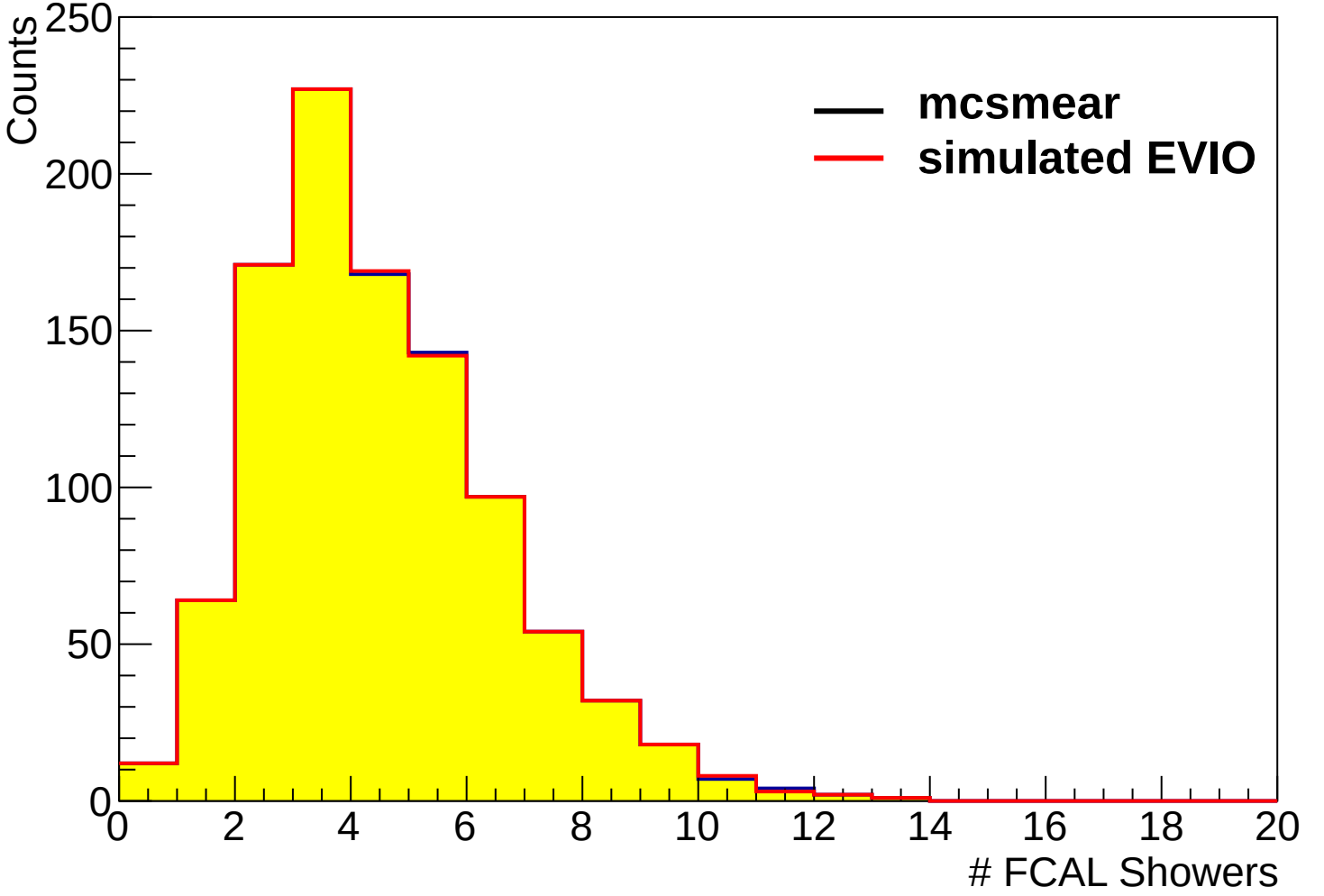
Counts
250
200
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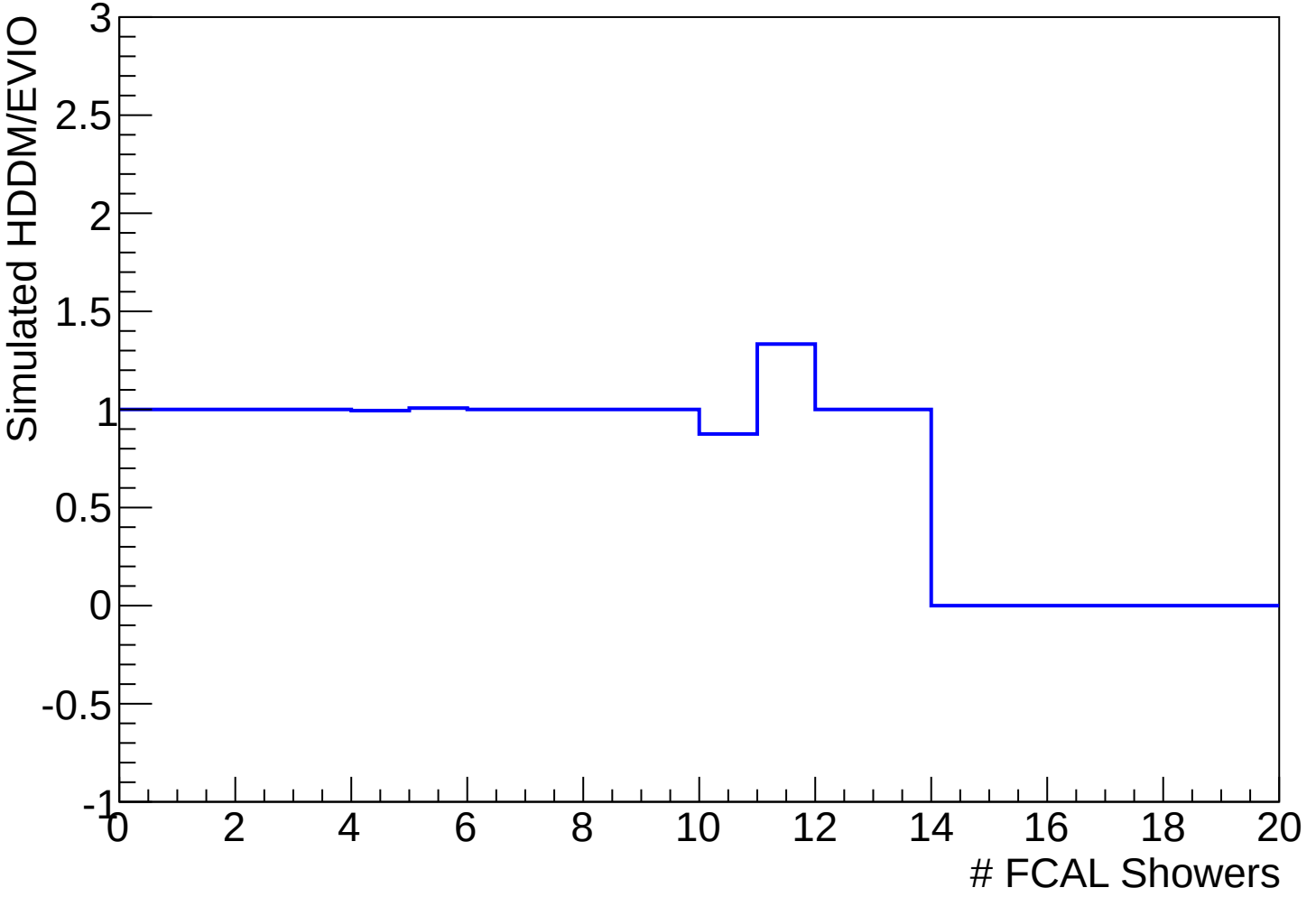
16
18
20
FCAL Showers
mcsmear
simulated EVIO


Simulated HDDM/EVIO
3
