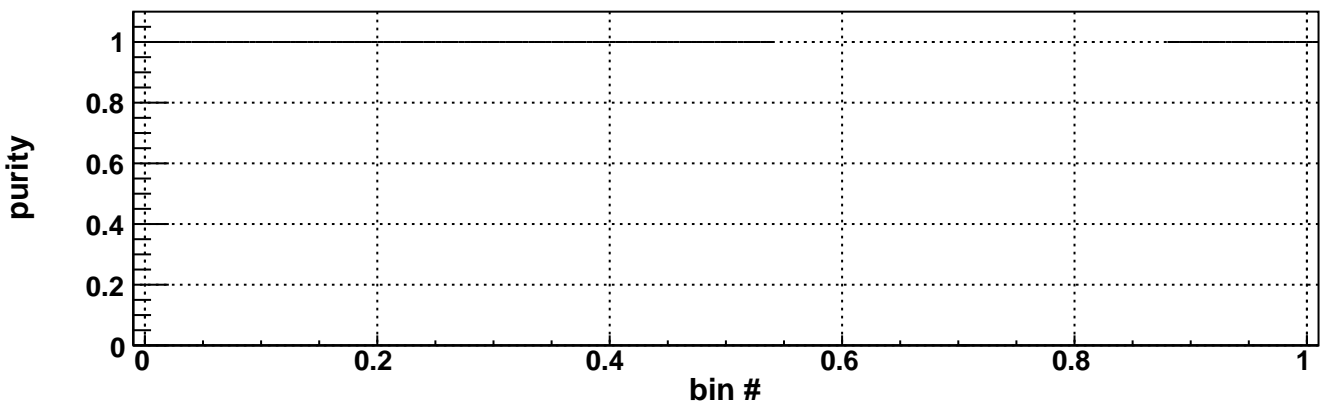
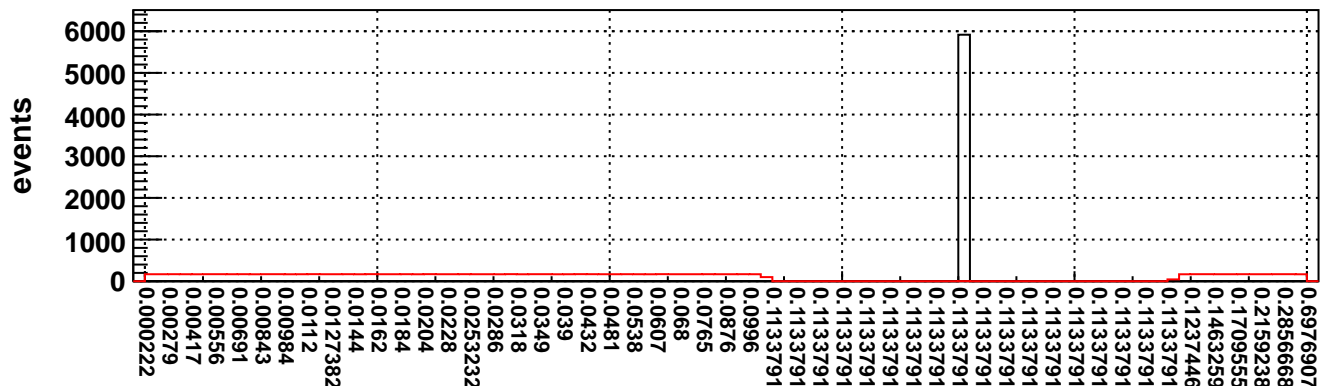
only this 55.91

