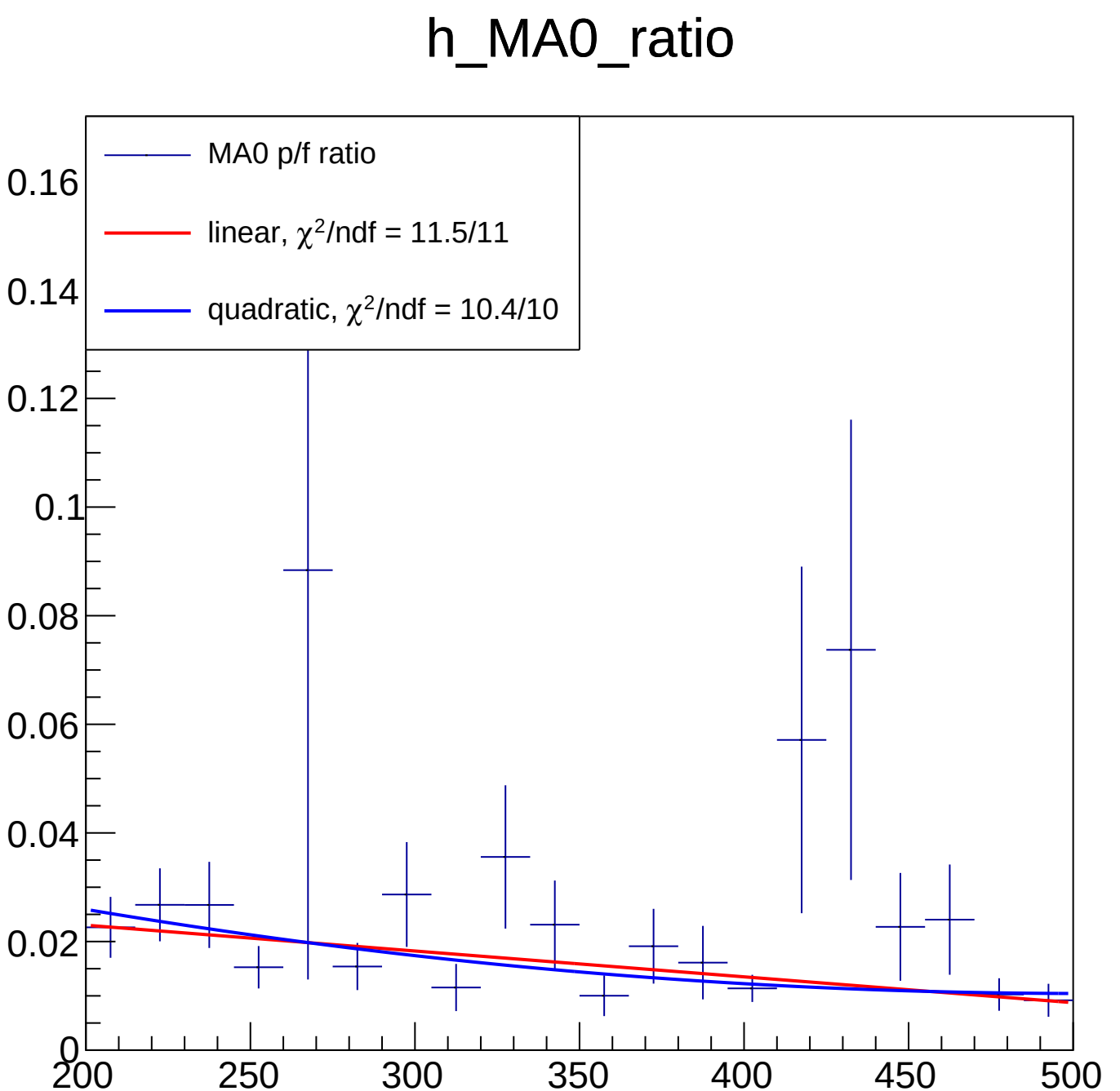
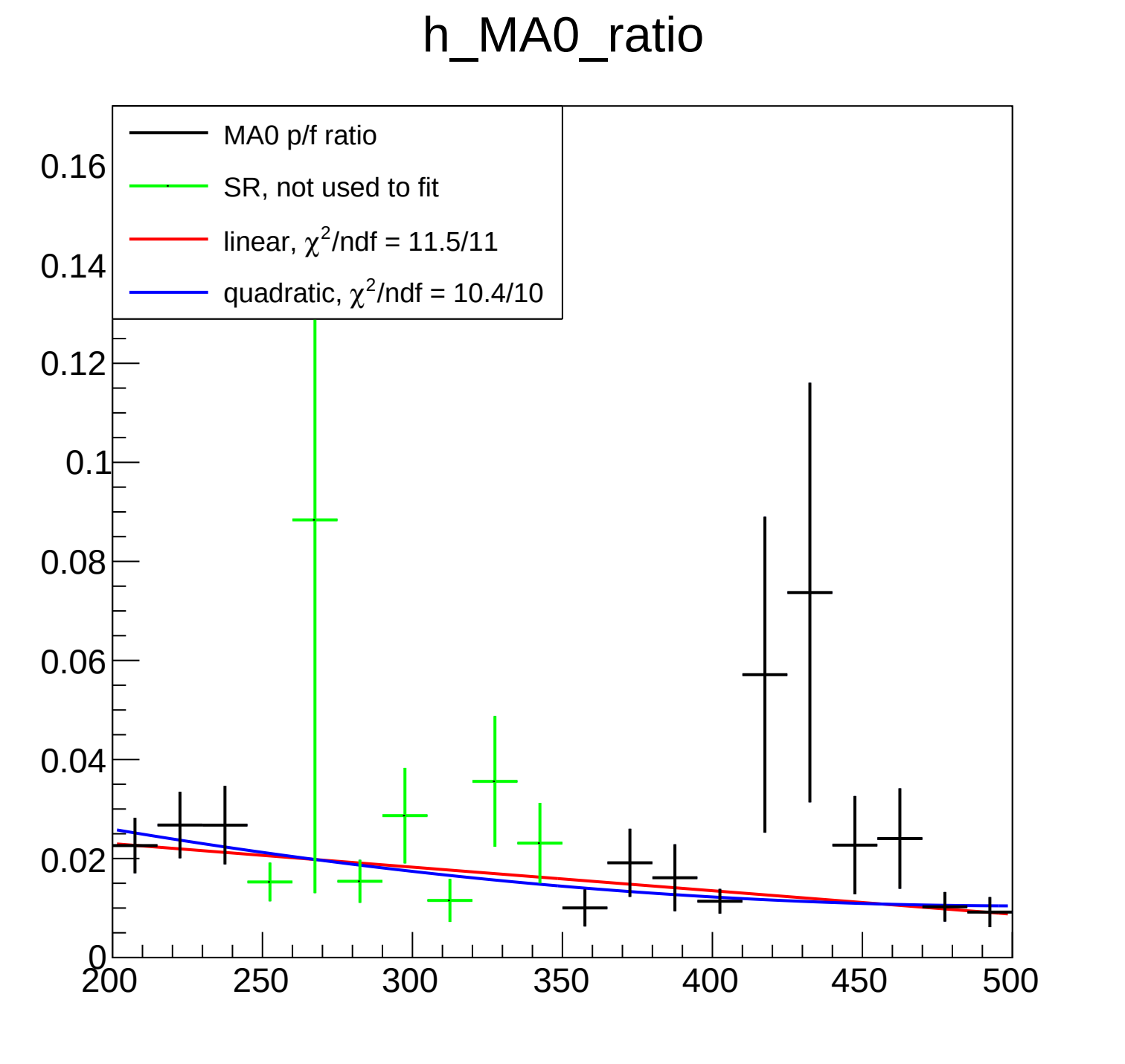
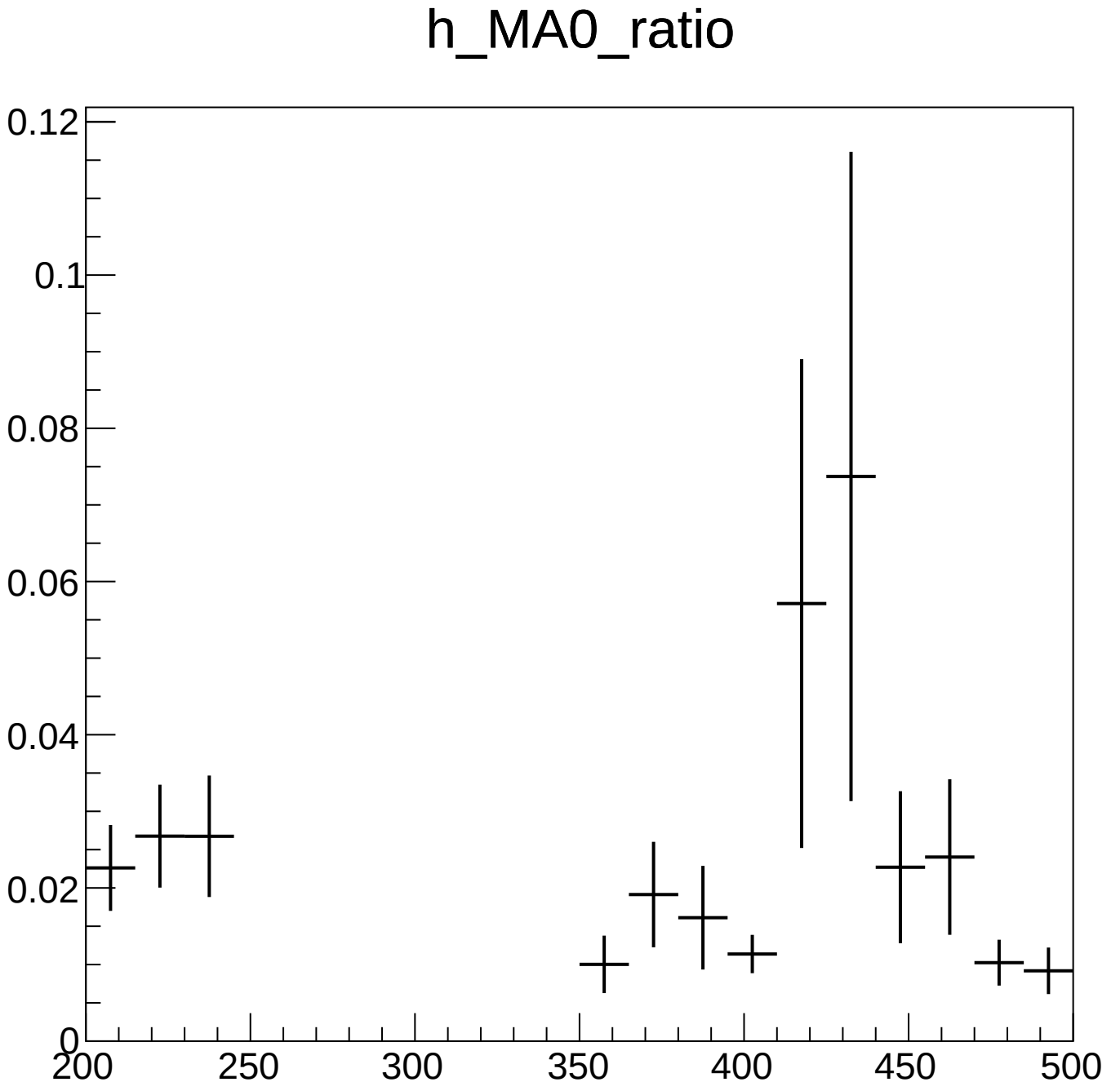
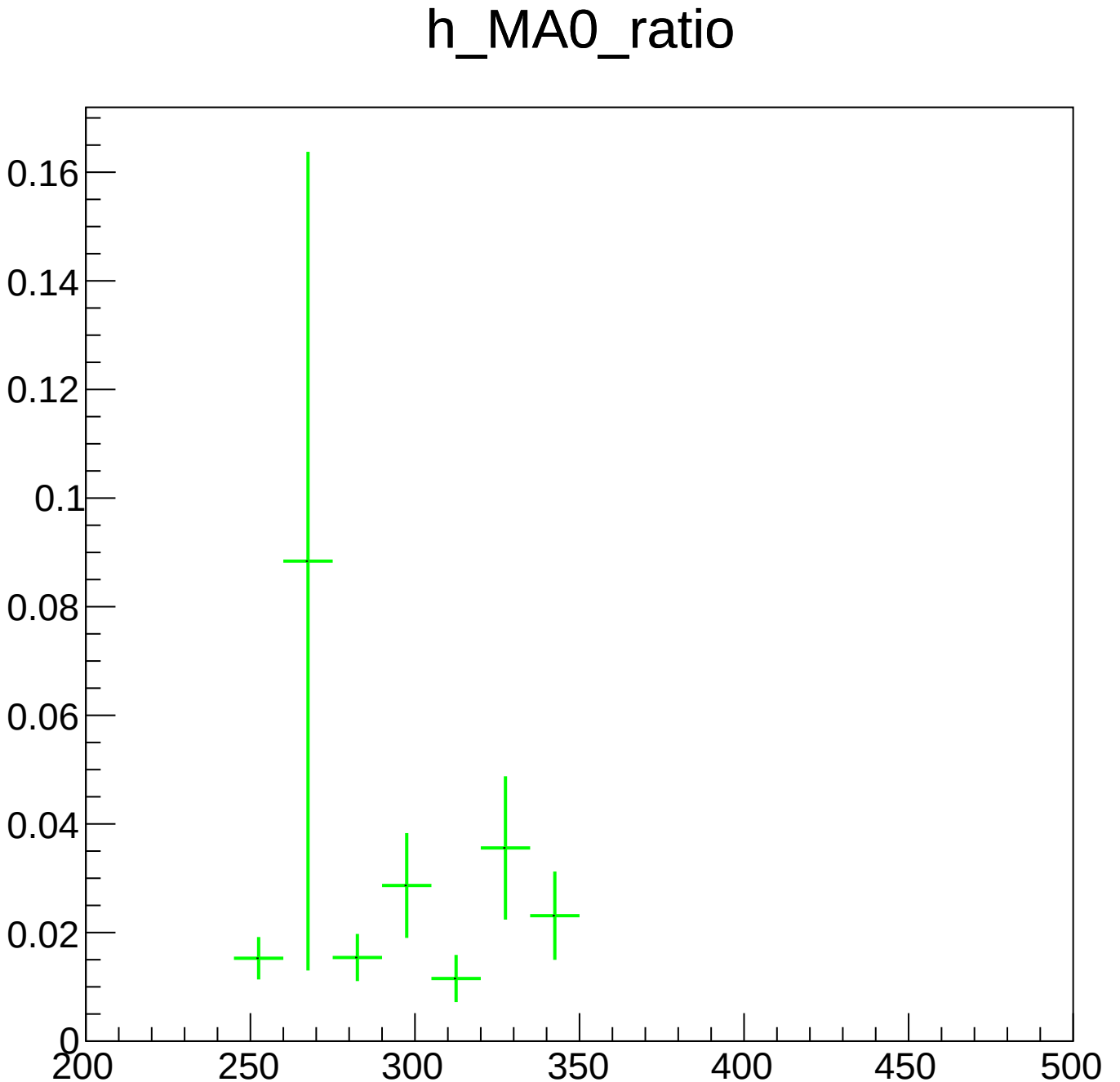
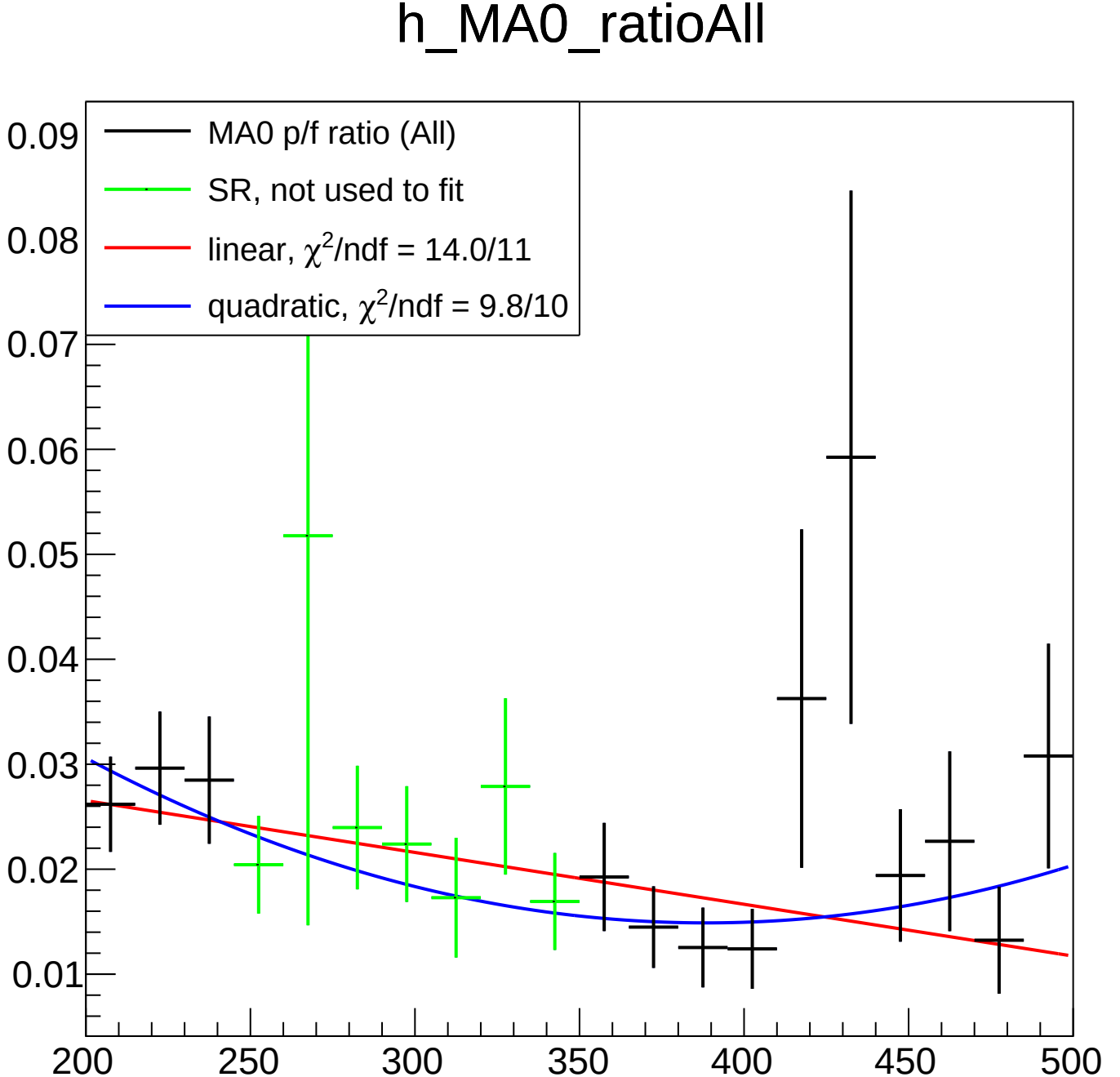
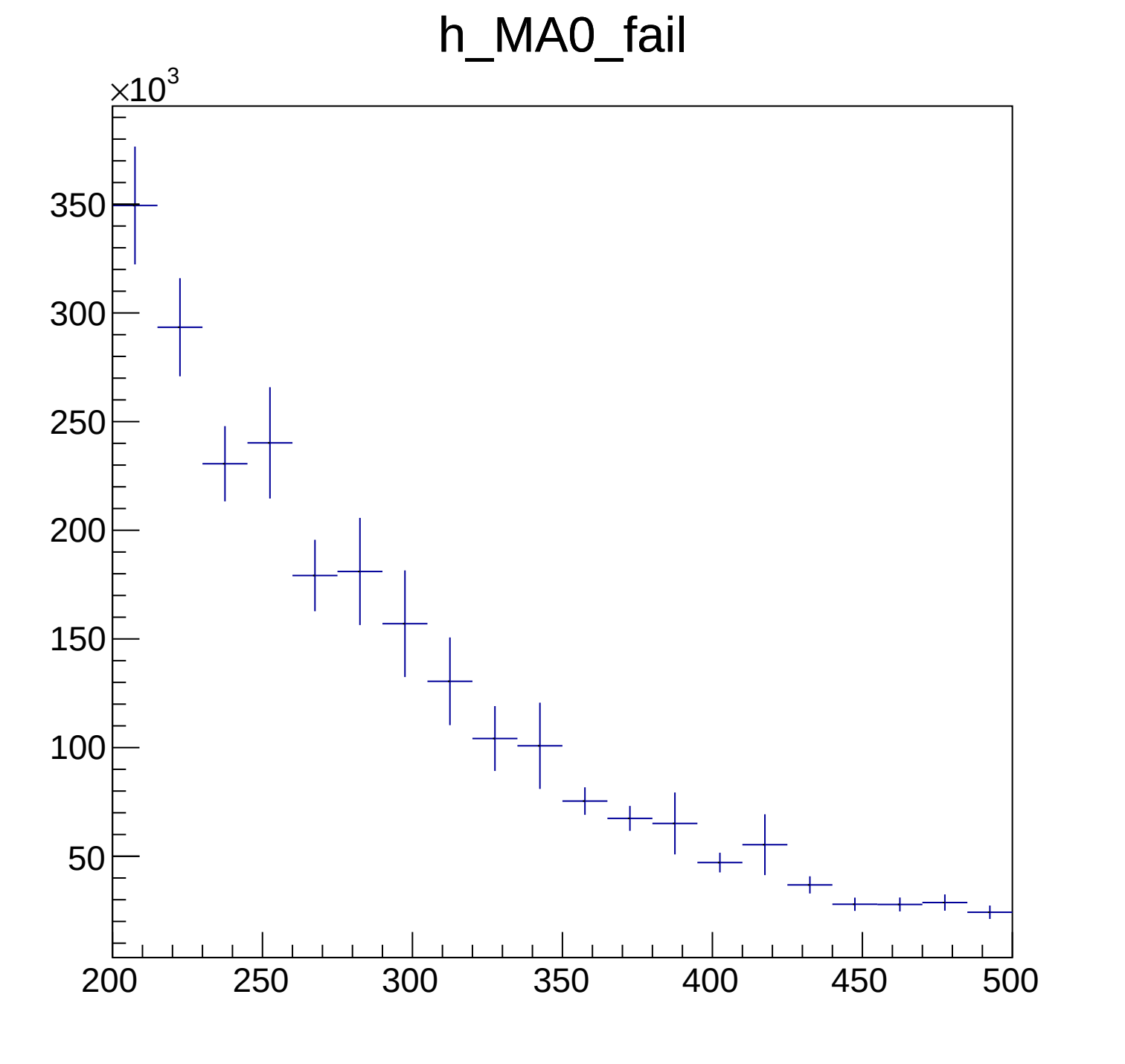