2.5
2
1.5
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-0.5
-1
0
2
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10
12
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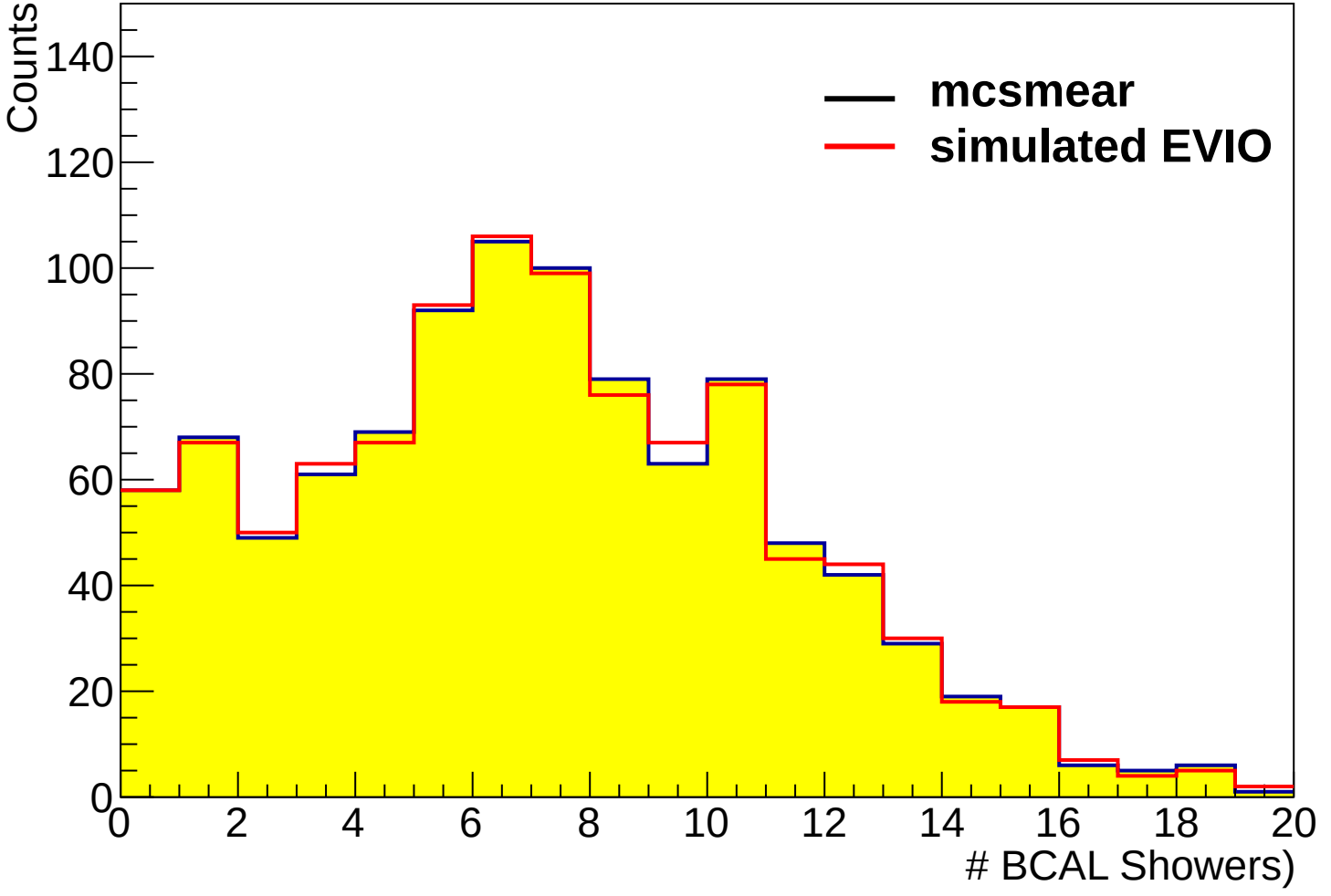
