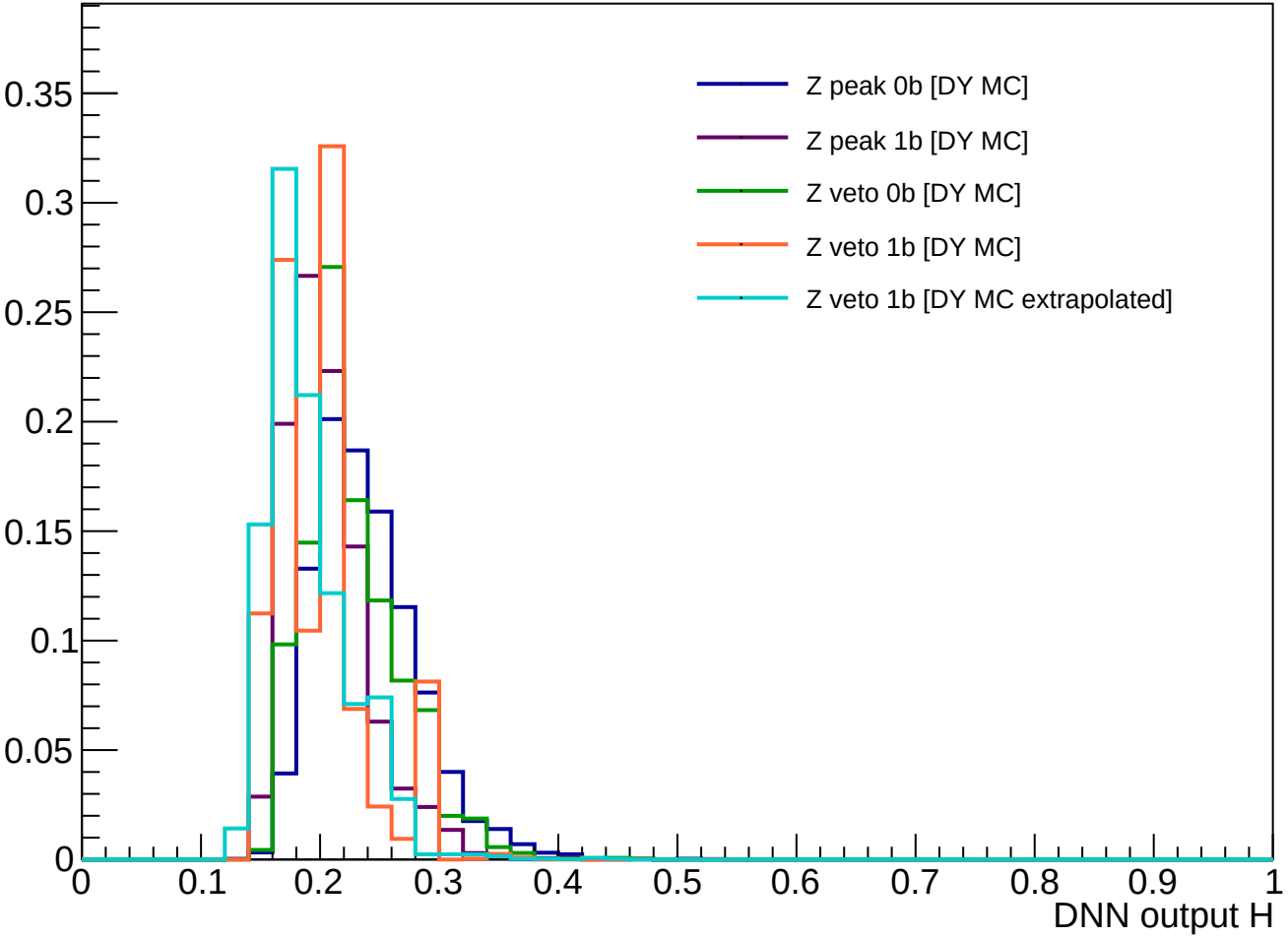
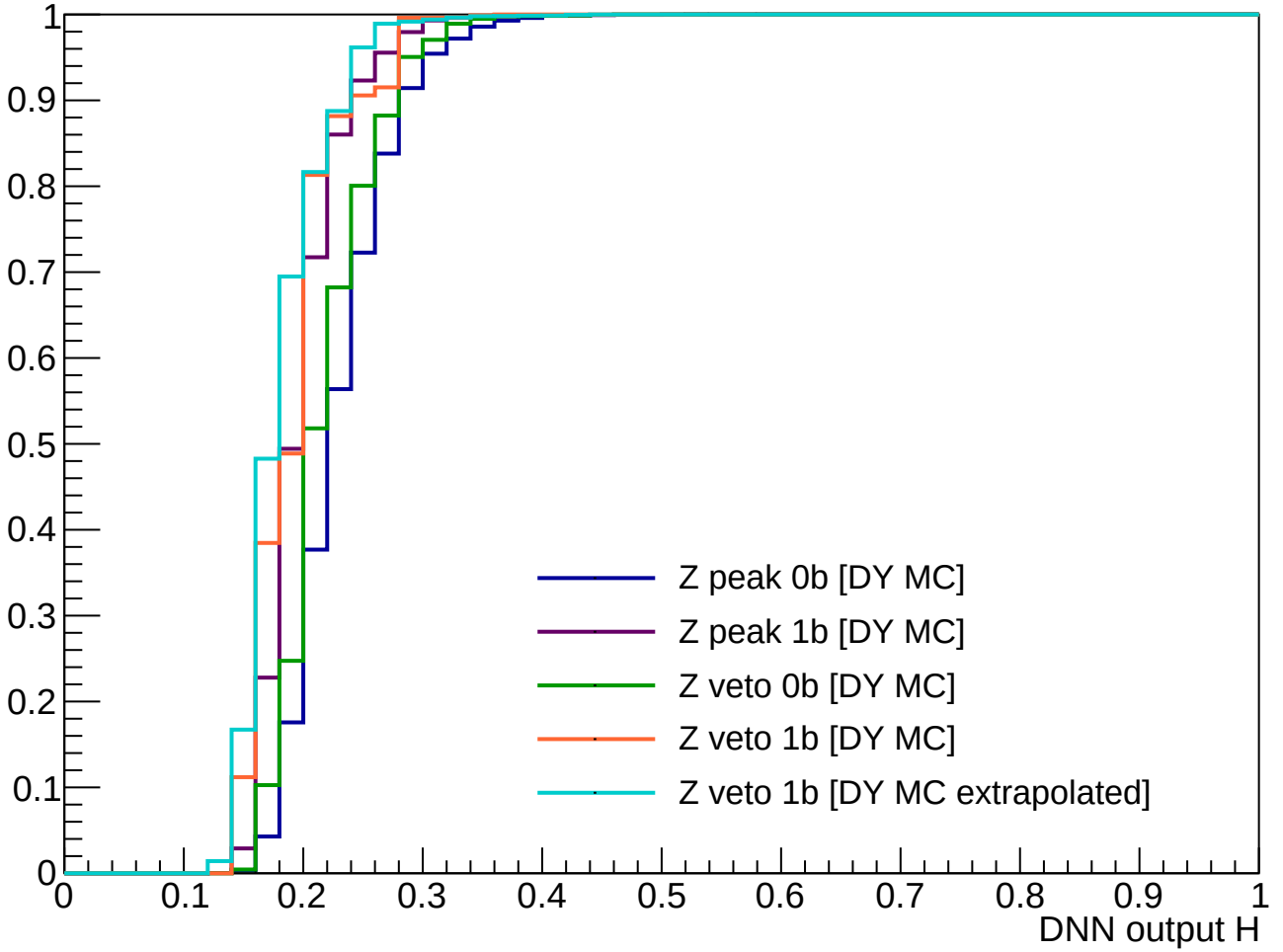
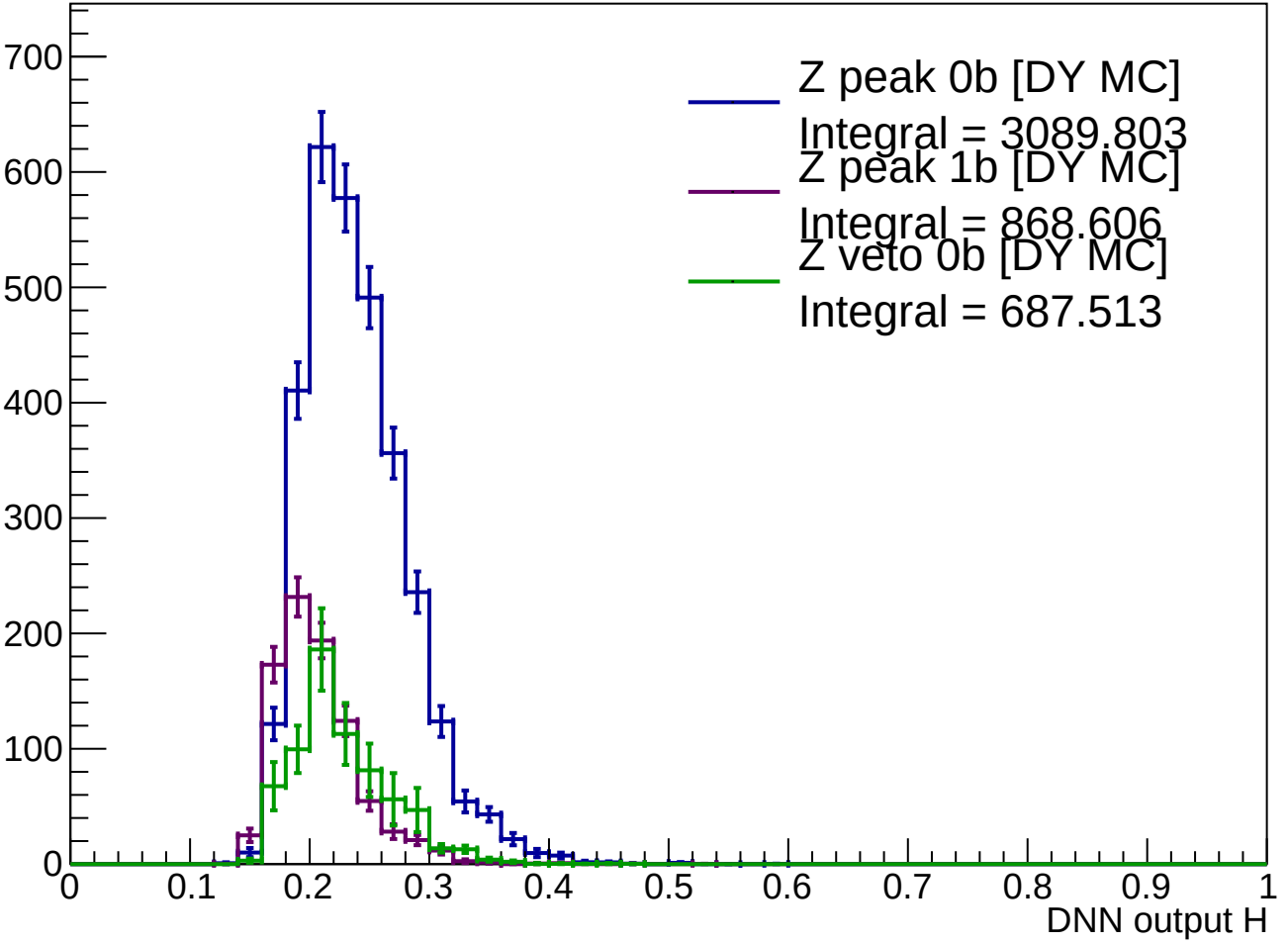
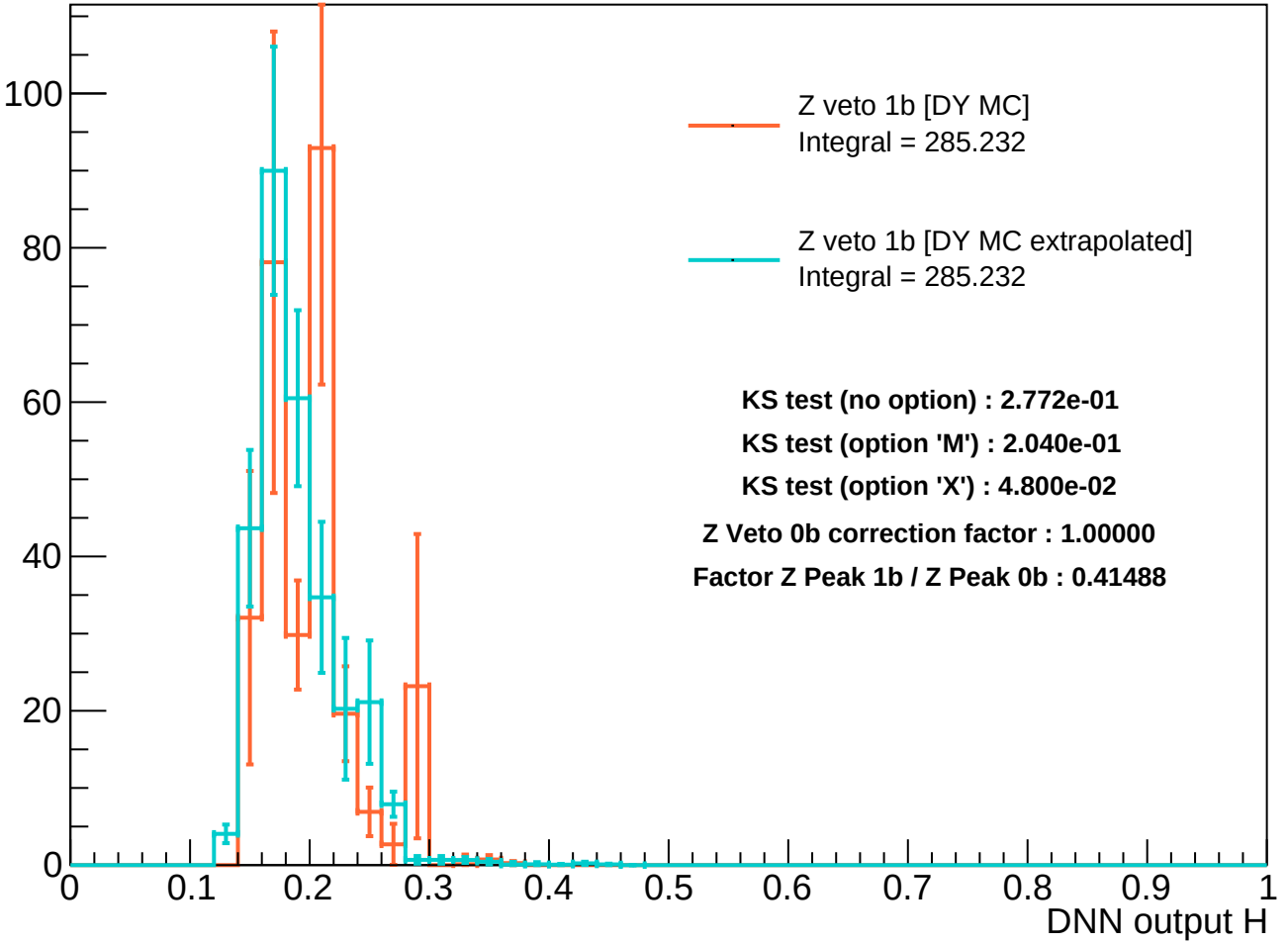
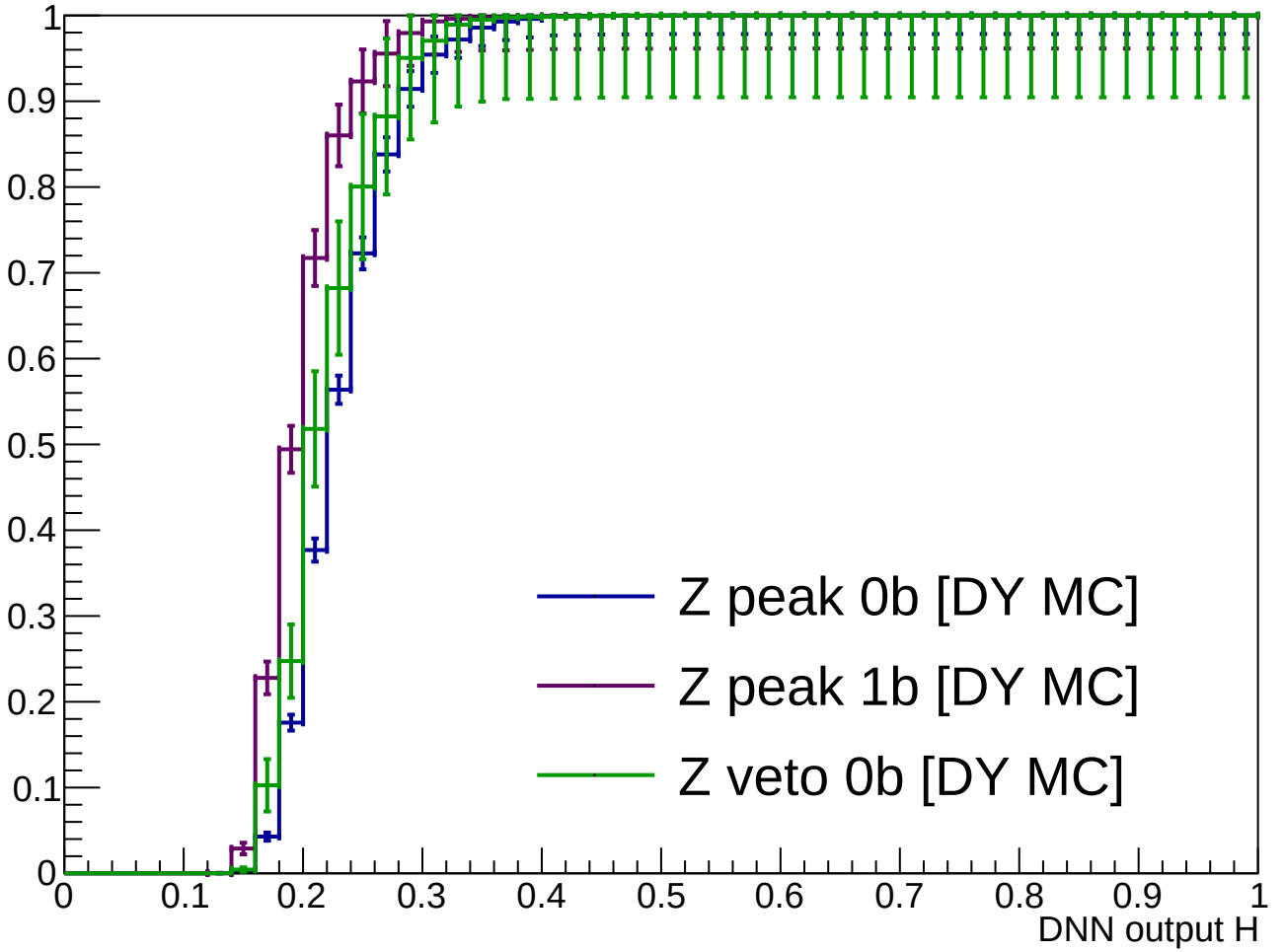
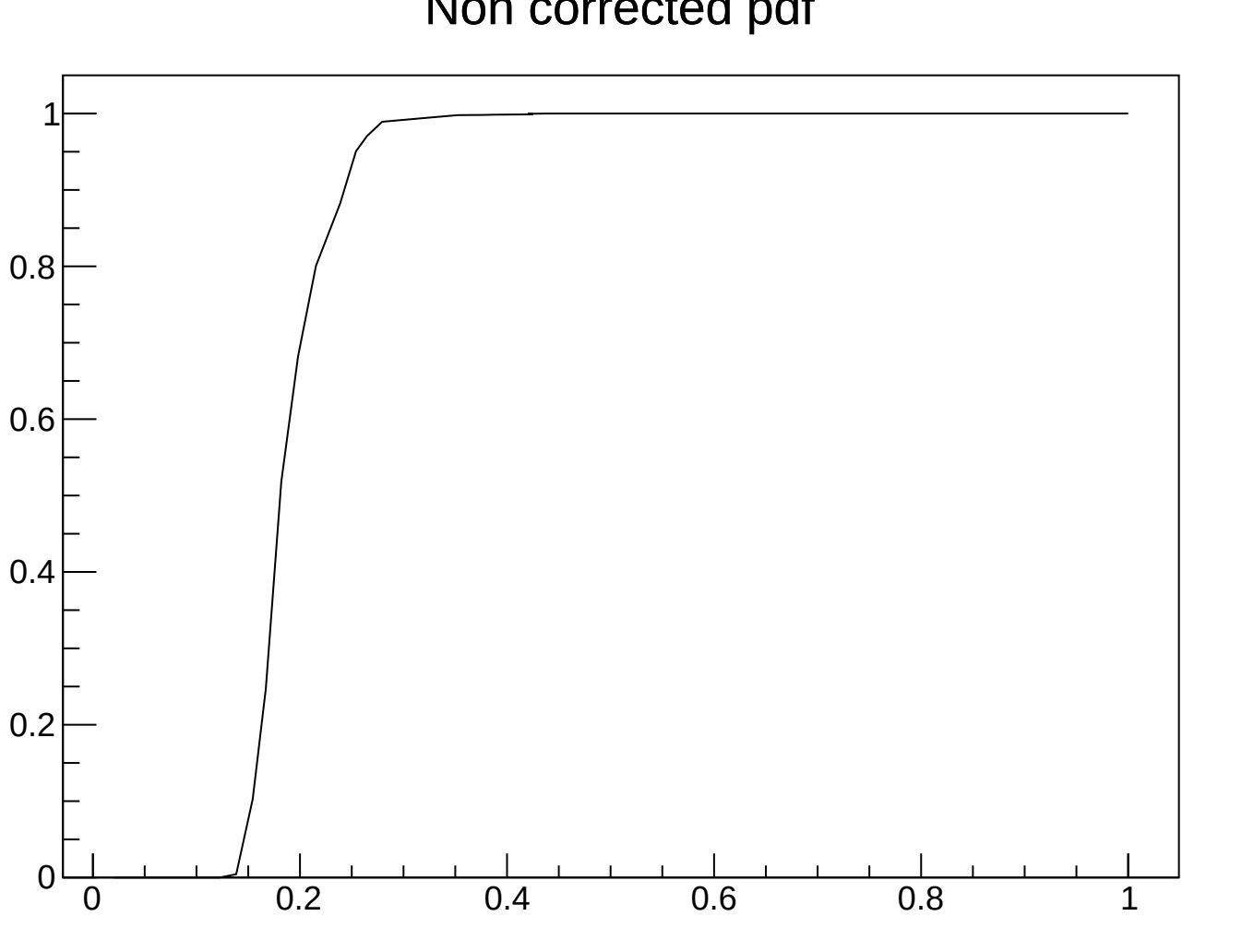