h_MA0_ratio
MA0 p/f ratio
linear, χ²/ndf = 11.5/11
quadratic, χ²/ndf = 10.4/10
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
200
250
300
350
400
450
500

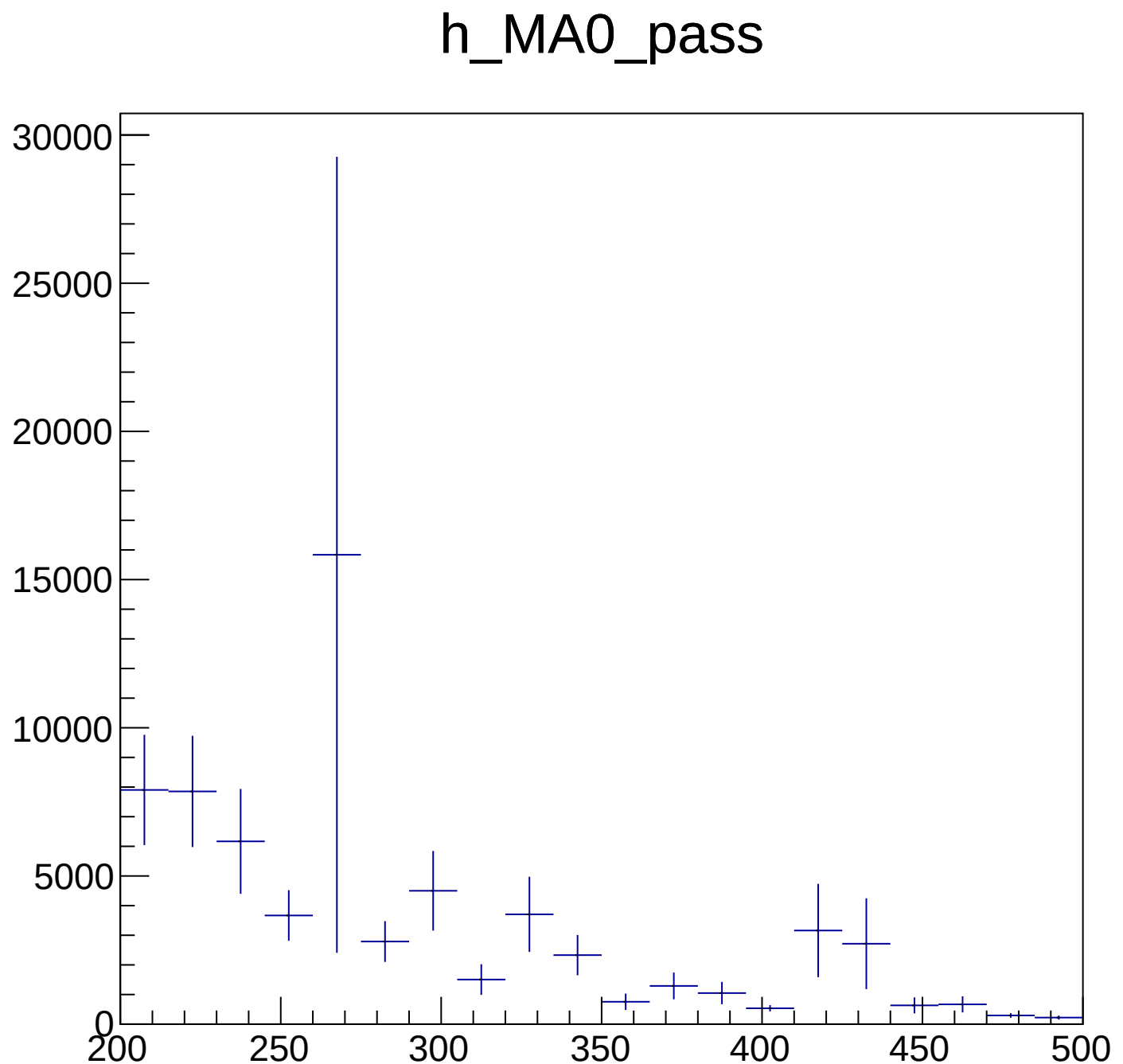

h_MA0_ratio
MA0 p/f ratio
SR, not used to fit
linear, χ²/ndf = 11.5/11
quadratic, χ²/ndf = 10.4/10
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
200
250
300
350
400
450
500

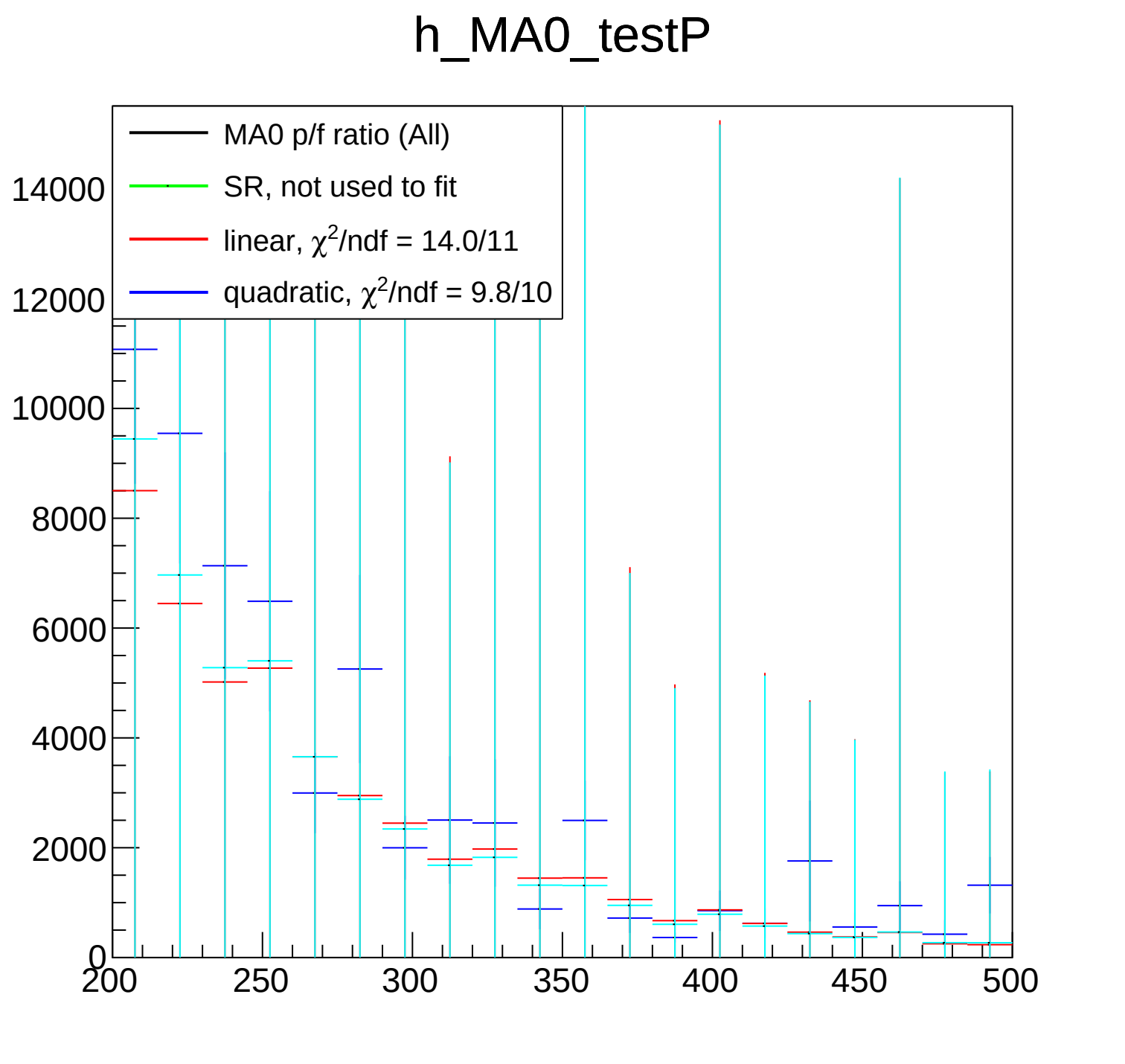

h_MA0_ratio
0.12
0.1
0.08
0.06
0.04
0.02
0
200
250
300
350
400
450
500

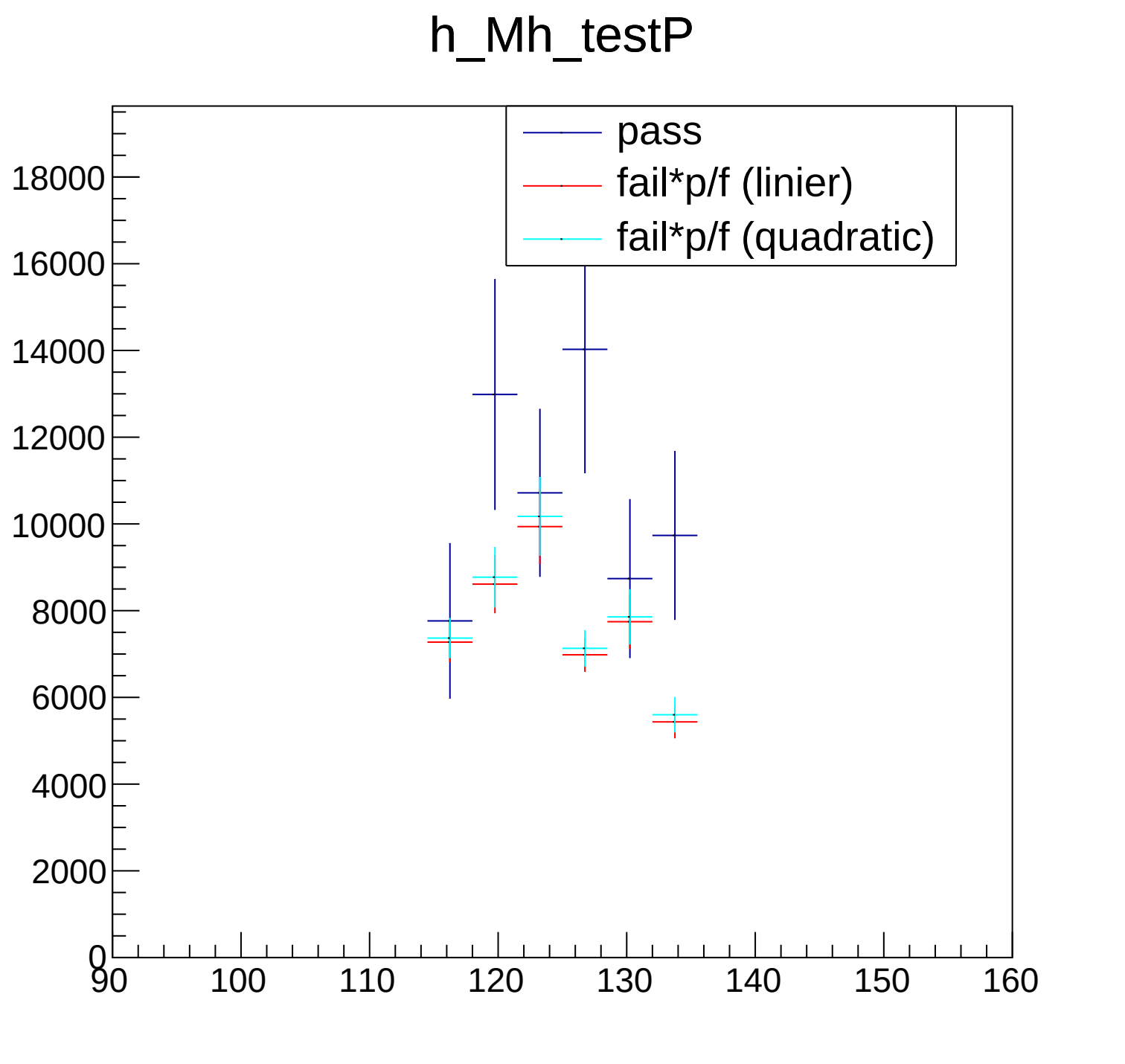

h_MA0_ratio
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
200
250
300
350
400
450
500