18
20
FCAL Showers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140
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100
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2
4
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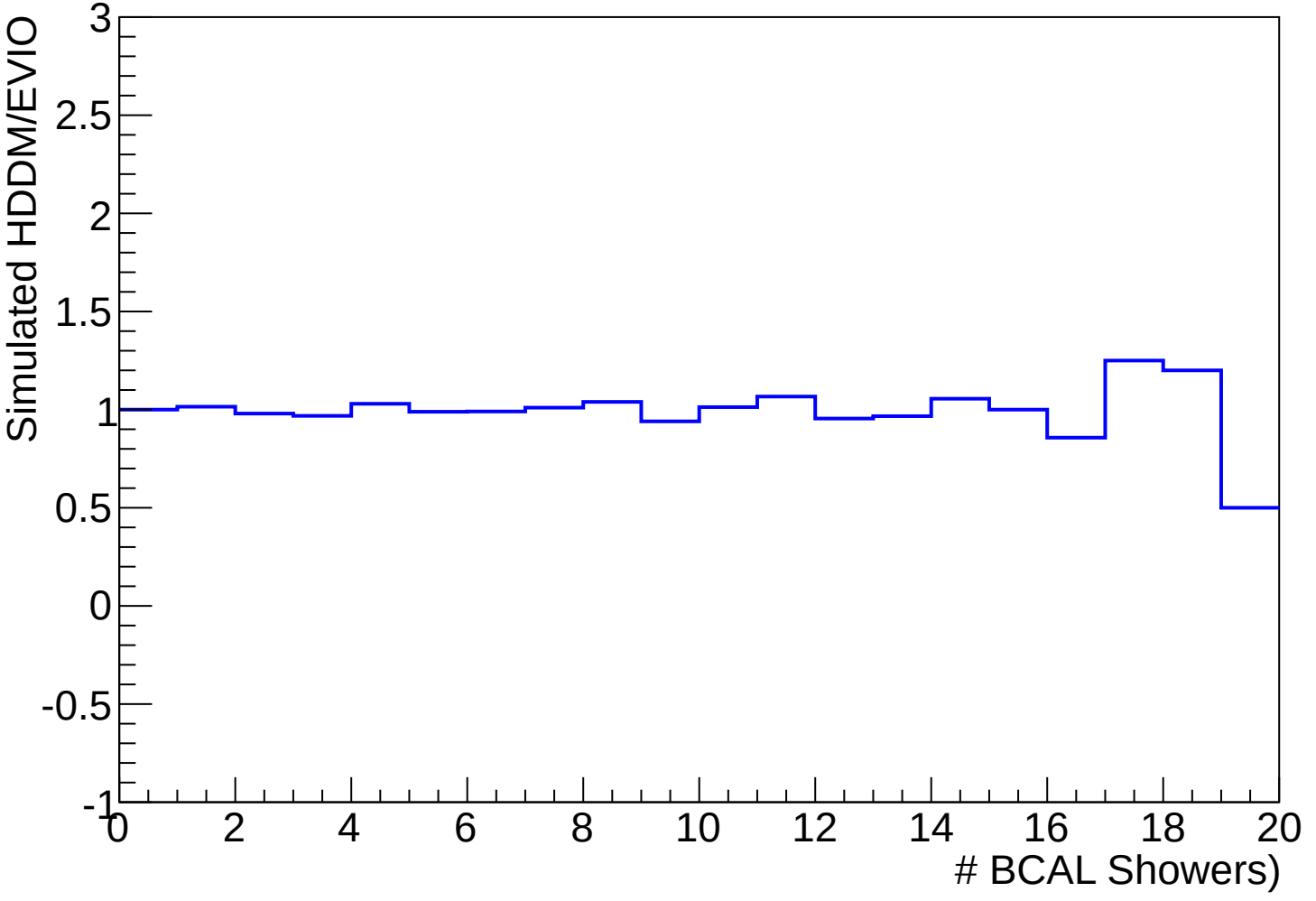
16
18
20
BCAL Showers)
mcsmear
simulated EVIO


Simulated HDDM/EVIO
3
2.5
2
1.5
1
0.5
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