corr. to others 77.00%



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11

PrePro: 12 #13

only this 71.03

corr. to others 71.60%

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114

PrePro: 12 #3

only this 69.03

corr. to others 82.90%

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11

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PrePro: 12 #11

only this 93.48

corr. to others 92.10%



Input node 4 : jdeta

9th most important

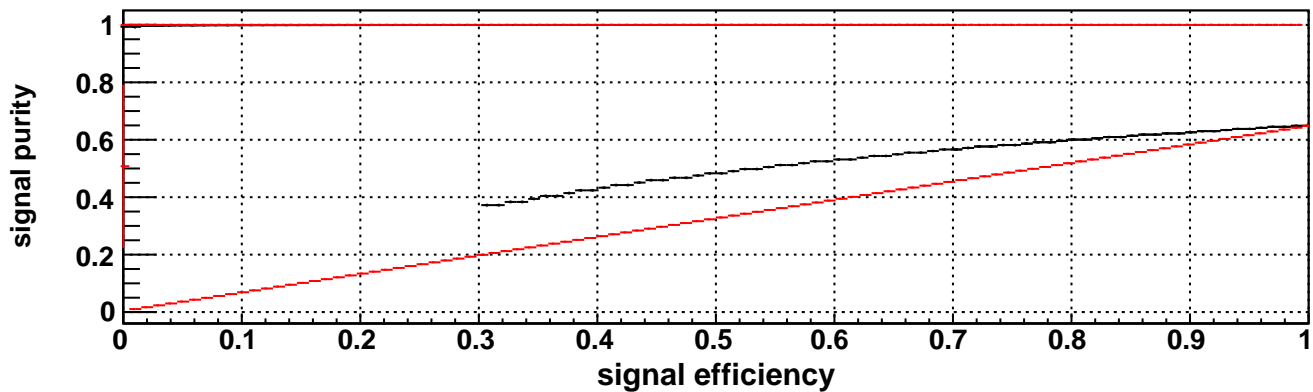
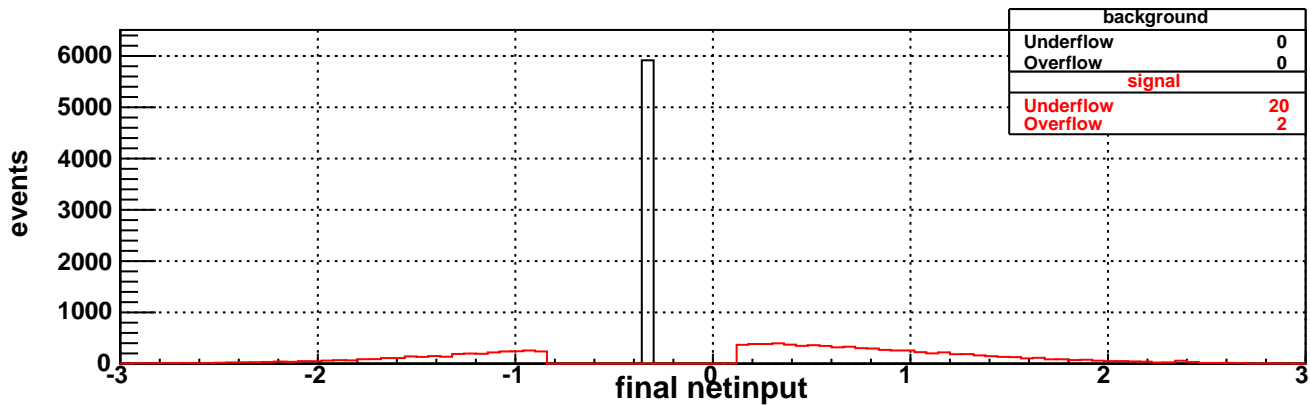
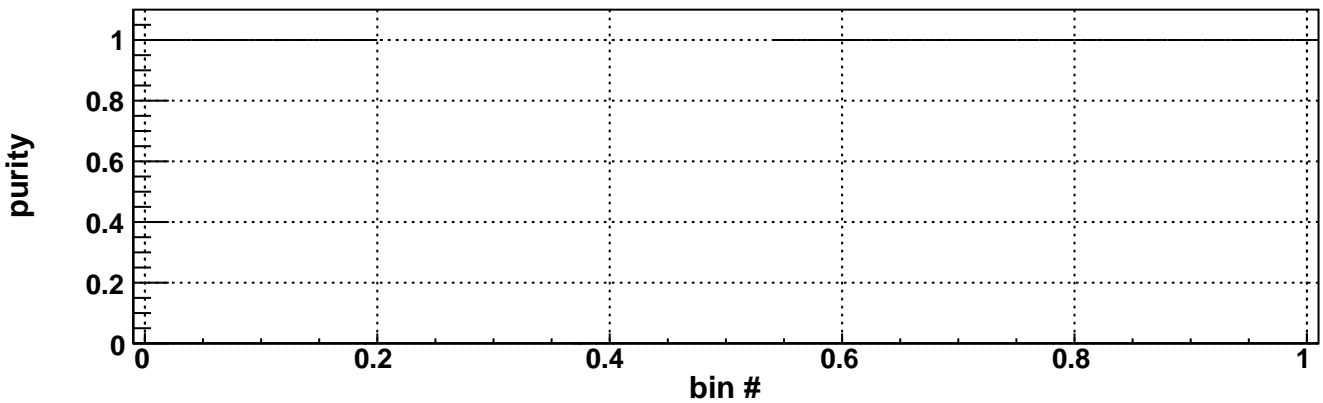
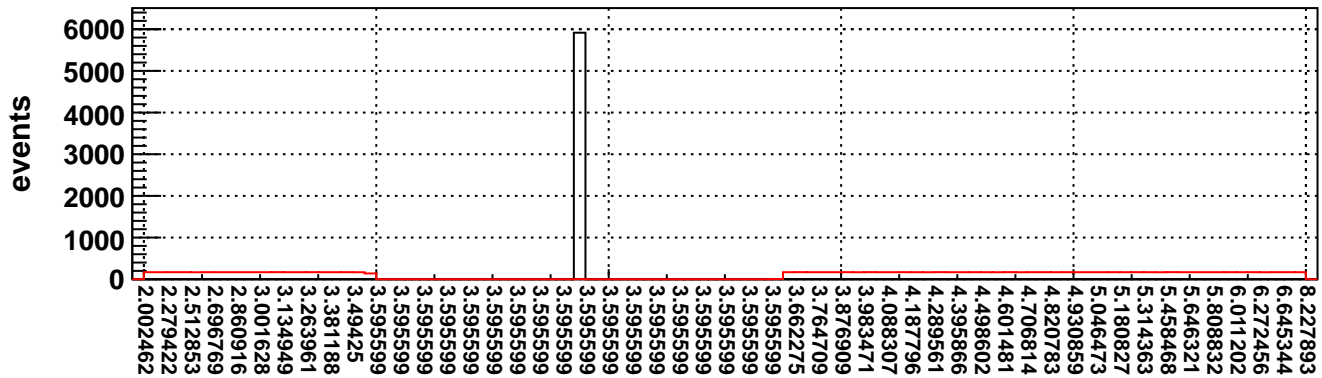
added signi. 8.13