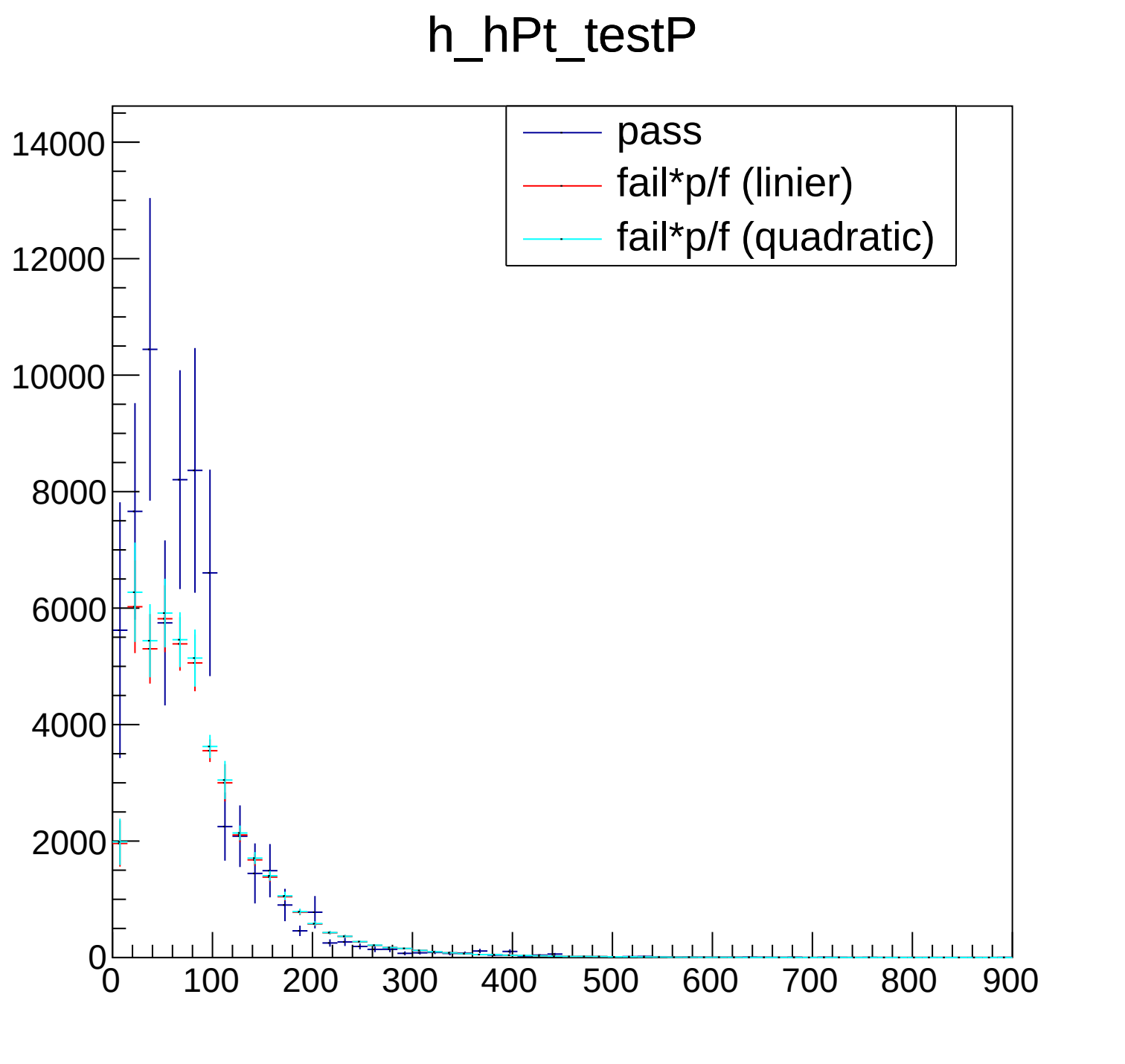

h_MA0_ratioAll
MA0 p/f ratio (All)
SR, not used to fit
linear, χ2/ndf = 14.0/11
quadratic, χ2/ndf = 9.8/10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
200
250
300
350
400
450
500

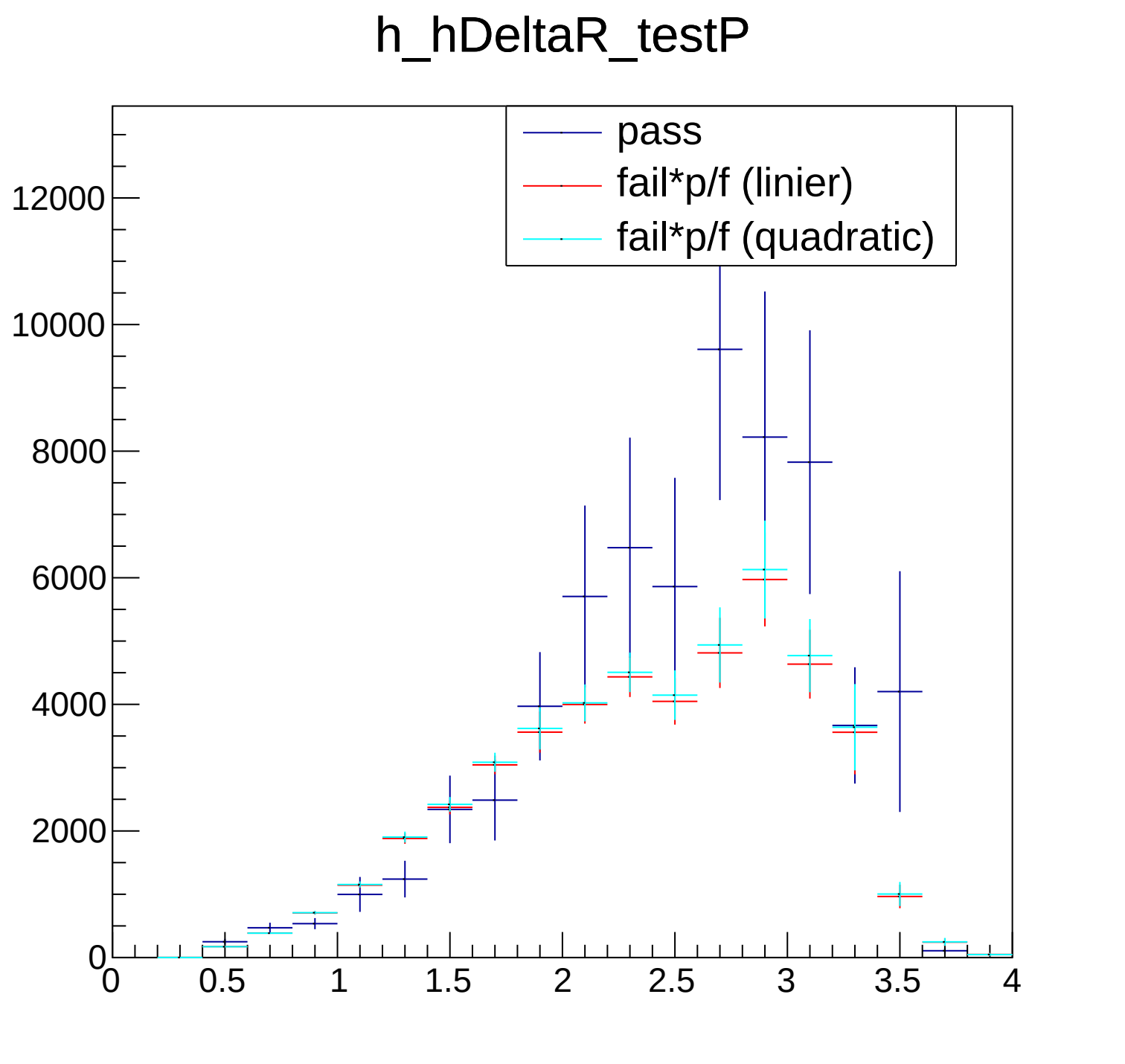

h_MA0_fail
×10^3
350
300
250
200
150
100
50
200
250
300
350
400
450
500

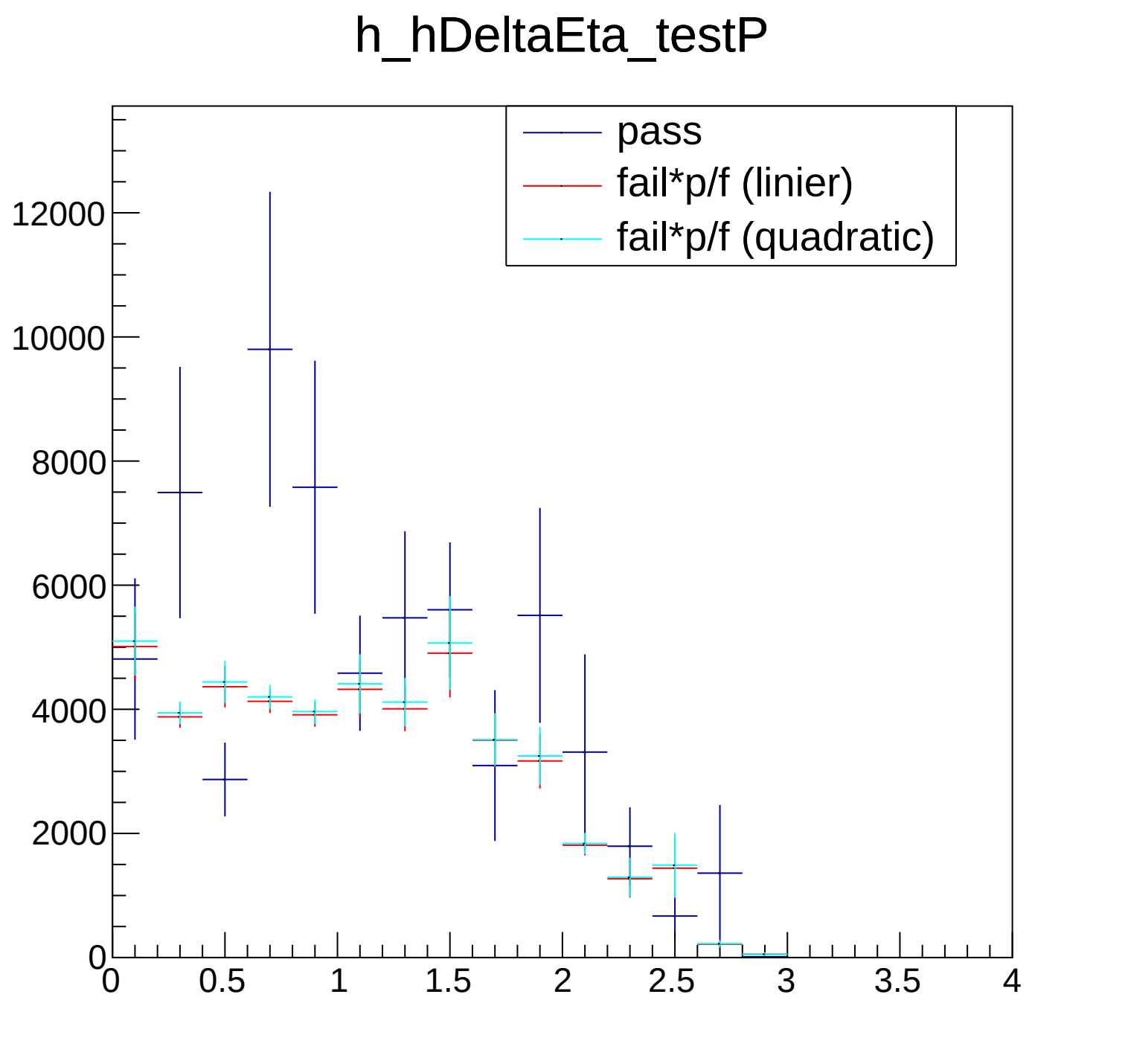

h_MA0_pass
30000
25000
20000
15000
10000
5000
0
200
250
300
350
400
450
500

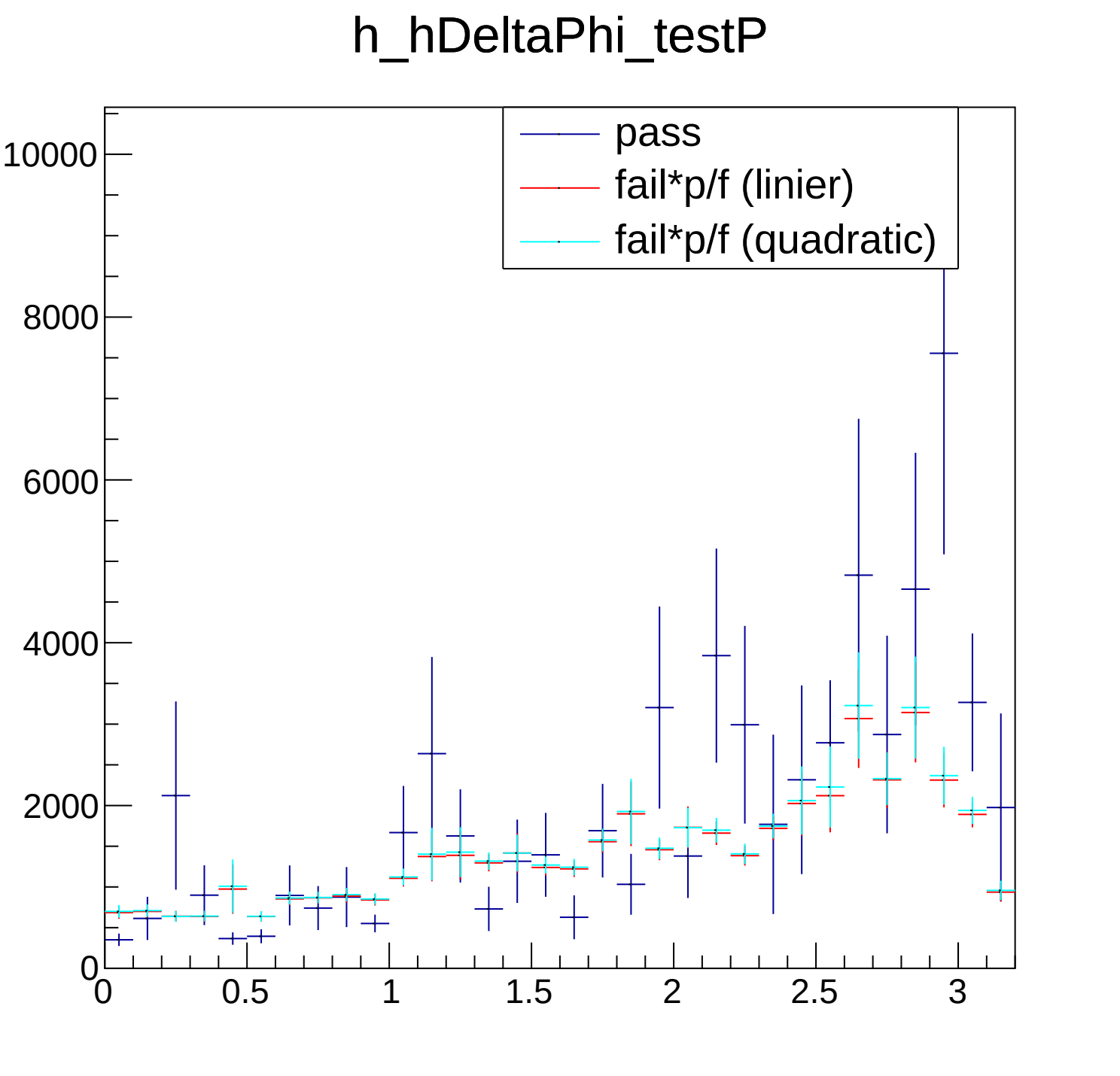

h_MA0_testP
MA0 p/f ratio (All)
SR, not used to fit
linear, χ2/ndf = 14.0/11
quadratic, χ2/ndf = 9.8/10
14000
12000
10000
8000
6000
4000
2000
0
200
250
300
350
400
450
500

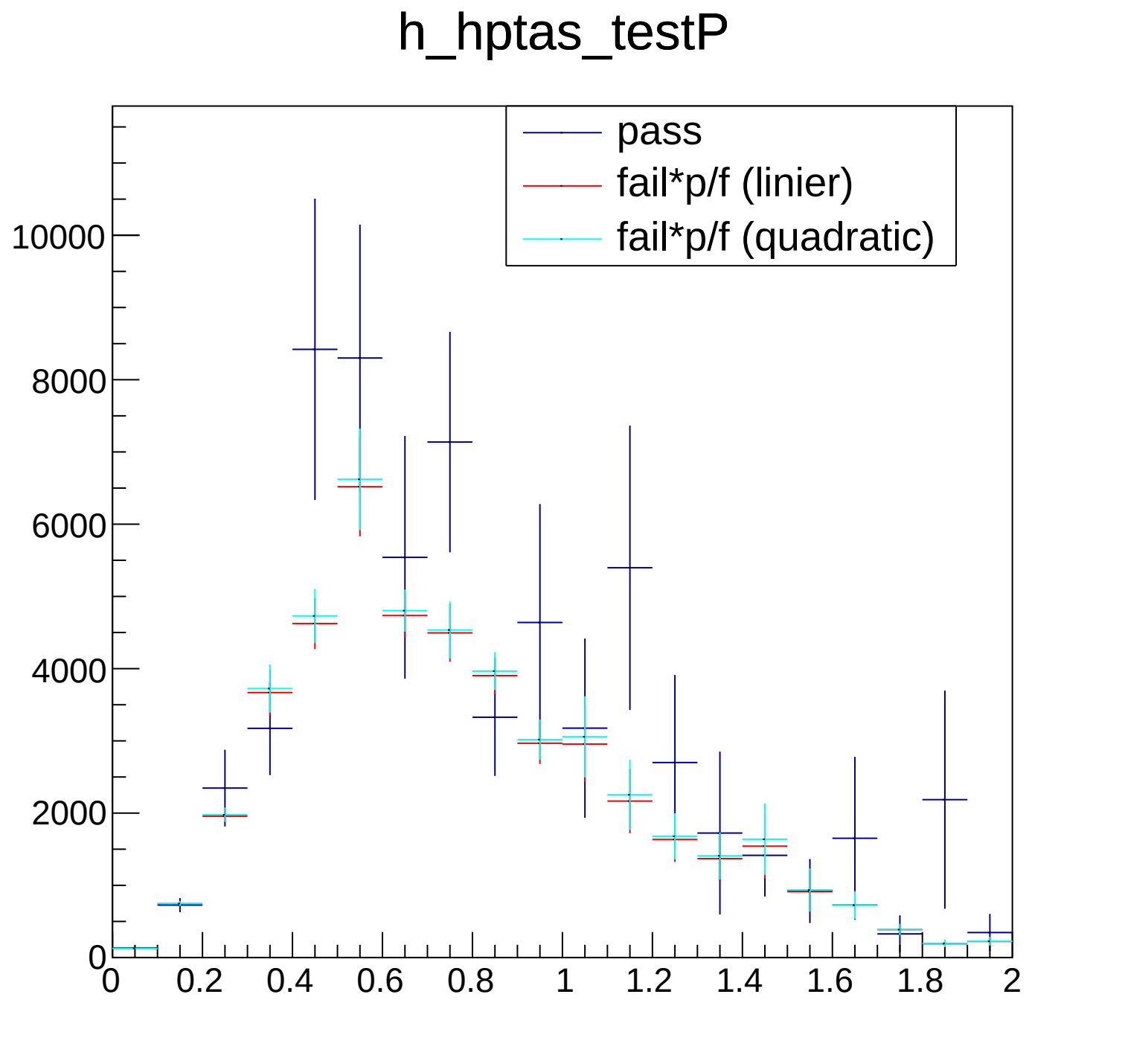

h_Mh_testP
pass
fail*p/f (linier)
fail*p/f (quadratic)
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
90
100
110
120
130
140
150
160