Z peak 0b [DY MC]
Z peak 1b [DY MC]
Z veto 0b [DY MC]
Z veto 1b [DY MC]
Z veto 1b [DY MC extrapolated]
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
DNN output H

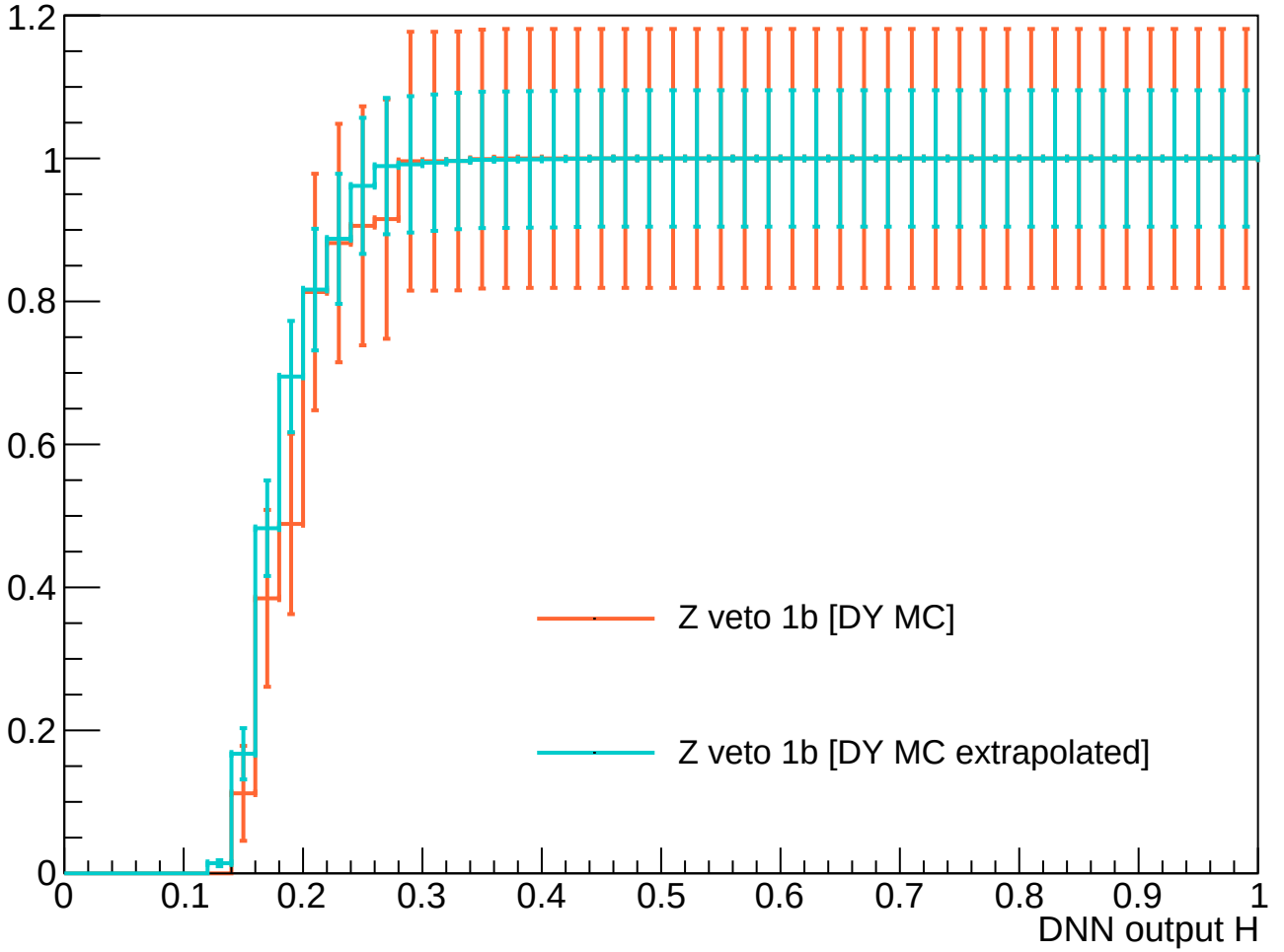

1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