signi. loss 8.69

PrePro: 12 #4

only this 32.27

corr. to others 93.50%



Input node 2 : svfit_mass

10th most important

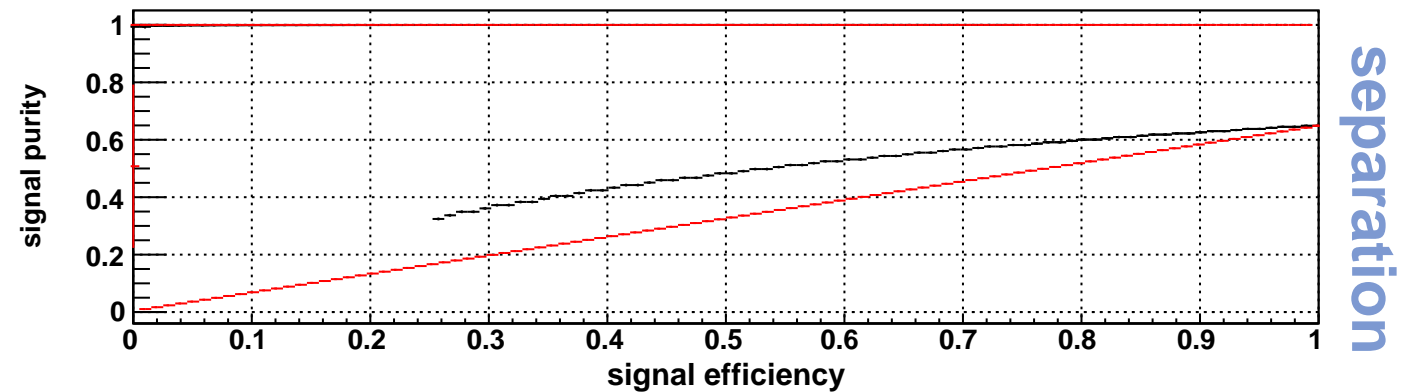
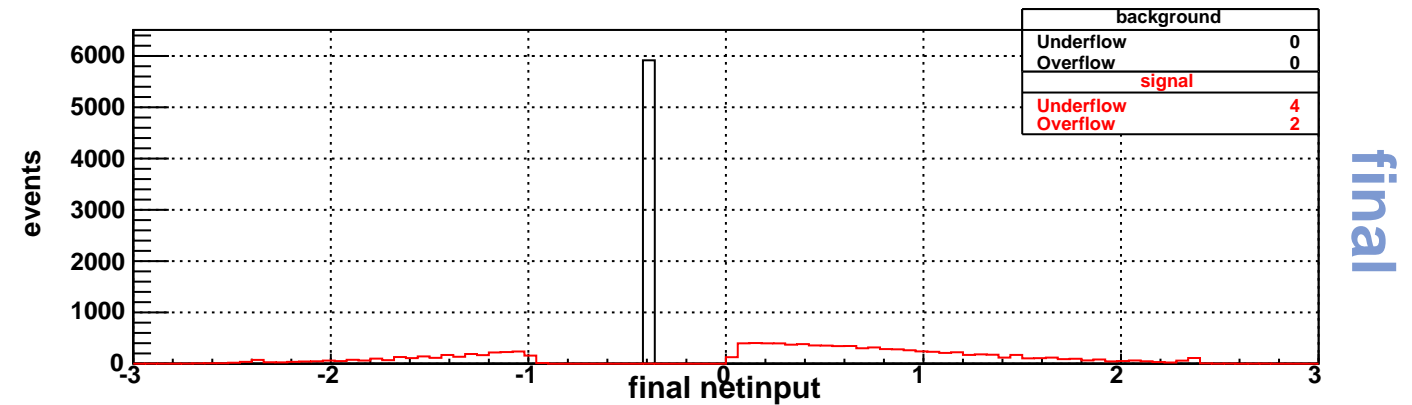
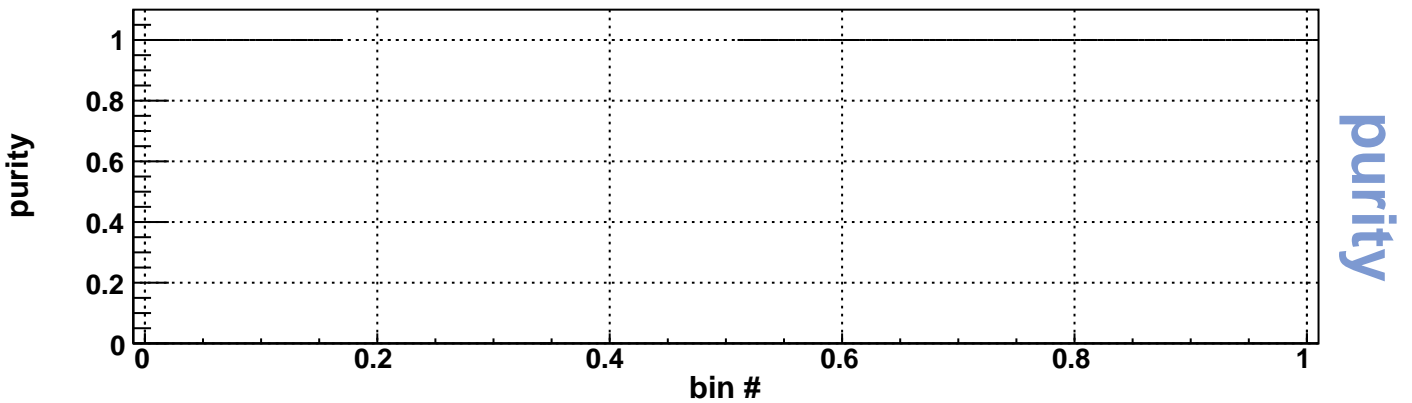
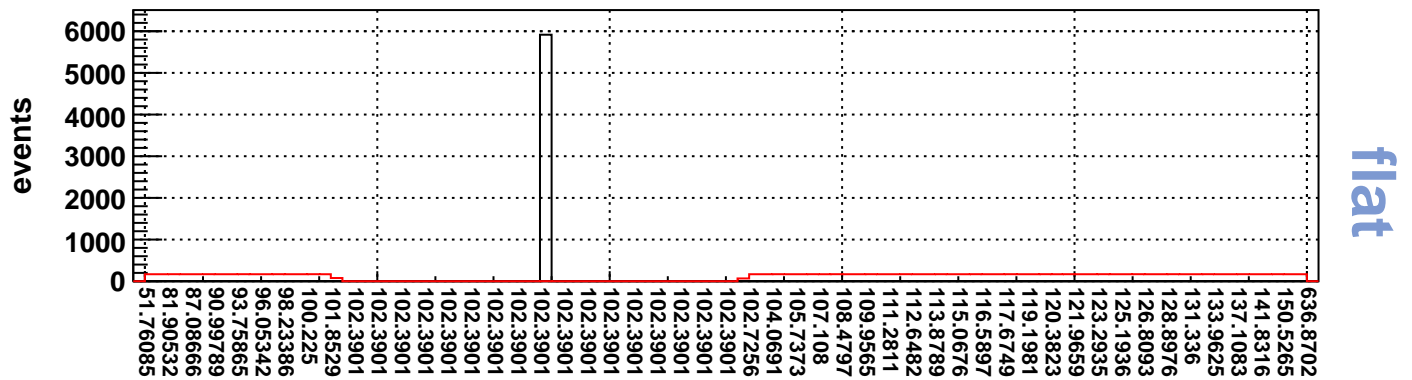
added signi. 7.63

signi. loss 7.52

PrePro: 12 #2

only this 41.19

corr. to others 64.30%



114

PrePro: 12 #10

only this 38.14

corr. to others 41.70%

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background	
Underflow	0
Overflow	0
signal	
Underflow	37
Overflow	54