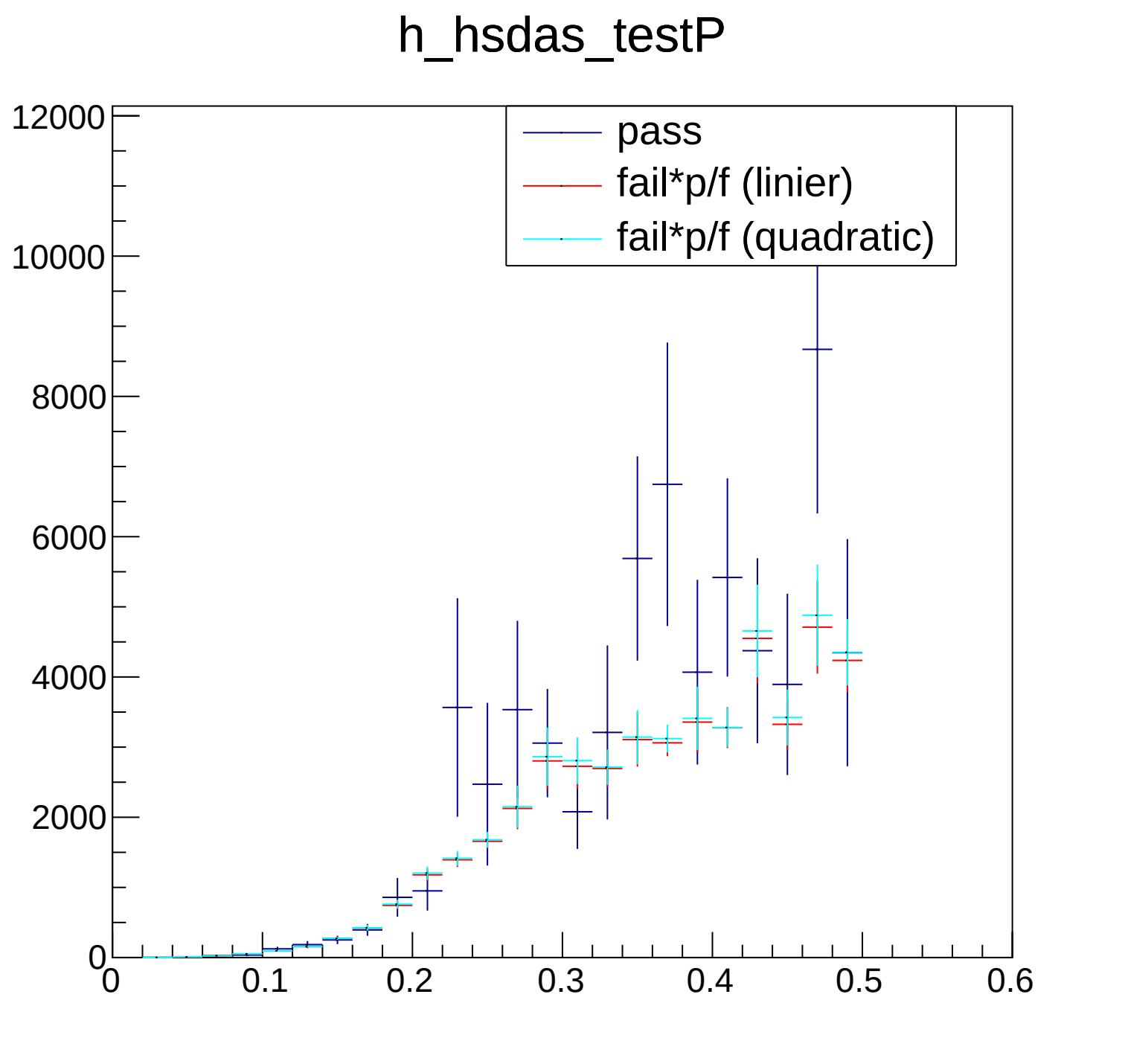

h_hPt_testP
pass
fail*p/f (linier)
fail*p/f (quadratic)
14000
12000
10000
8000
6000
4000
2000
0
0
100
200
300
400
500
600
700
800
900

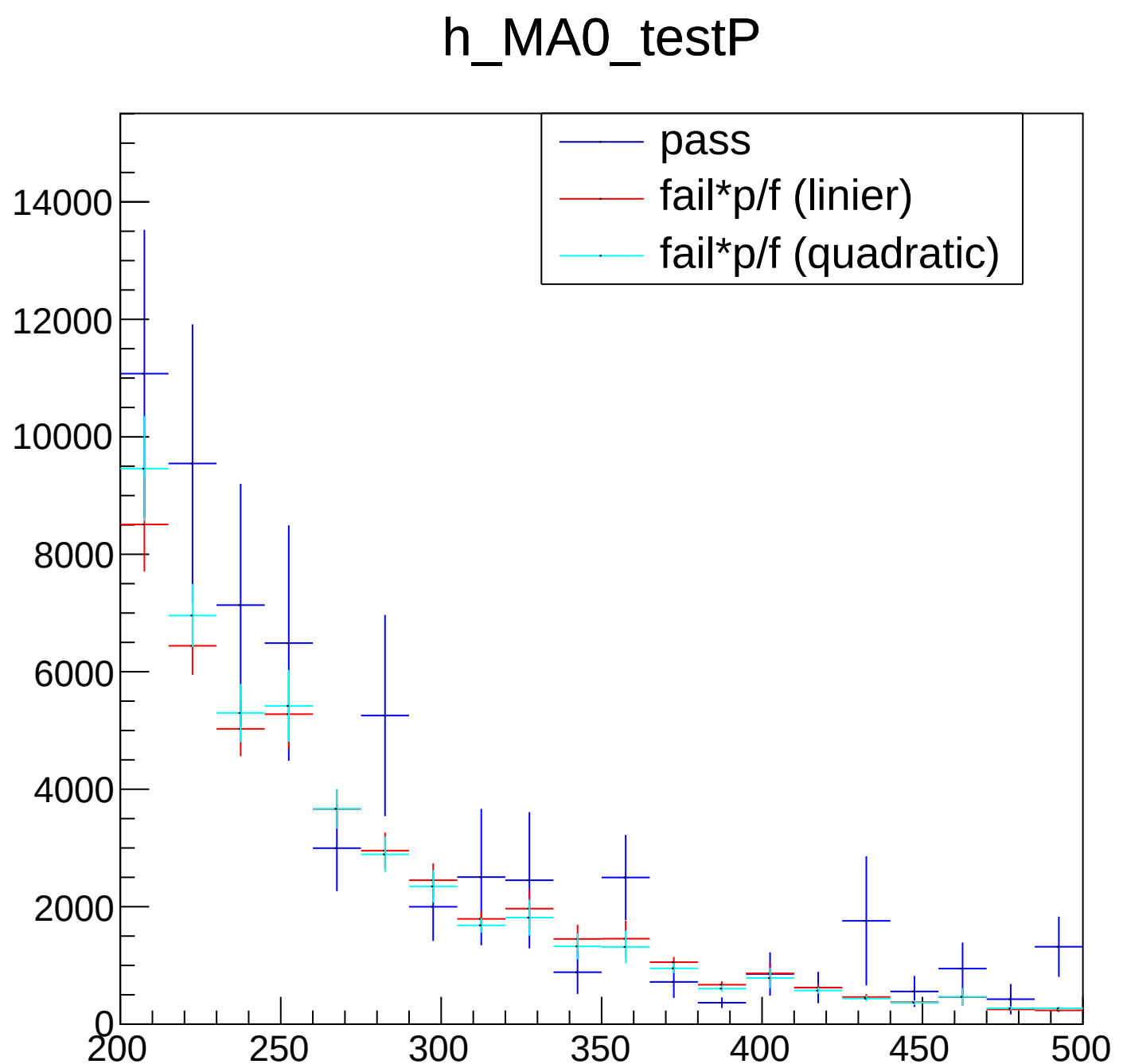

h_hDeltaR_testP
pass
fail*p/f (linier)
fail*p/f (quadratic)
12000
10000
8000
6000
4000
2000
0
0
0.5
1
1.5
2
2.5
3
3.5
4

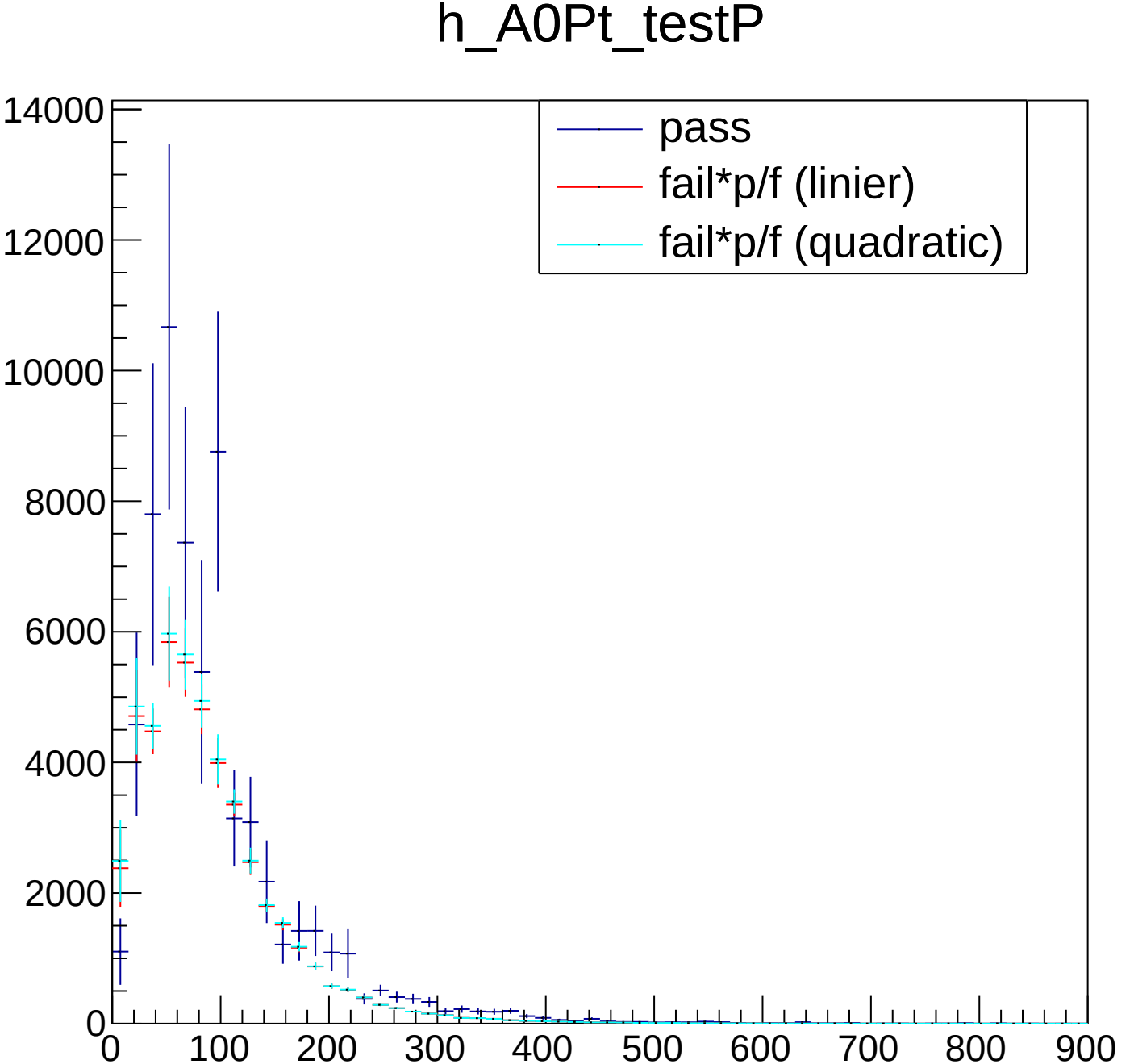

h_hDeltaEta_testP
pass
fail*p/f (linier)
fail*p/f (quadratic)
12000
10000
8000
6000
4000
2000
0
0
0.5
1
1.5
2
2.5
3
3.5
4

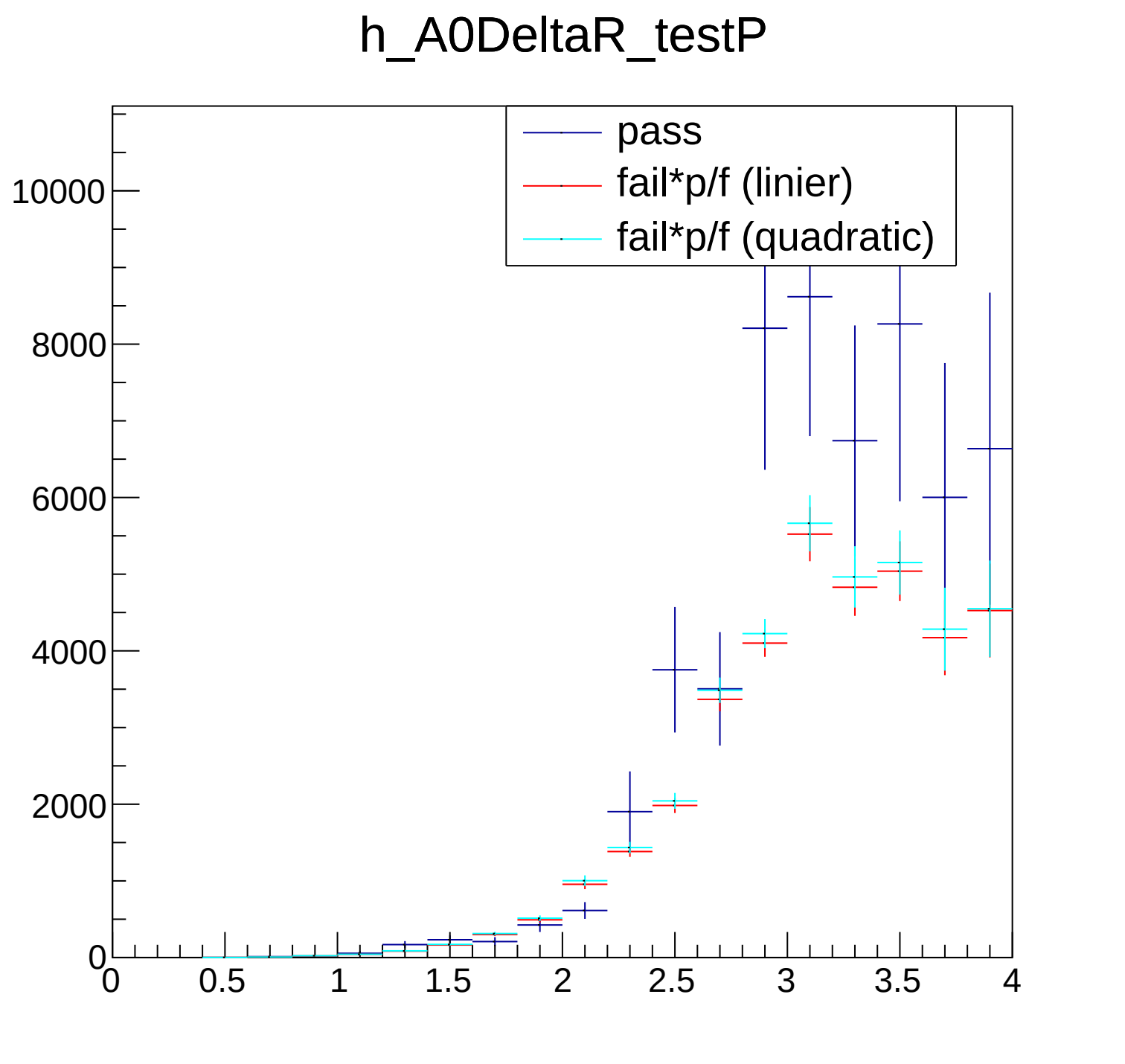

h_hDeltaPhi_testP
pass
fail*p/f (linier)
fail*p/f (quadratic)
10000
8000
6000
4000
2000
0
0
0.5
1
1.5
2
2.5
3