DNN output H
Z peak 0b [DY MC]
Z peak 1b [DY MC]
Z veto 0b [DY MC]
Z veto 1b [DY MC]
Z veto 1b [DY MC extrapolated]

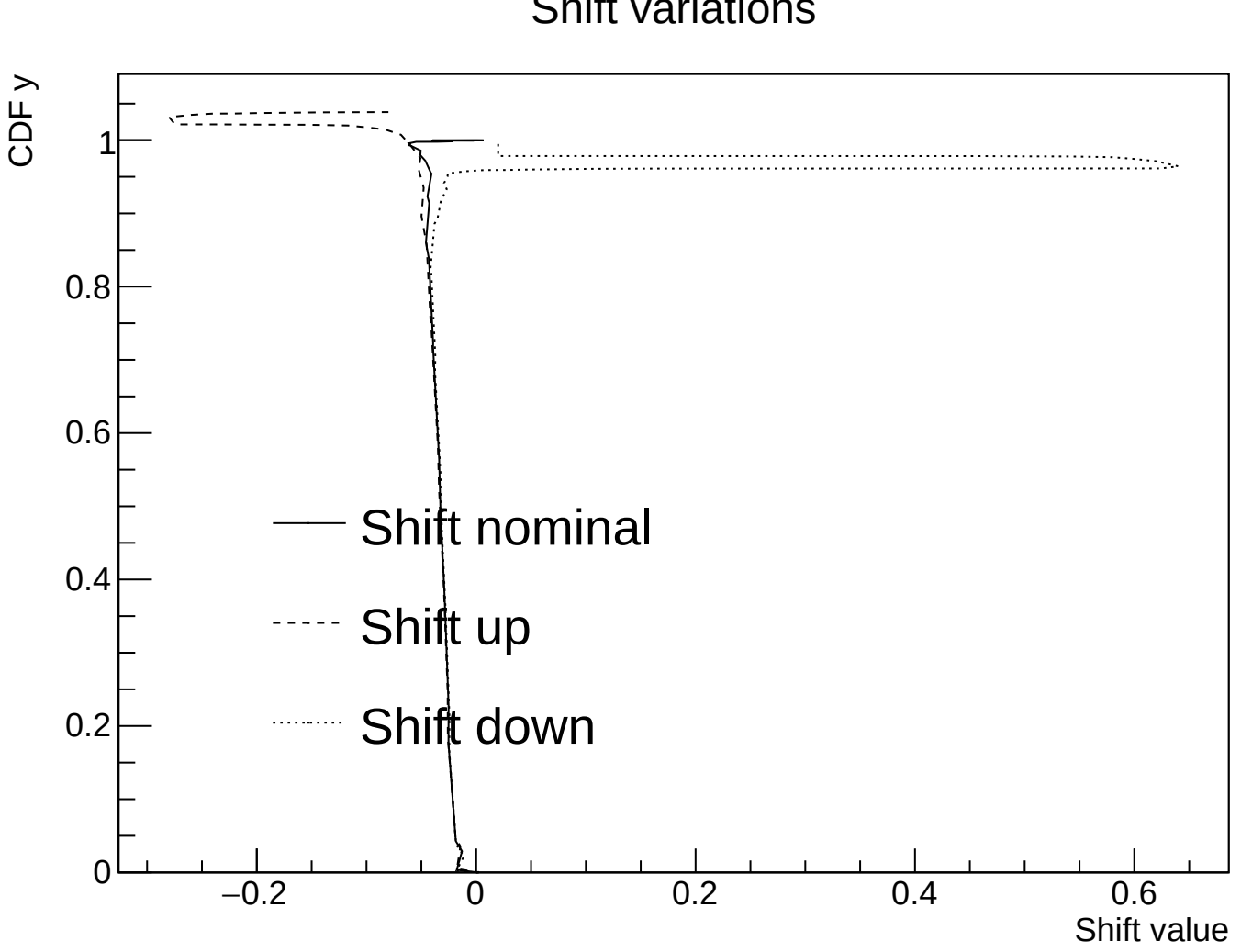

Z peak 0b [DY MC]
Integral = 3089.803
Z peak 1b [DY MC]
Integral = 868.606