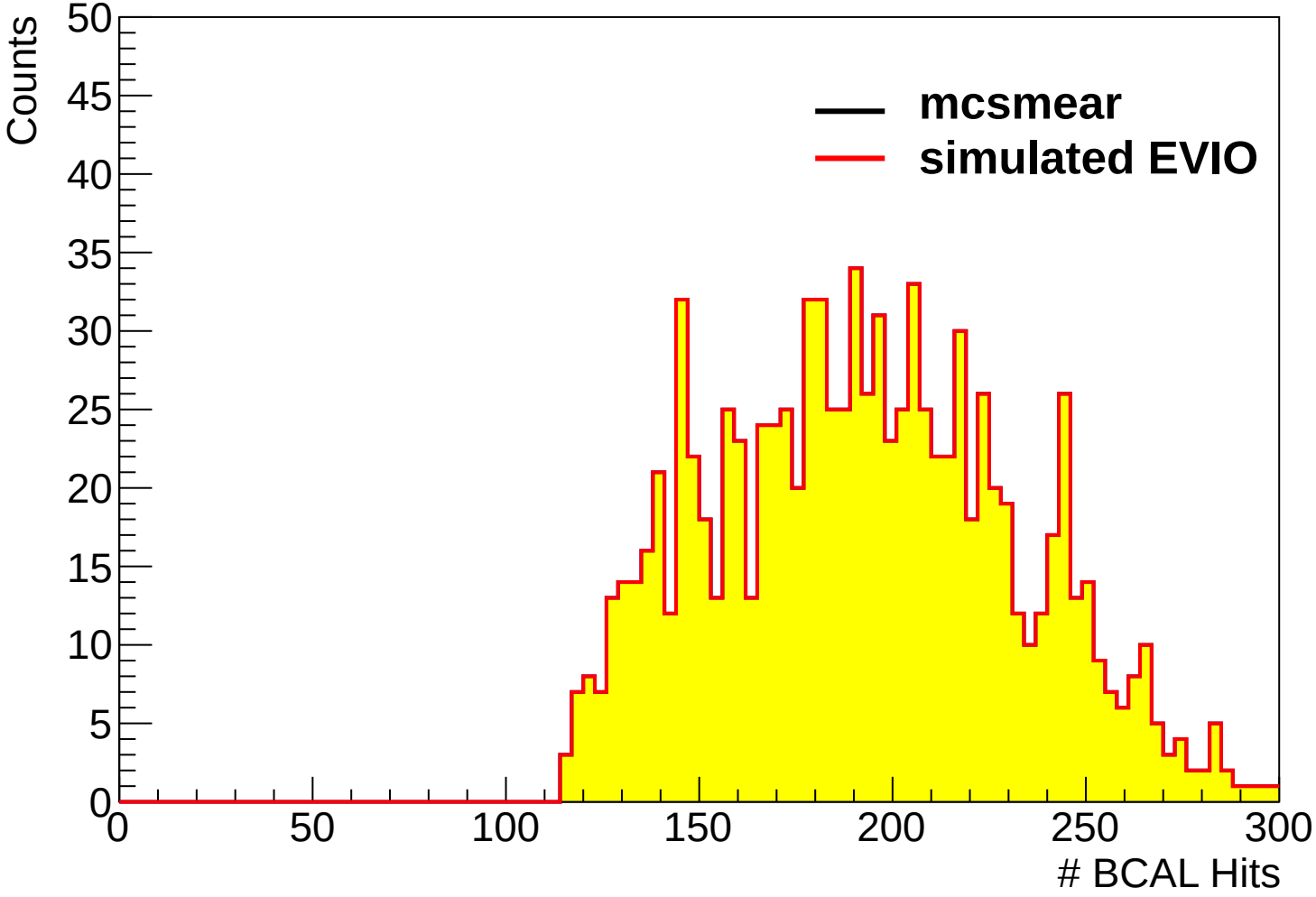
-0.5
-1
0
2
4
6
8
10
12
14
16
18
20
BCAL Showers)


Counts
50
45
40
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5
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0
50