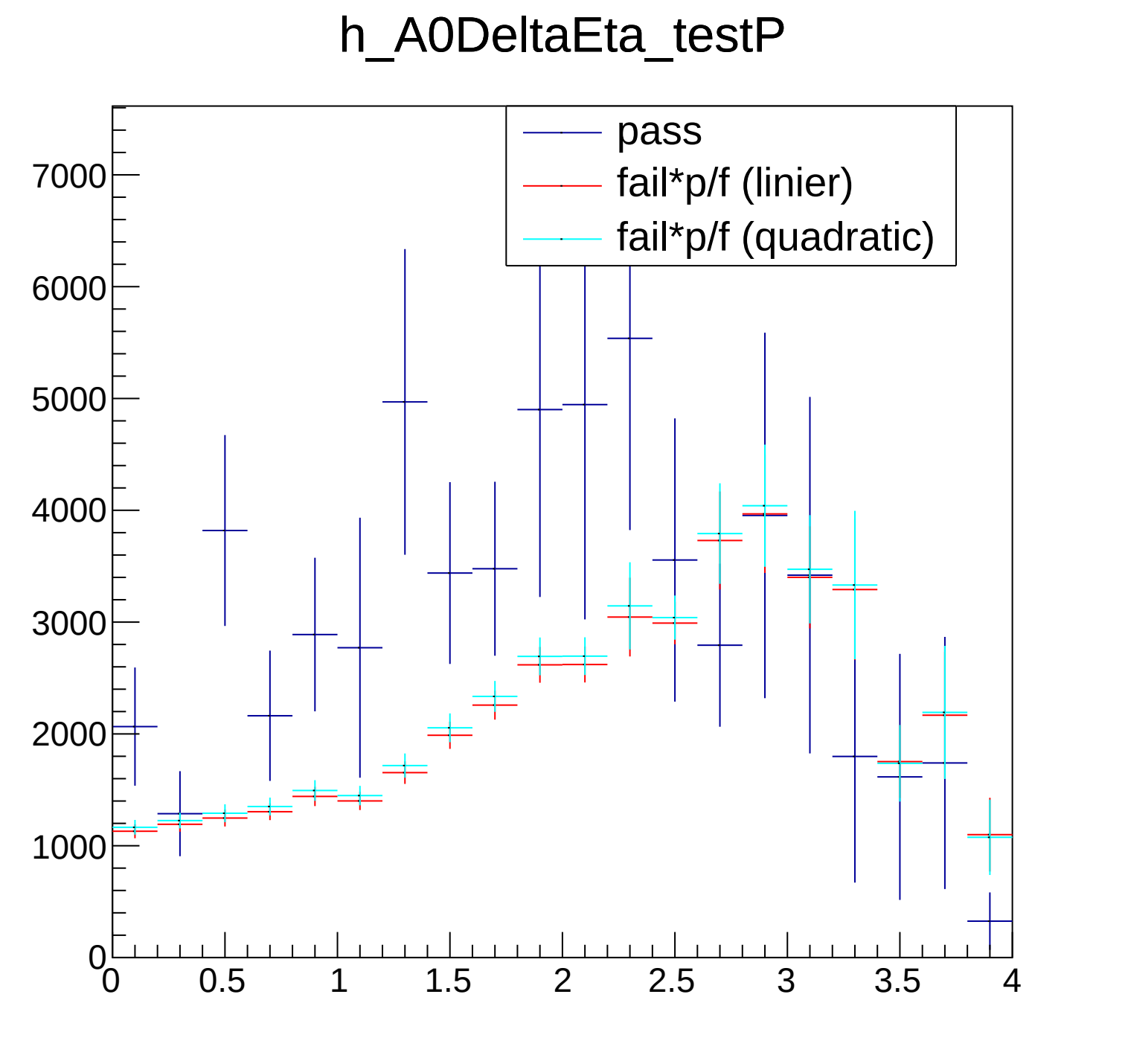

h_hptas_testP
pass
fail*p/f (linier)
fail*p/f (quadratic)
10000
8000
6000
4000
2000
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

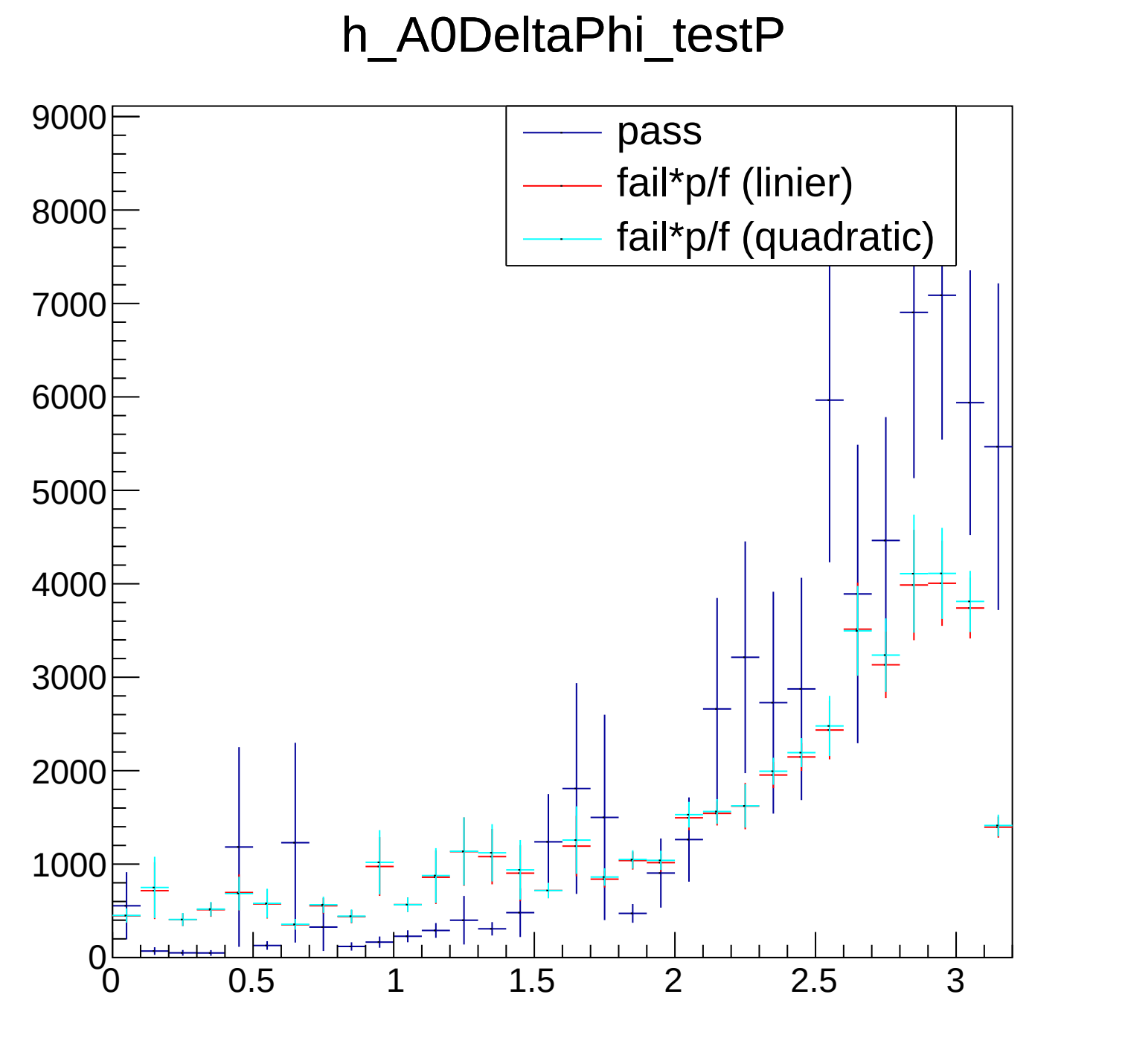

h_hsdas_testP
pass
fail*p/f (linier)
fail*p/f (quadratic)
12000
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6

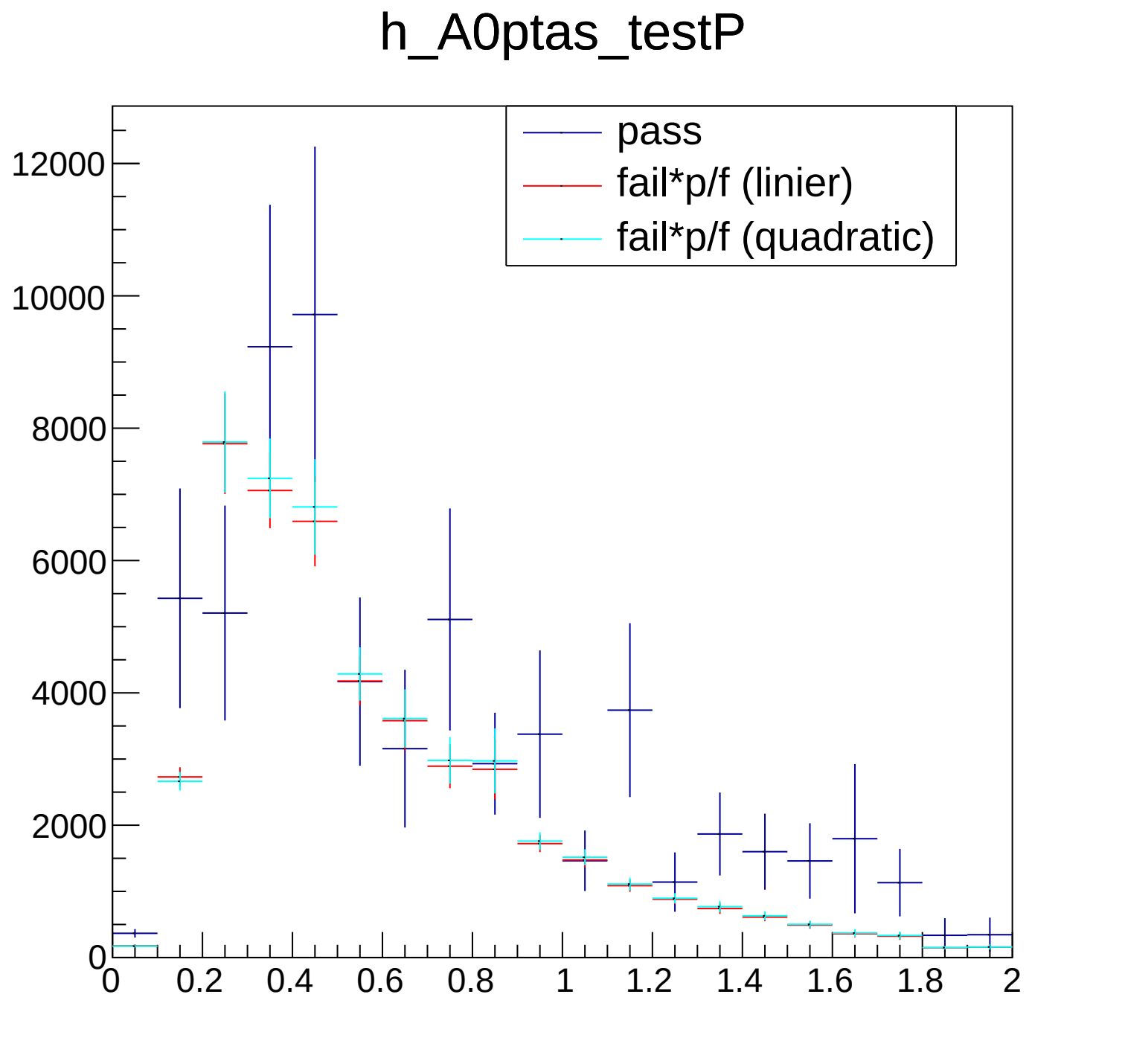

h_MA0_testP
pass
fail*p/f (linier)
fail*p/f (quadratic)
14000
12000
10000
8000
6000
4000
2000
0
200
250
300
350
400
450
500

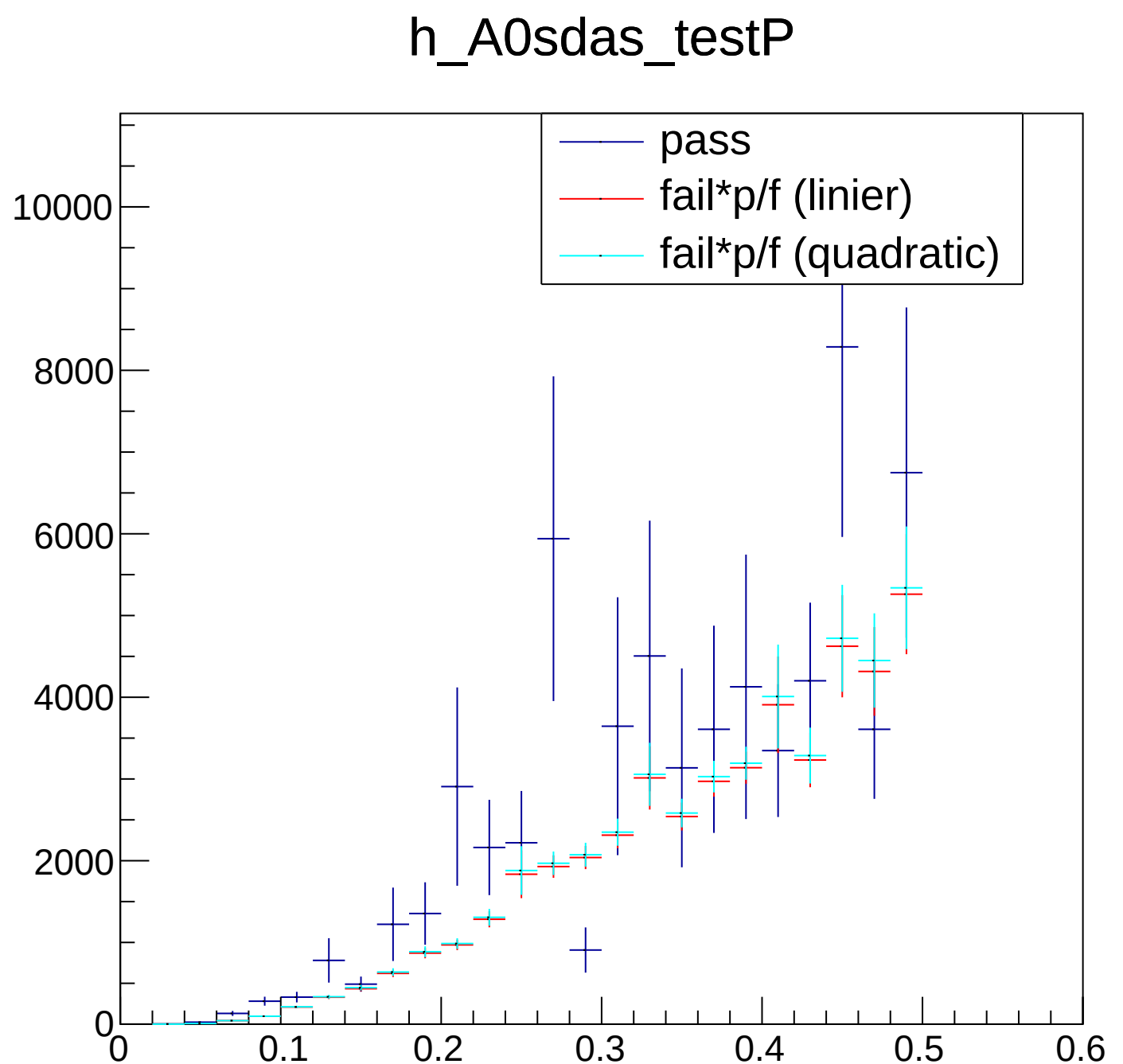

h_A0Pt_testP
pass
fail*p/f (linier)
fail*p/f (quadratic)
14000
12000
10000
8000
6000
4000
2000
0
0
100
200
300
400
500
600
700
800
900

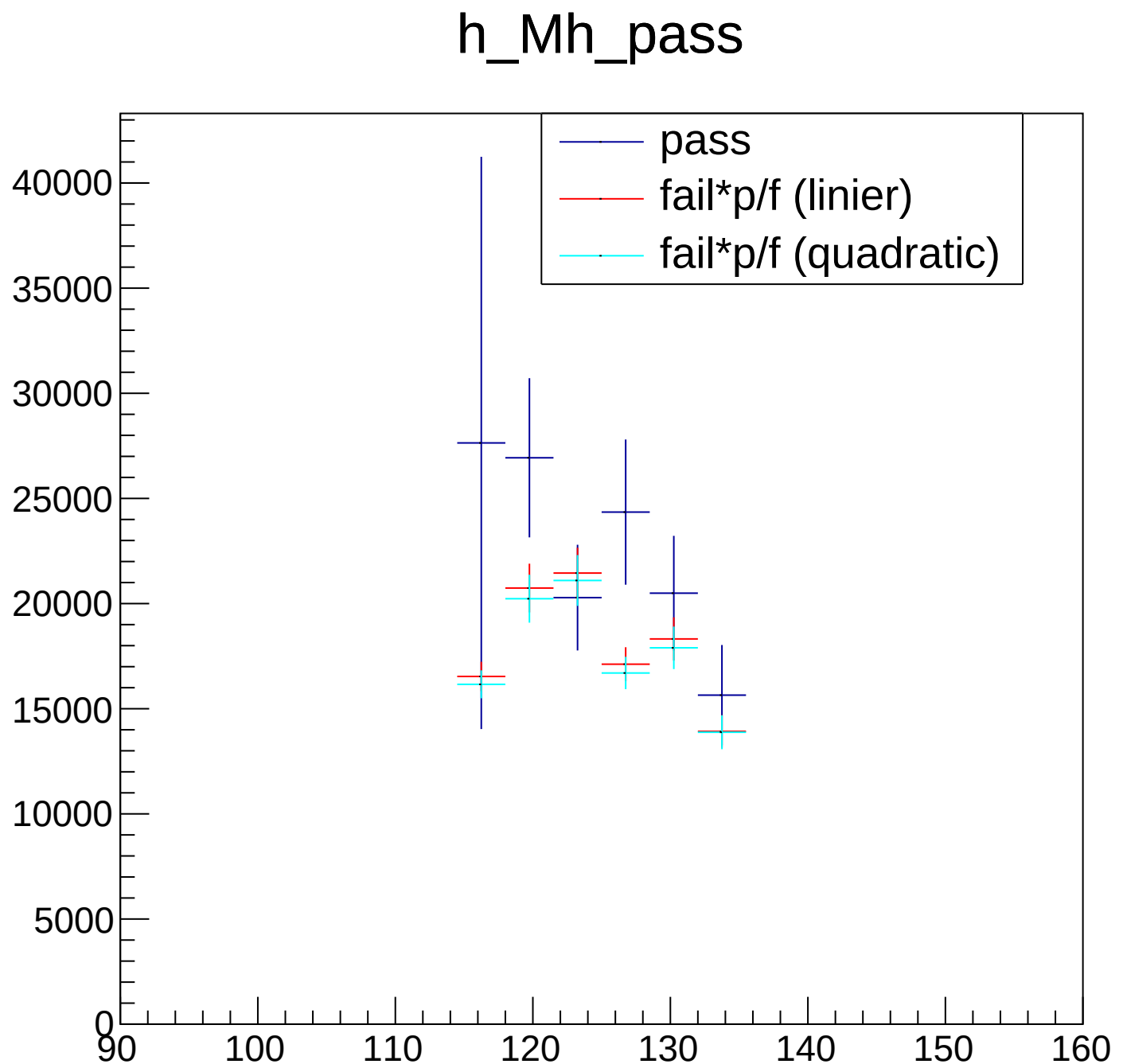

h_A0DeltaR_testP
pass
fail*p/f (linier)
fail*p/f (quadratic)
10000
8000
6000
4000
2000
0
0
0.5
1
1.5
2
2.5
3
3.5
4