Z veto 0b [DY MC]
Integral = 687.513
700
600
500
400
300
200
100
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
DNN output H

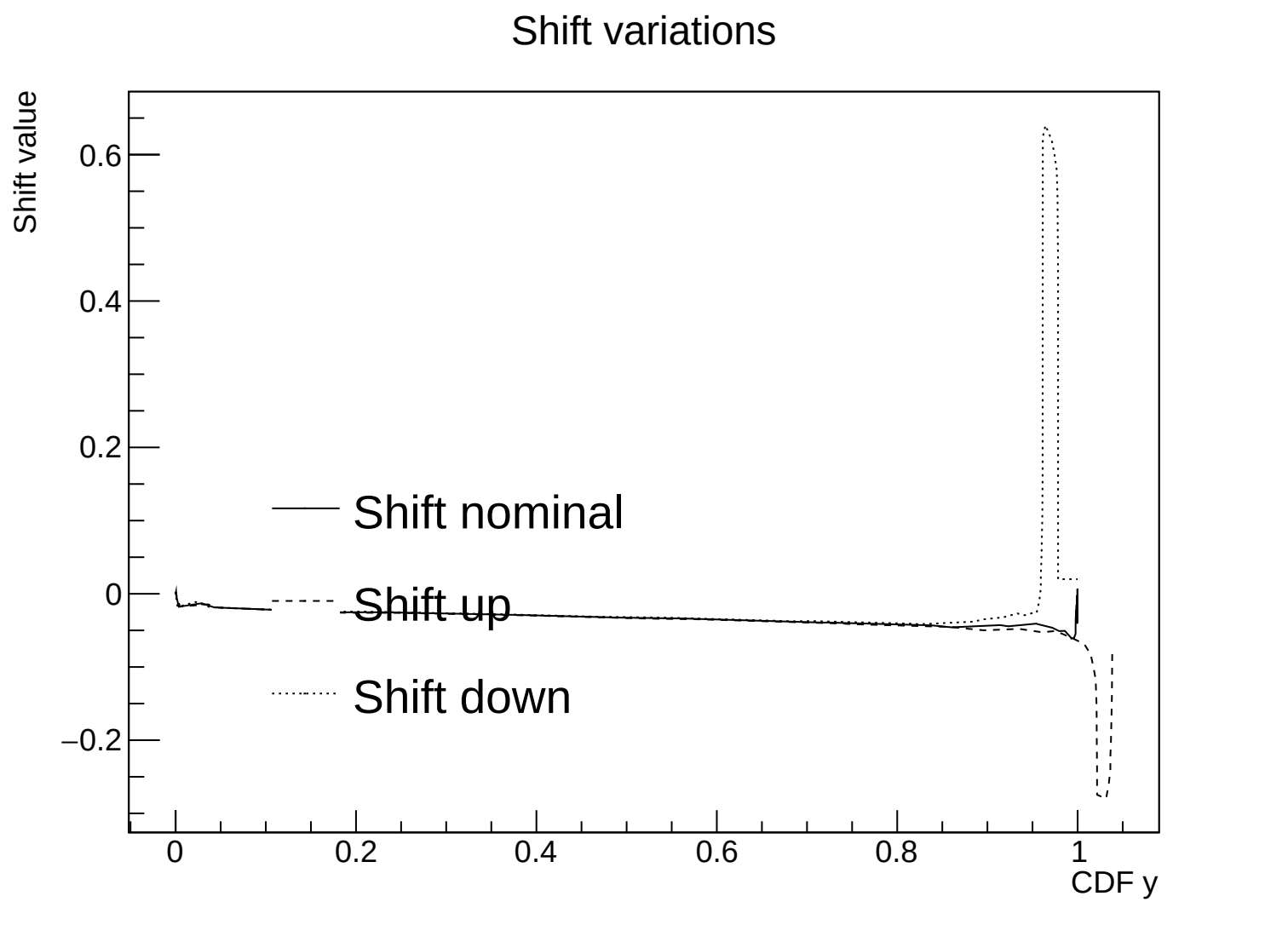

Z veto 1b [DY MC]
Integral = 285.232
Z veto 1b [DY MC extrapolated]