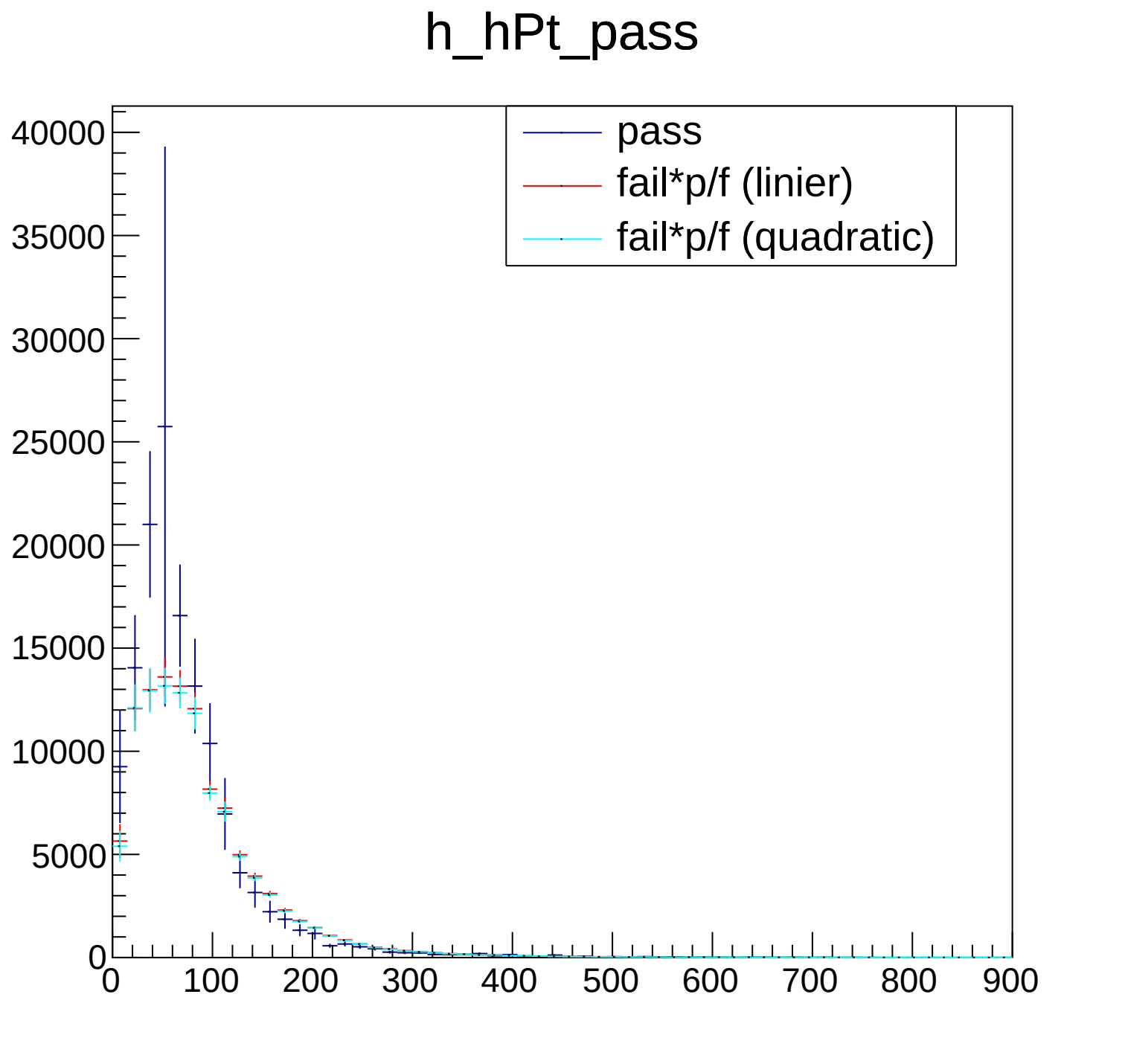

h_A0DeltaEta_testP
pass
fail*p/f (linier)
fail*p/f (quadratic)
0
1000
2000
3000
4000
5000
6000
7000
0
0.5
1
1.5
2
2.5
3
3.5
4

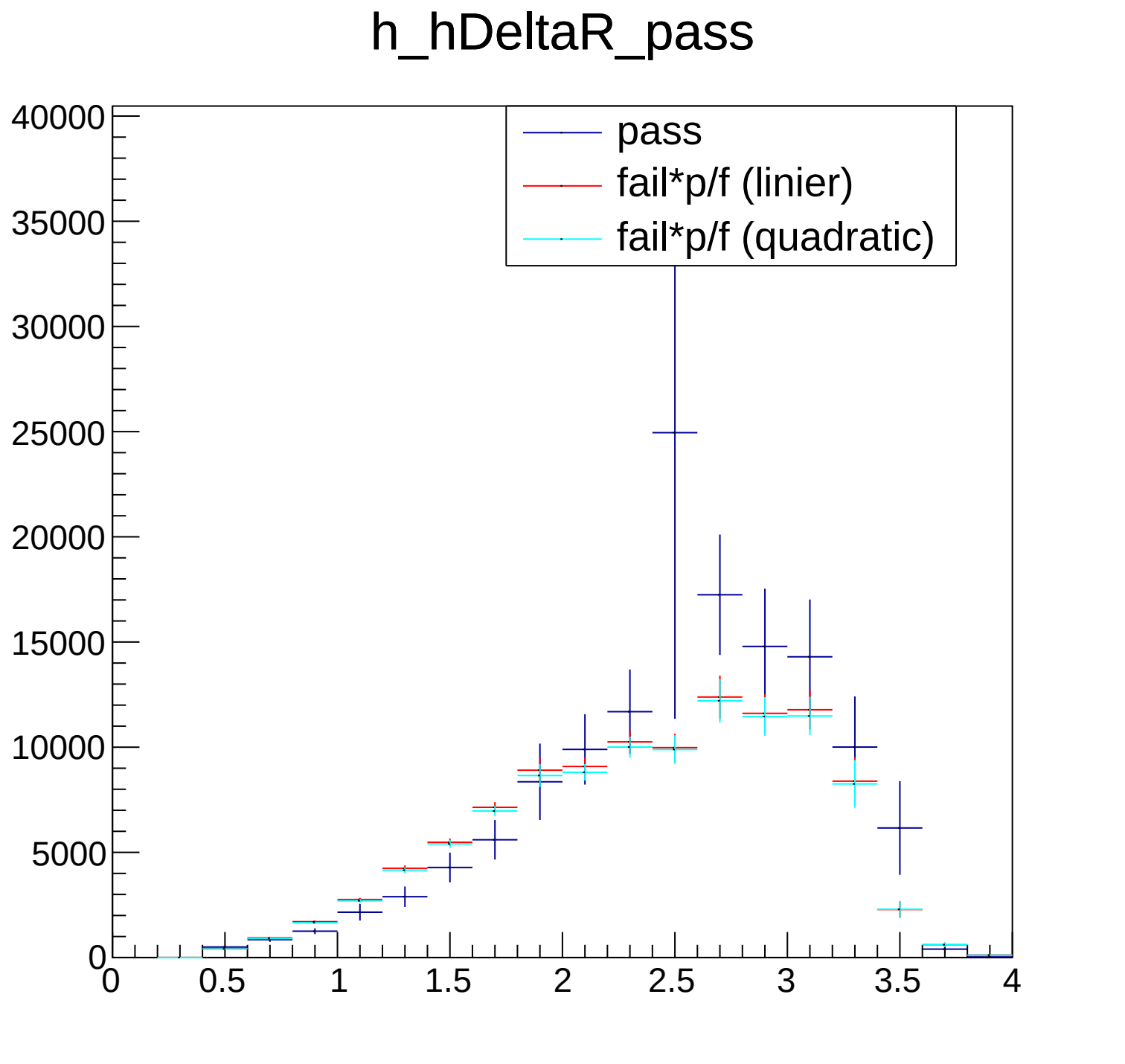

h_A0DeltaPhi_testP
pass
fail*p/f (linier)
fail*p/f (quadratic)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.5
1
1.5
2
2.5
3

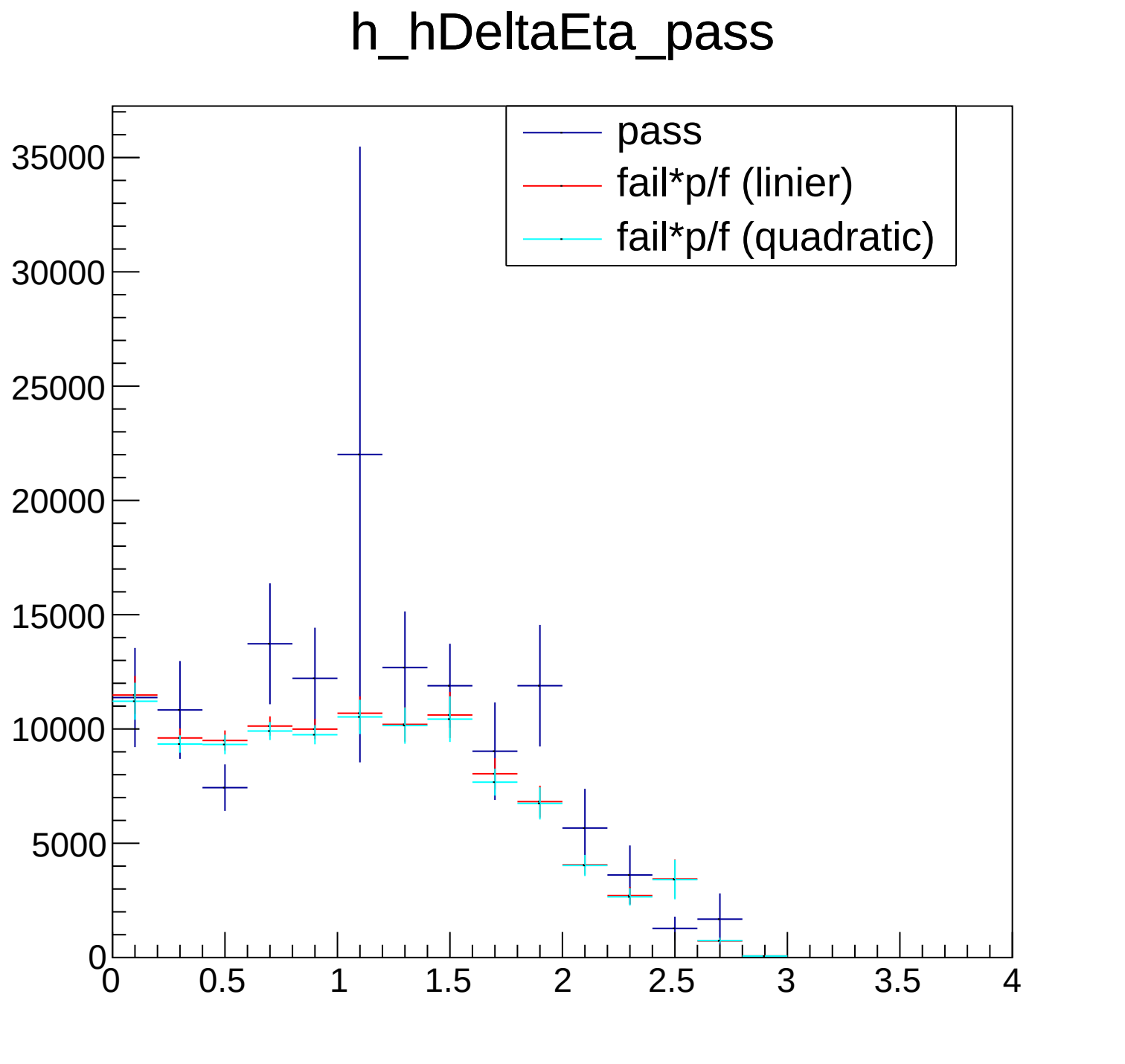

h_A0ptas_testP
pass
fail*p/f (linier)
fail*p/f (quadratic)
12000
10000
8000
6000
4000
2000
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

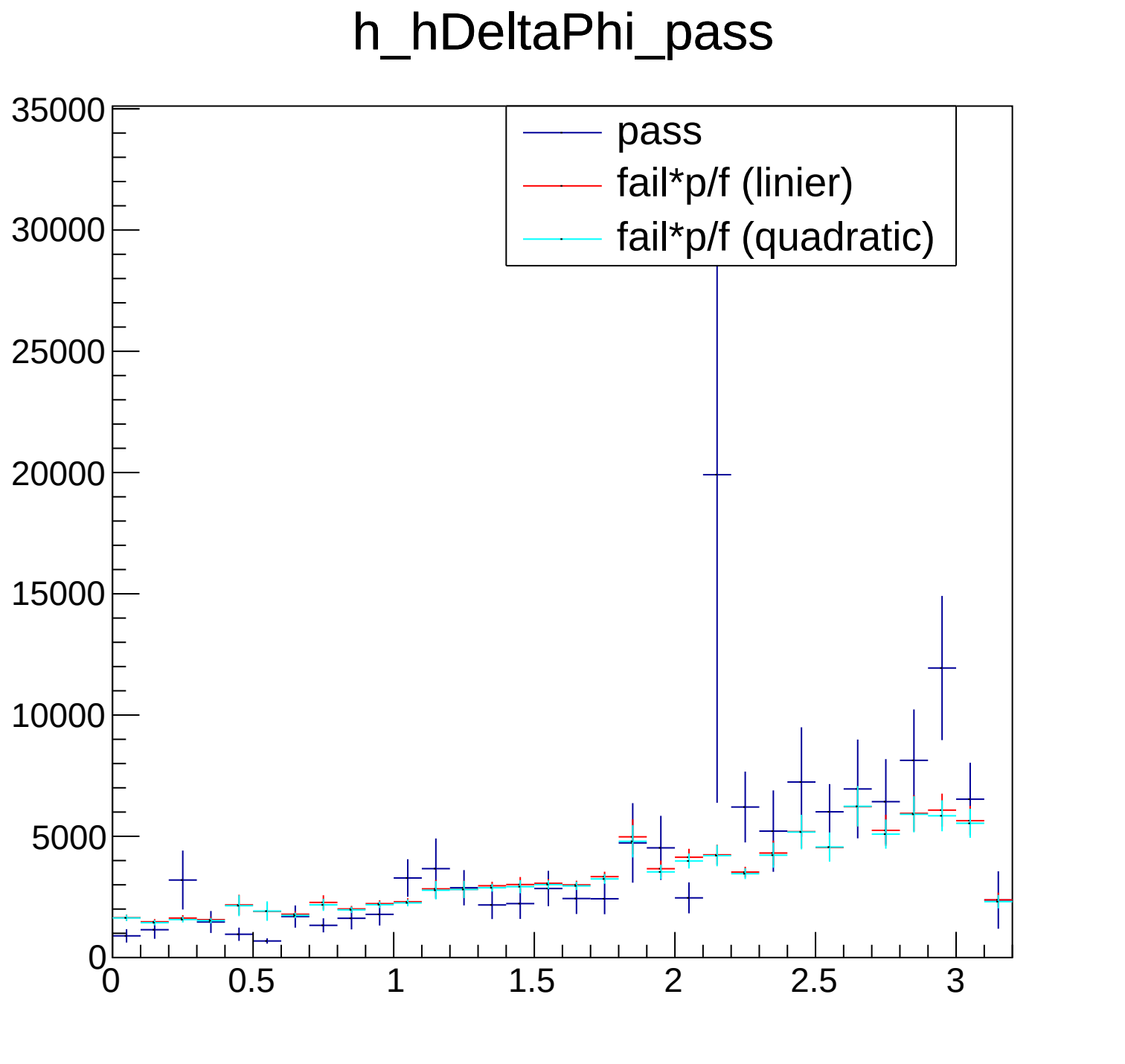

h_A0sdas_testP
pass
fail*p/f (linier)
fail*p/f (quadratic)
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6