Integral = 285.232
KS test (no option) : 2.772e-01
KS test (option 'M') : 2.040e-01
KS test (option 'X') : 4.800e-02
Z Veto 0b correction factor : 1.00000
Factor Z Peak 1b / Z Peak 0b : 0.41488
100
80
60
40
20
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
DNN output H

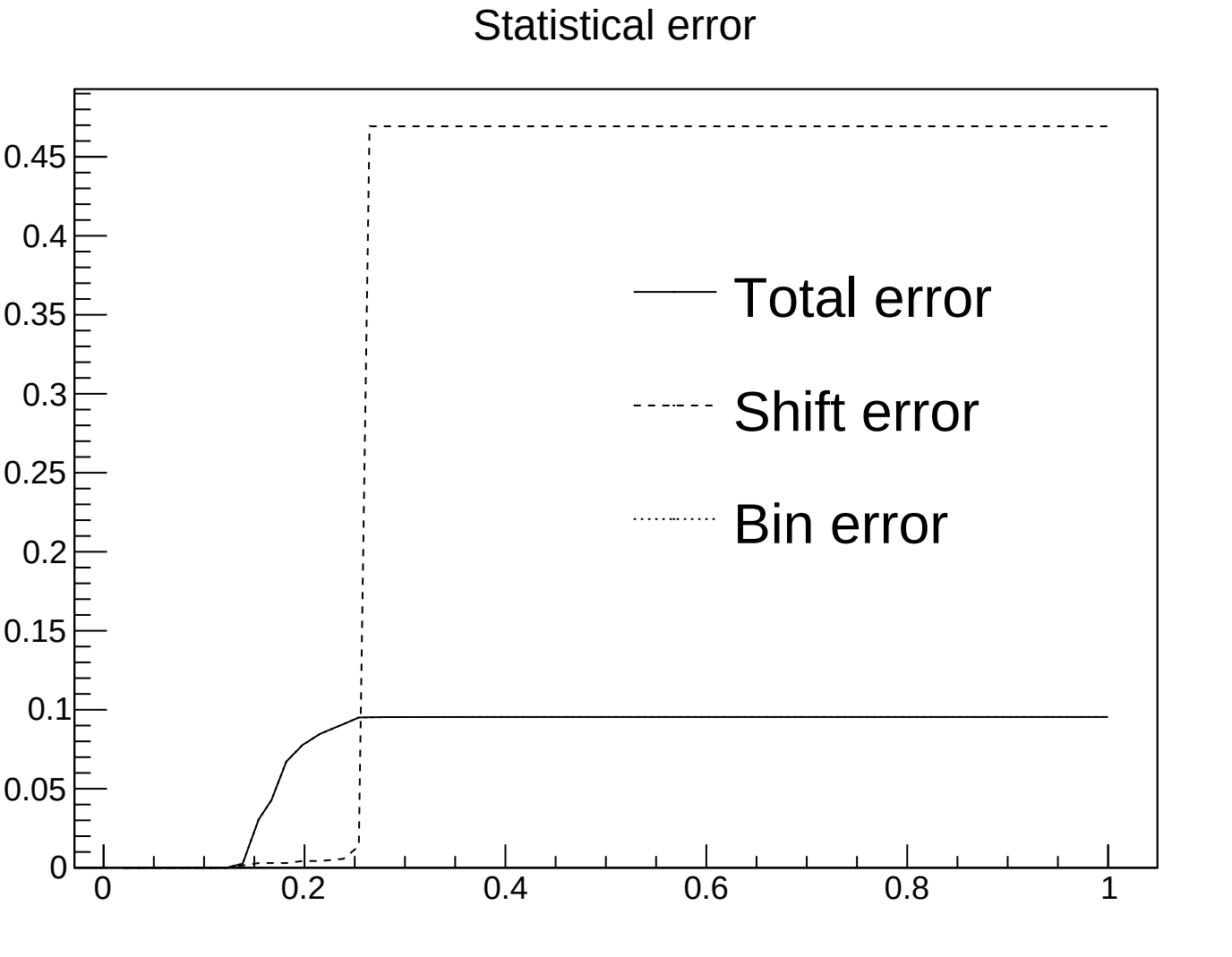

1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
DNN output H
Z peak 0b [DY MC]
Z peak 1b [DY MC]
Z veto 0b [DY MC]


Non corrected pdf
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1


1.2
1
0.8
0.6
0.4
0.2
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
DNN output H
Z veto 1b [DY MC]
Z veto 1b [DY MC extrapolated]


Shift variations
CDF y
1
0.8
0.6
0.4
0.2
0
−0.2
0
0.2
0.4
0.6
Shift value
Shift nominal
Shift up
Shift down


Shift variations
Shift value
0.6
0.4
0.2
0
−0.2
Shift nominal
Shift up
Shift down
0
0.2
0.4
0.6
0.8
1
CDF y


Statistical error
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
0.2
0.4
0.6
0.8
1
Total error
Shift error
Bin error