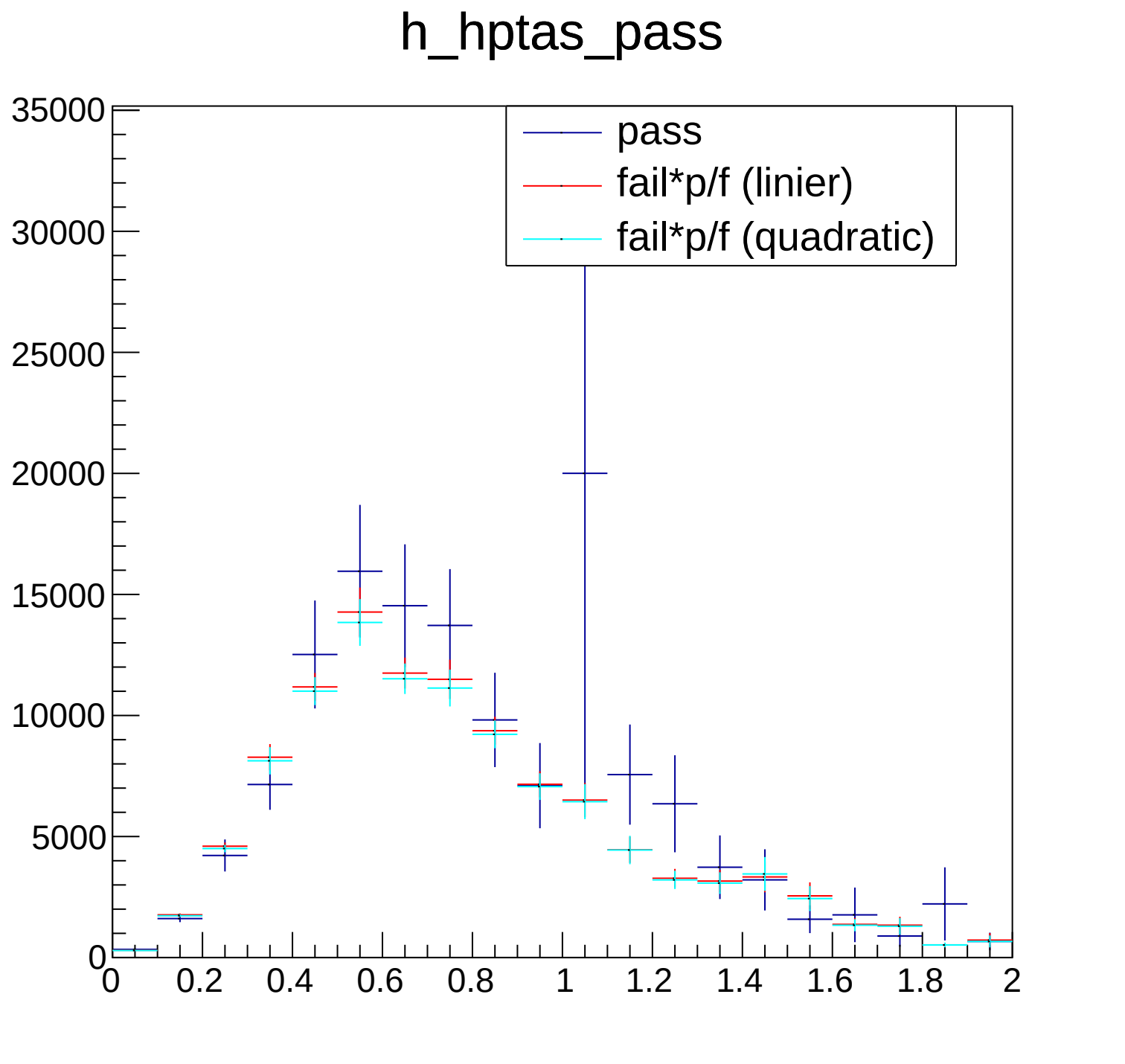

h_Mh_pass
pass
fail*p/f (linier)
fail*p/f (quadratic)
40000
35000
30000
25000
20000
15000
10000
5000
0
90
100
110
120
130
140
150
160

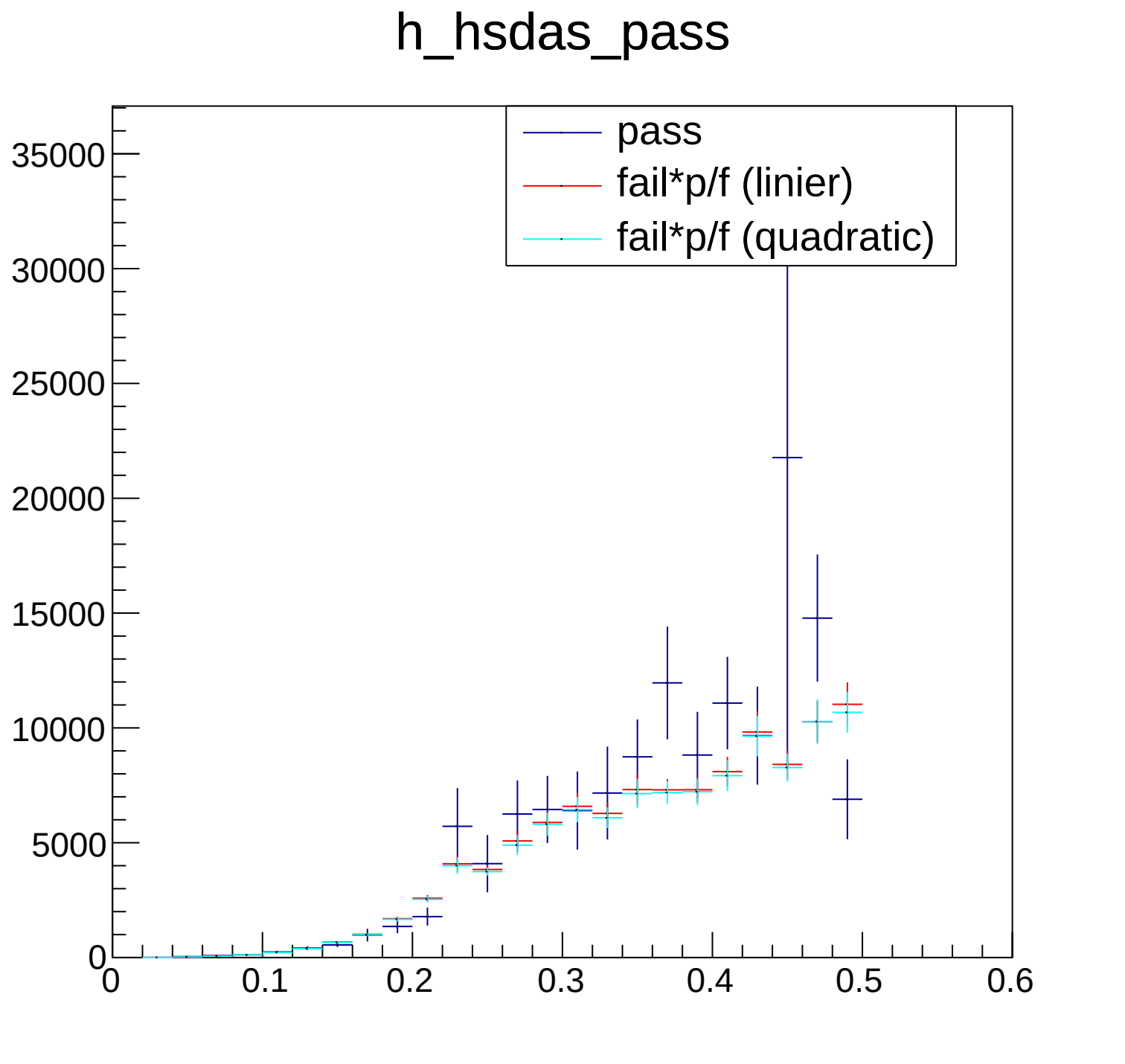

h_hPt_pass
pass
fail*p/f (linier)
fail*p/f (quadratic)
40000
35000
30000
25000
20000
15000
10000
5000
0
0
100
200
300
400
500
600
700
800
900

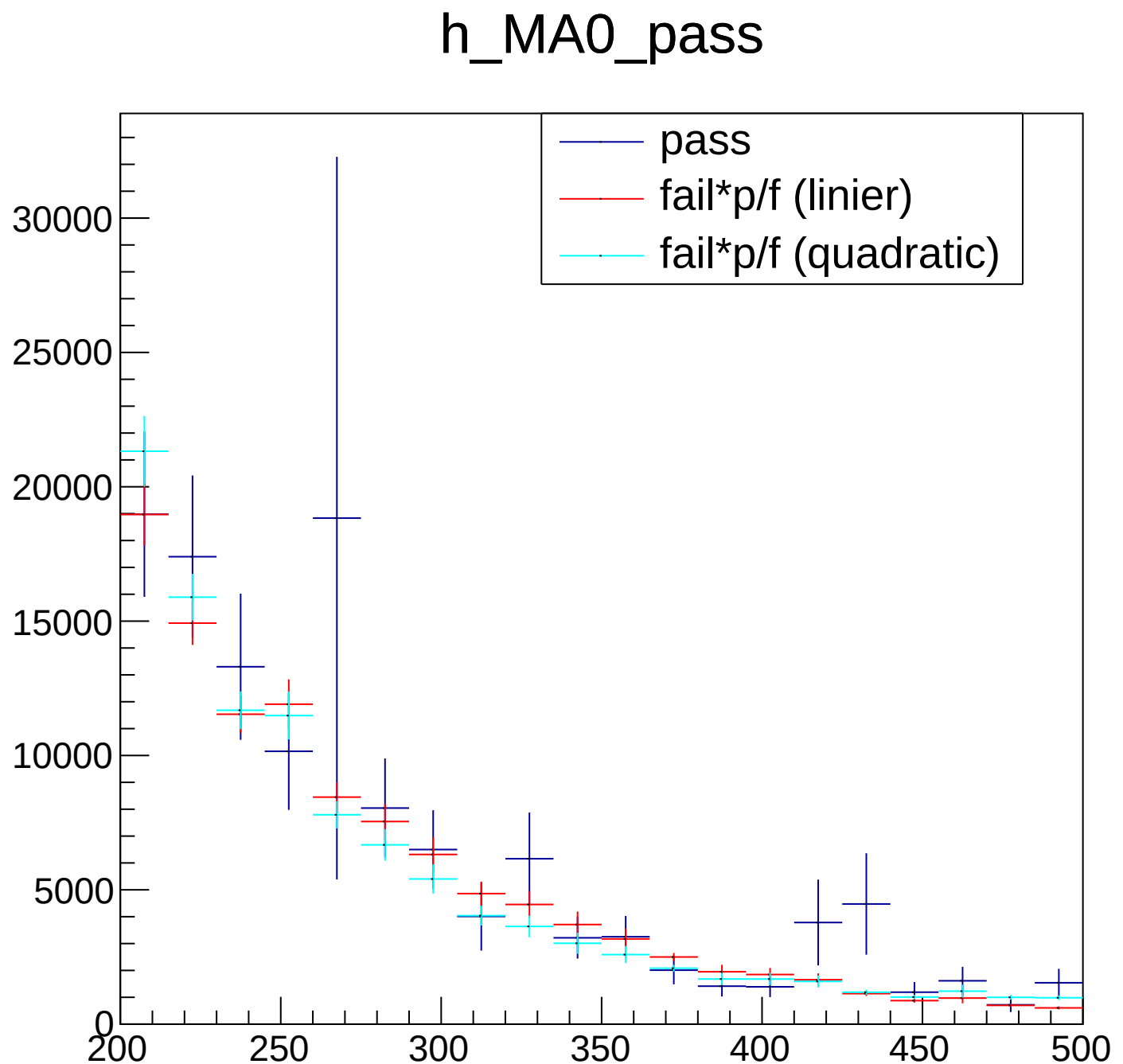

h_hDeltaR_pass
pass
fail*p/f (linier)
fail*p/f (quadratic)
40000
35000
30000
25000
20000
15000
10000
5000
0
0
0.5
1
1.5
2
2.5
3
3.5
4

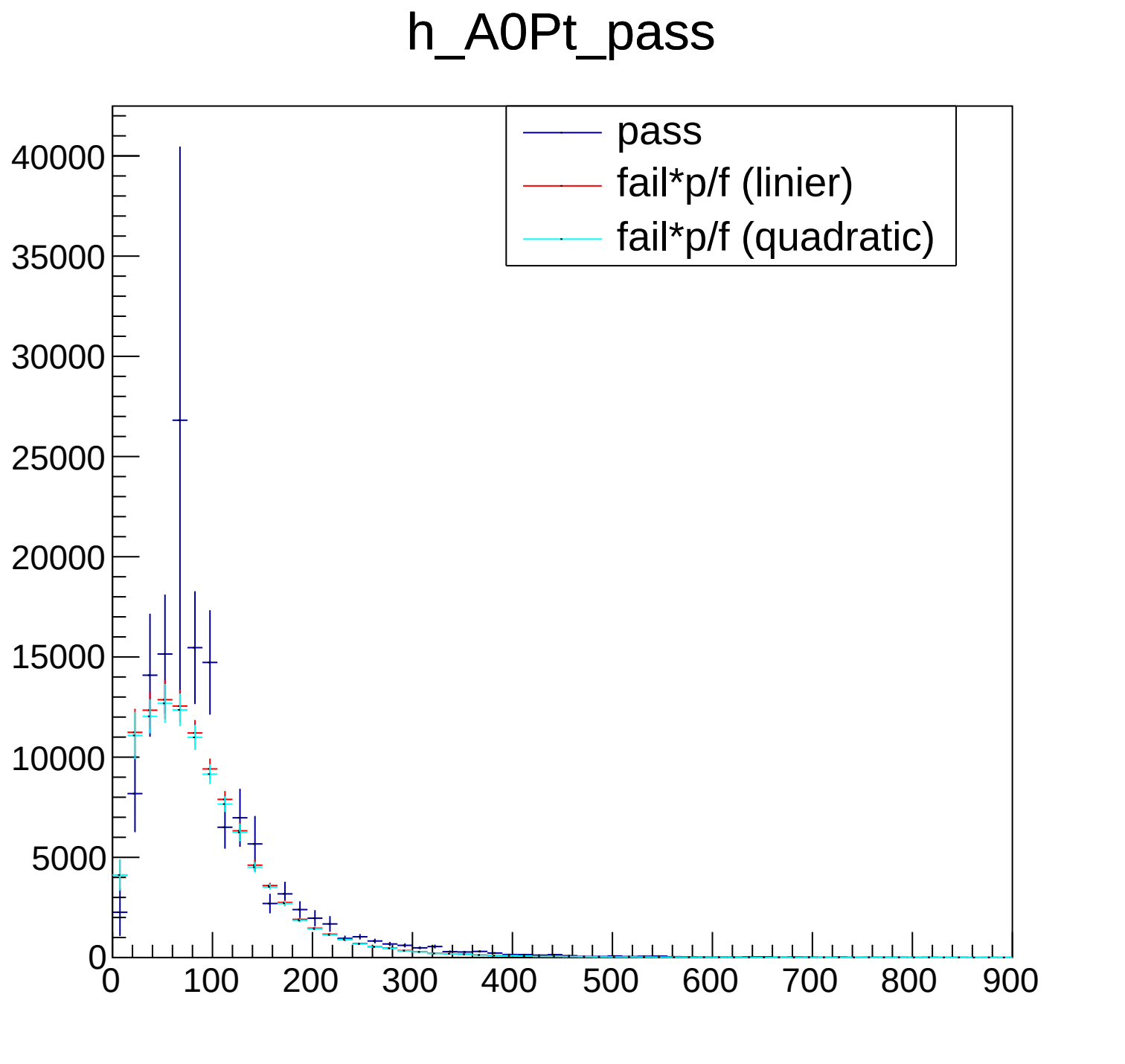

h_hDeltaEta_pass
pass
fail*p/f (linier)
fail*p/f (quadratic)
35000
30000
25000
20000
15000
10000
5000
0
0
0.5
1
1.5
2
2.5
3
3.5
4

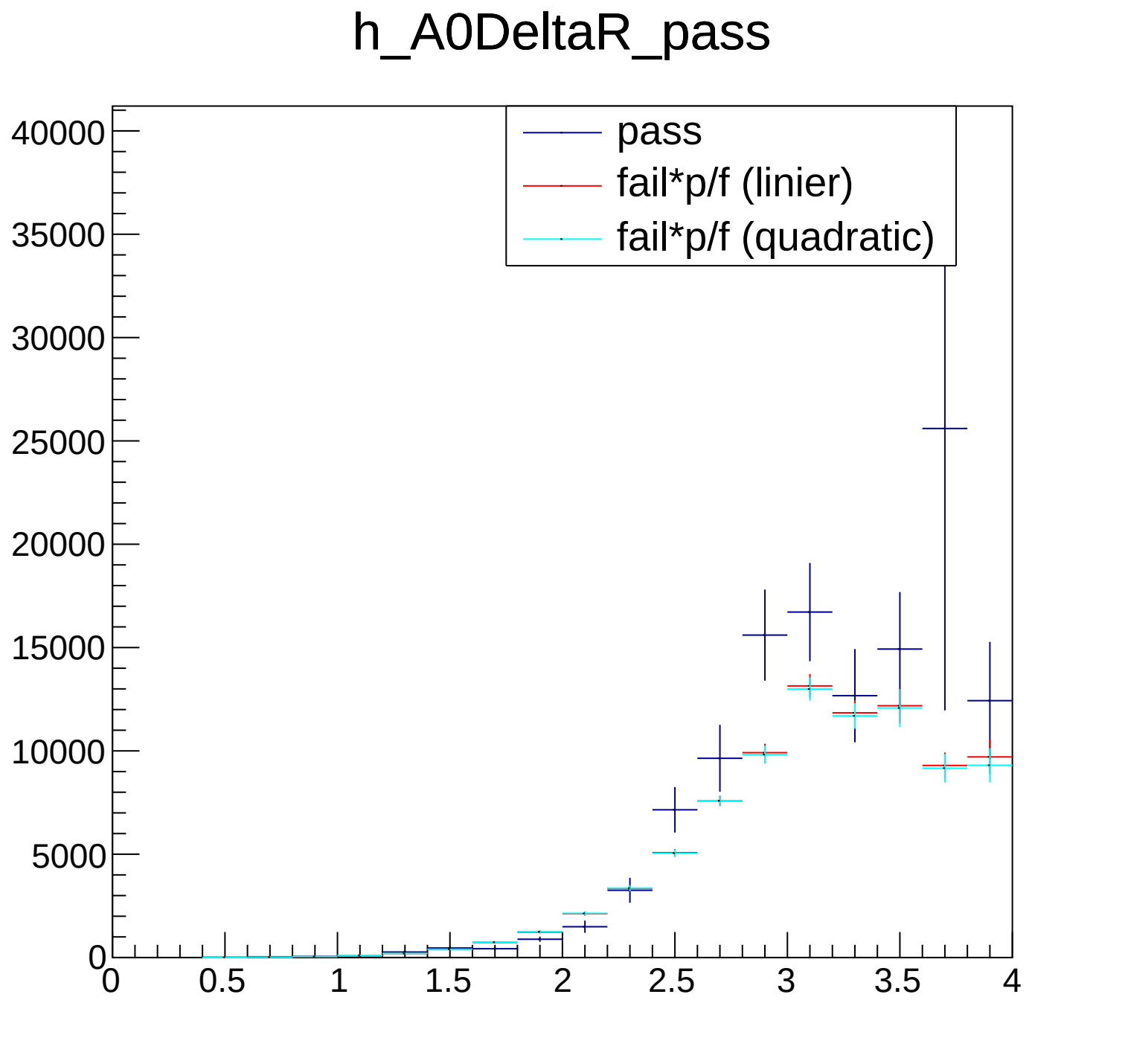

h_hDeltaPhi_pass
pass
fail*p/f (linier)
fail*p/f (quadratic)
35000
30000
25000
20000
15000
10000
5000
0
0
0.5
1
1.5
2
2.5
3

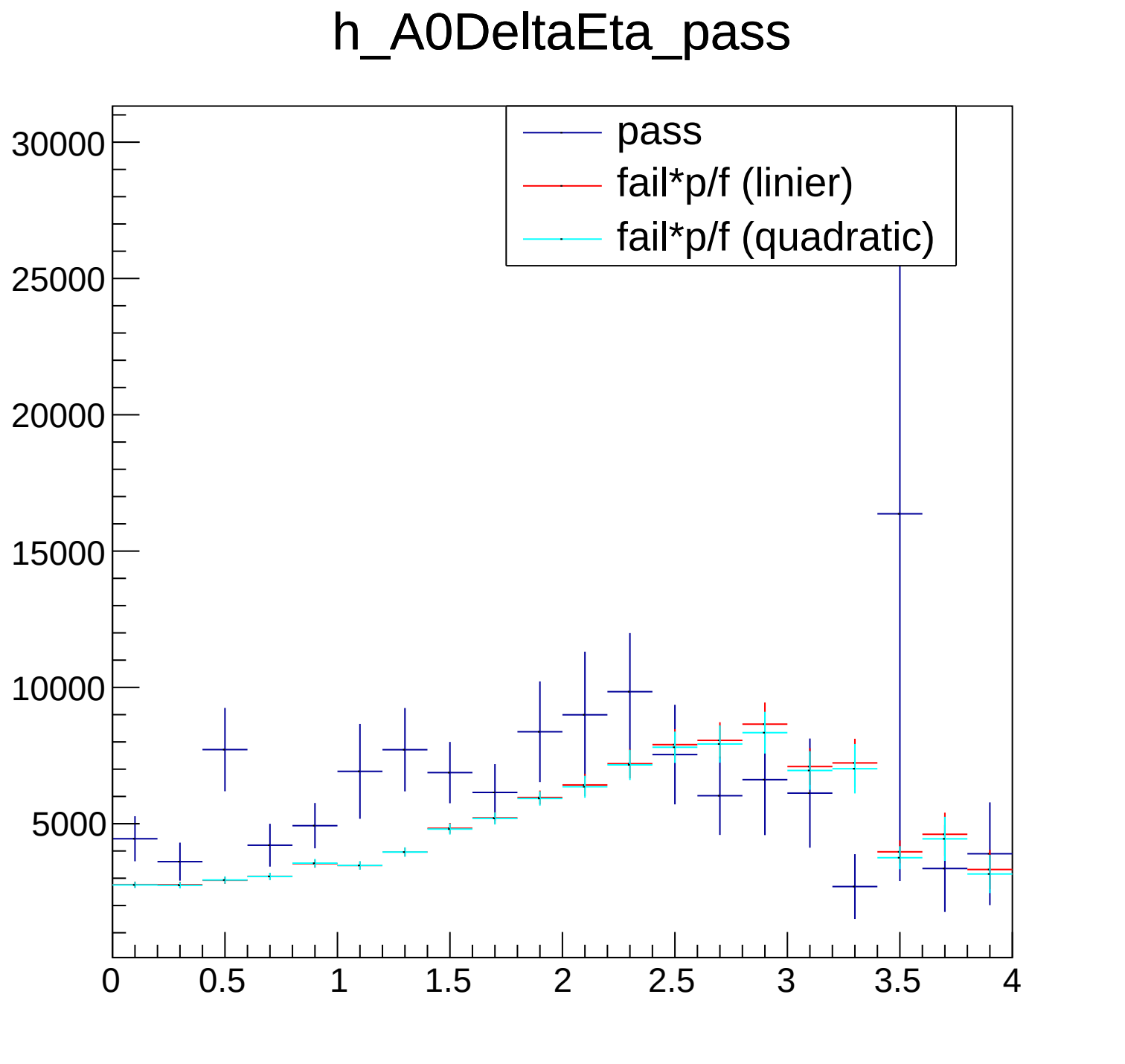

h_hptas_pass
pass
fail*p/f (linier)
fail*p/f (quadratic)
35000
30000
25000
20000
15000
10000
5000
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

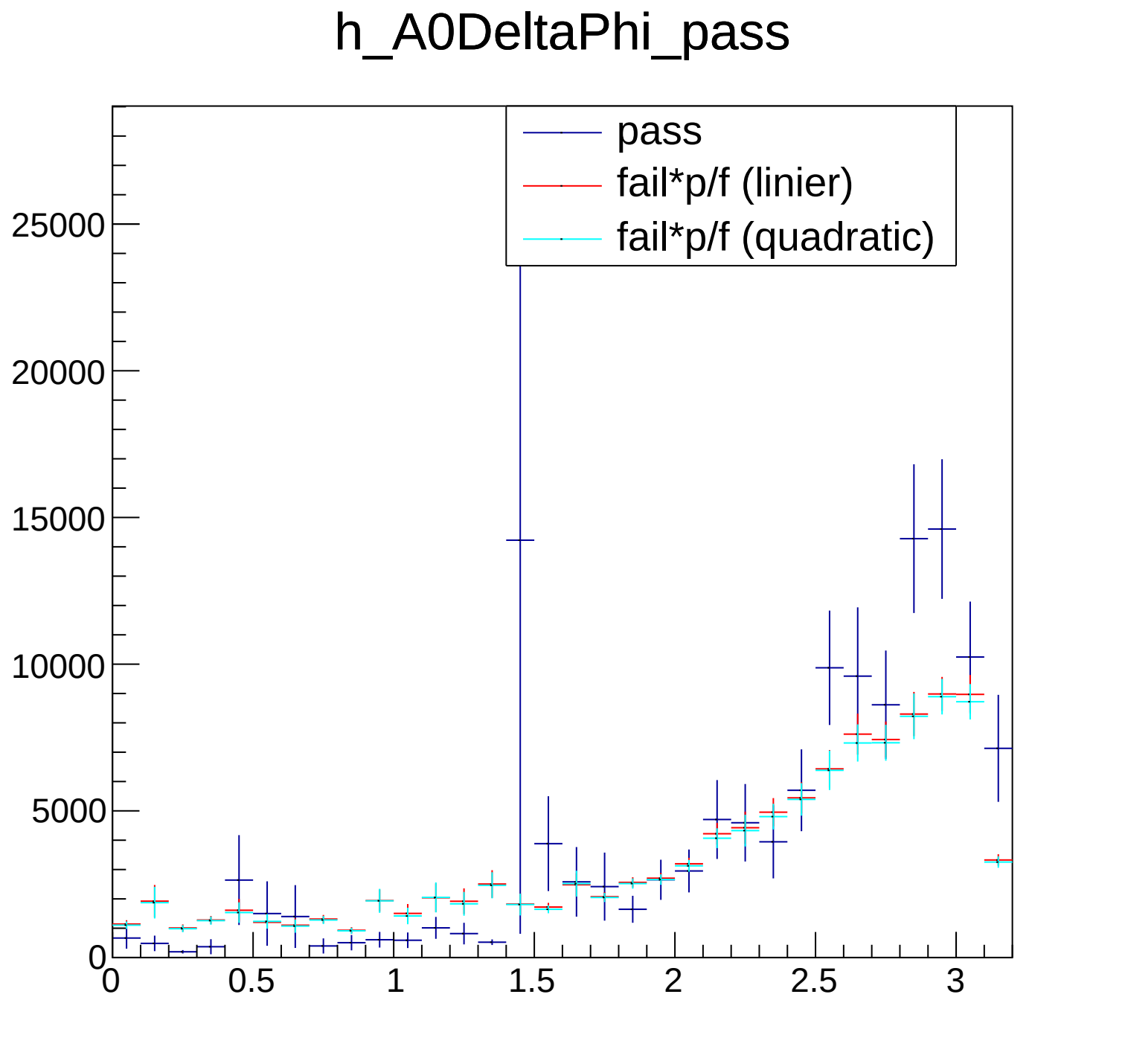

h_hsdas_pass
pass
fail*p/f (linier)
fail*p/f (quadratic)
35000
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6

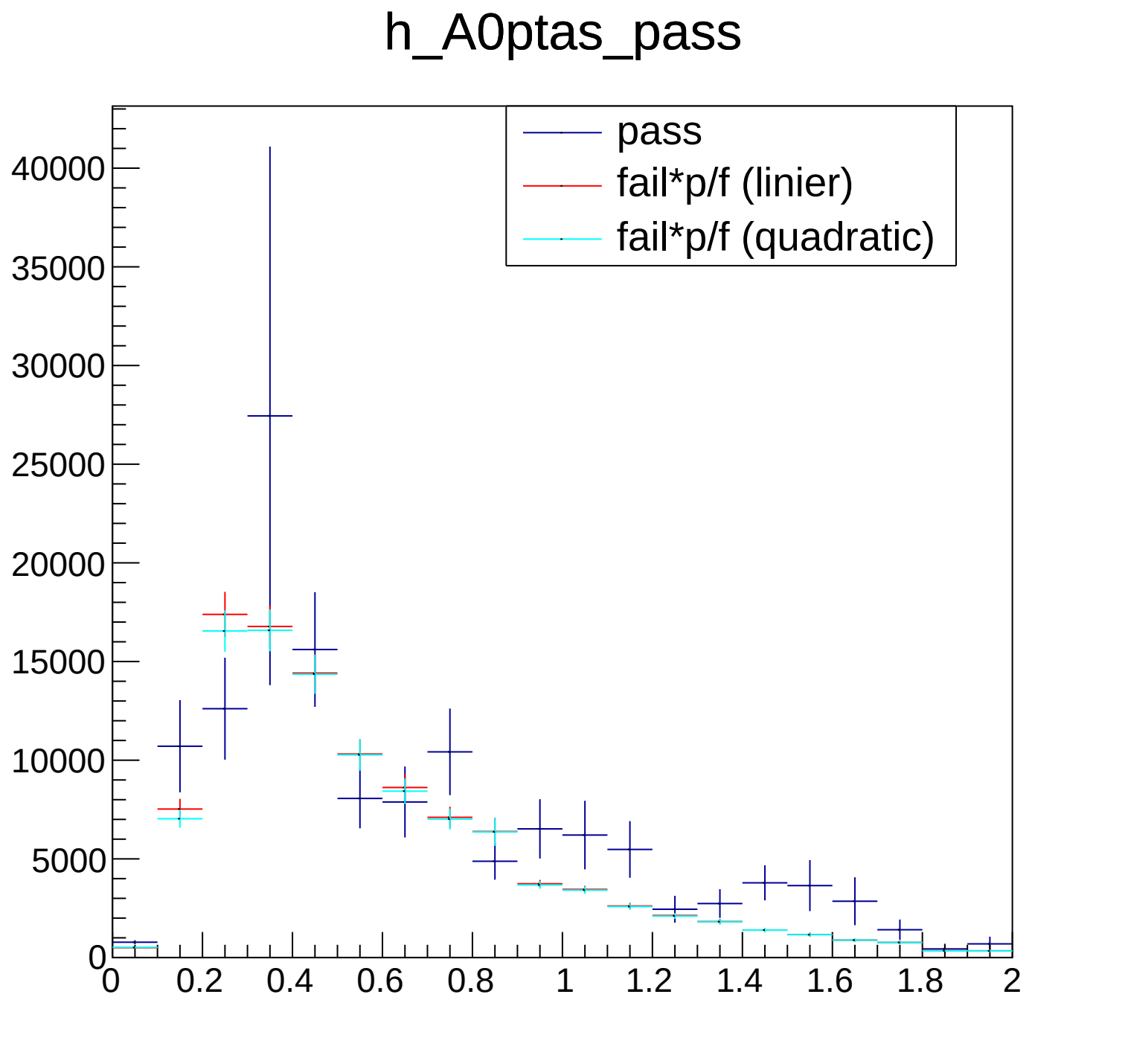

h_MA0_pass
pass
fail*p/f (linier)
fail*p/f (quadratic)
30000
25000
20000
15000
10000
5000
0
200
250
300
350
400
450
500

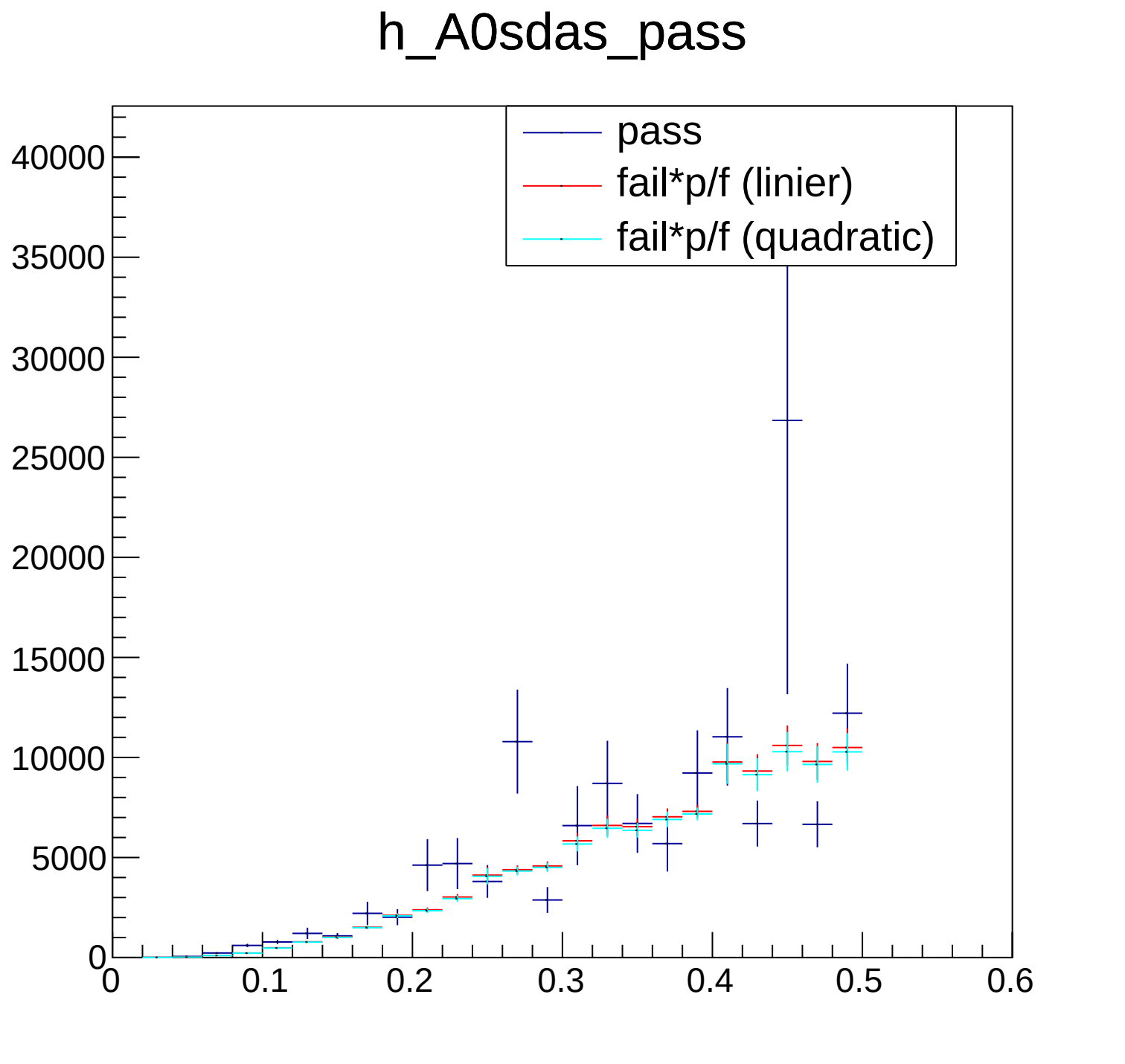

h_A0Pt_pass
pass
fail*p/f (linier)
fail*p/f (quadratic)
40000
35000
30000
25000
20000
15000
10000
5000
0
0
100
200
300
400
500
600
700
800
900


h_A0DeltaR_pass
pass
fail*p/f (linier)
fail*p/f (quadratic)
40000
35000
30000
25000
20000
15000
10000
5000
0
0
0.5
1
1.5
2
2.5
3
3.5
4


h_A0DeltaEta_pass
pass
fail*p/f (linier)
fail*p/f (quadratic)
30000
25000
20000
15000
10000
5000
0
0.5
1
1.5
2
2.5
3
3.5
4


h_A0DeltaPhi_pass
pass
fail*p/f (linier)
fail*p/f (quadratic)
25000
20000
15000
10000
5000
0
0
0.5
1
1.5
2
2.5
3


h_A0ptas_pass
pass
fail*p/f (linier)
fail*p/f (quadratic)
40000
35000
30000
25000
20000
15000
10000
5000
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2


h_A0sdas_pass
pass
fail*p/f (linier)
fail*p/f (quadratic)
40000
35000
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6