100
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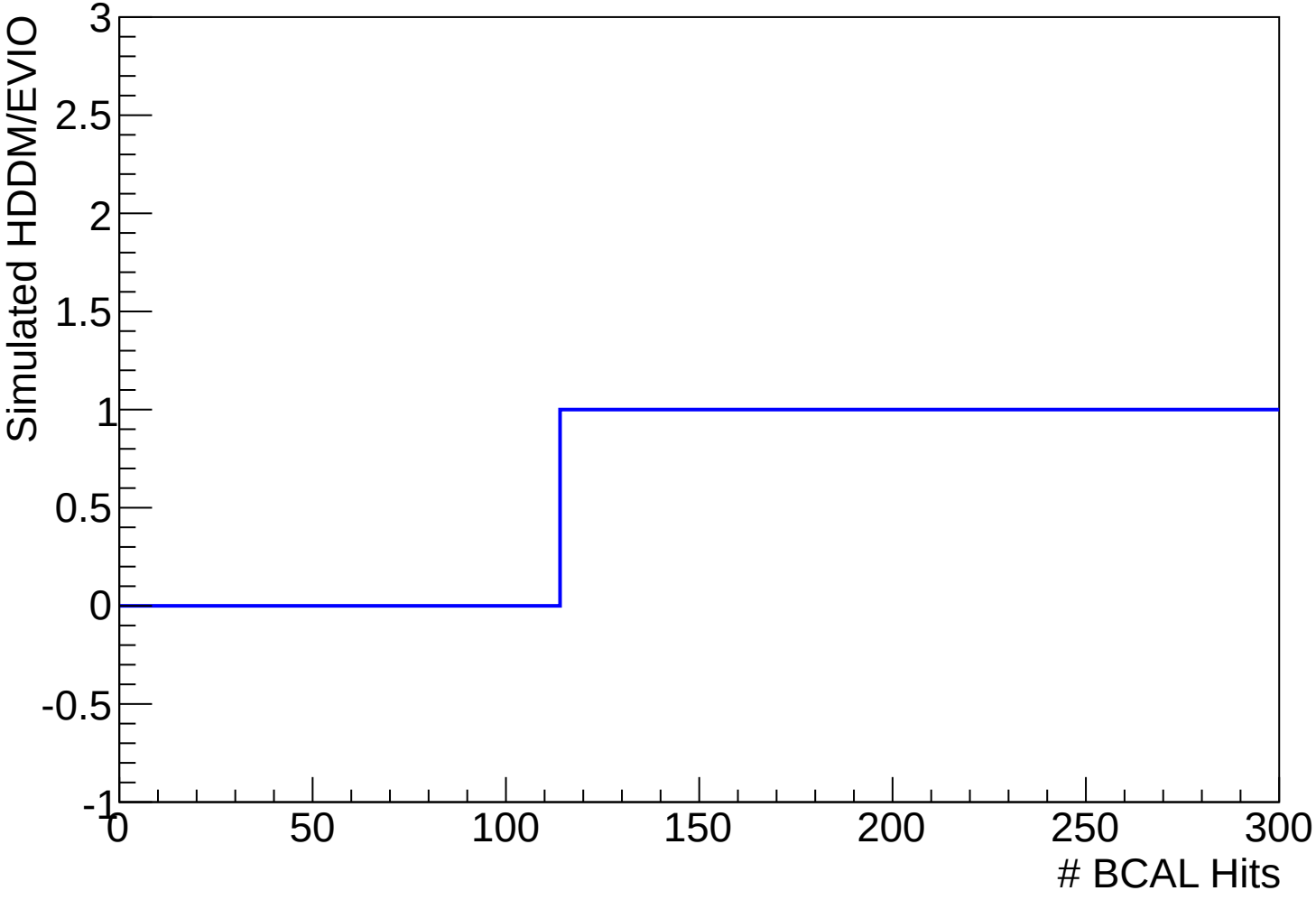
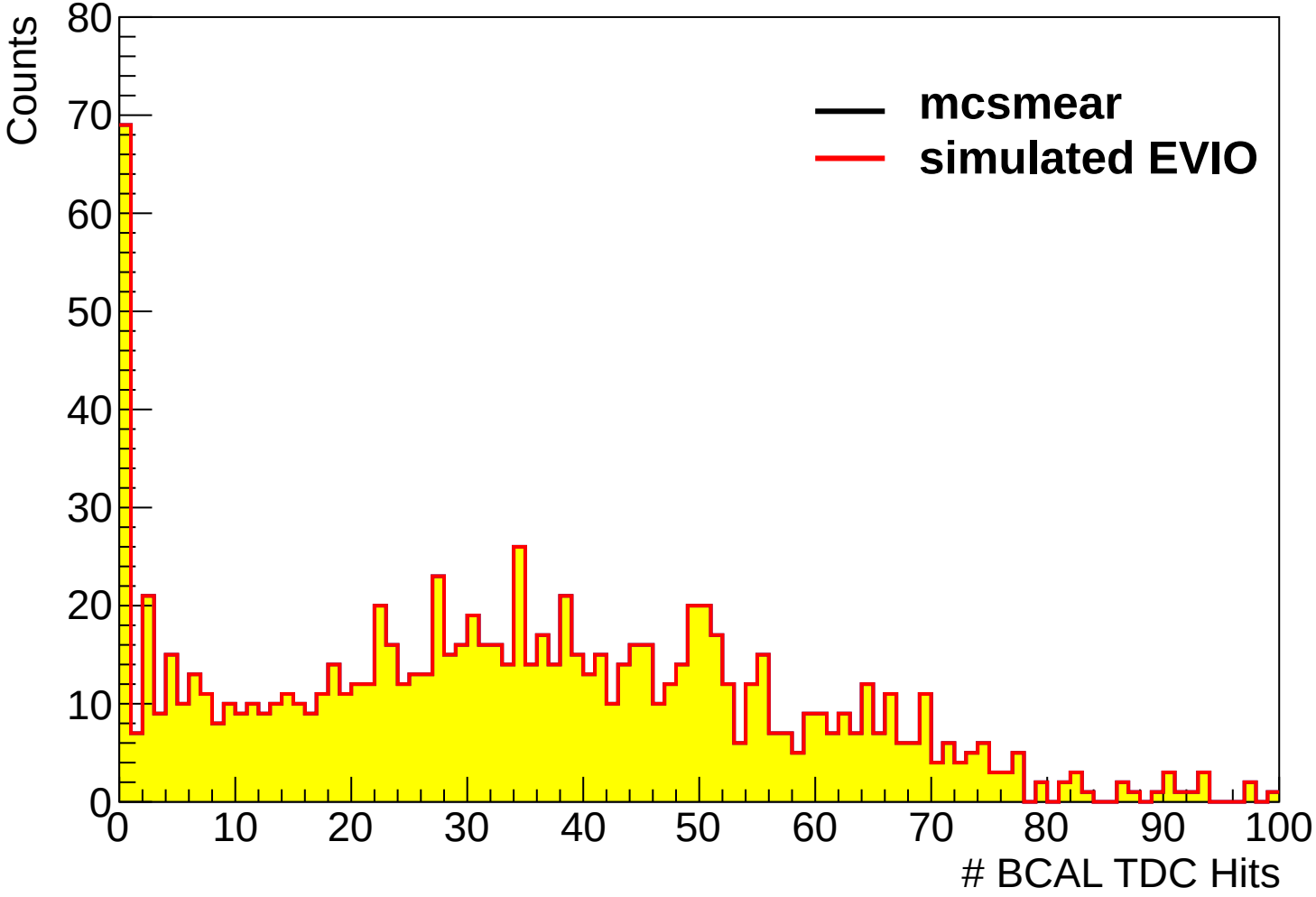
200
250
300
BCAL Hits
mcsmear
simulated EVIO


Simulated HDDM/EVIO
3
2.5
2
1.5
1
0.5
0
-0.5
-1
0
50
100
150
200
250
300
BCAL Hits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60
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40
30
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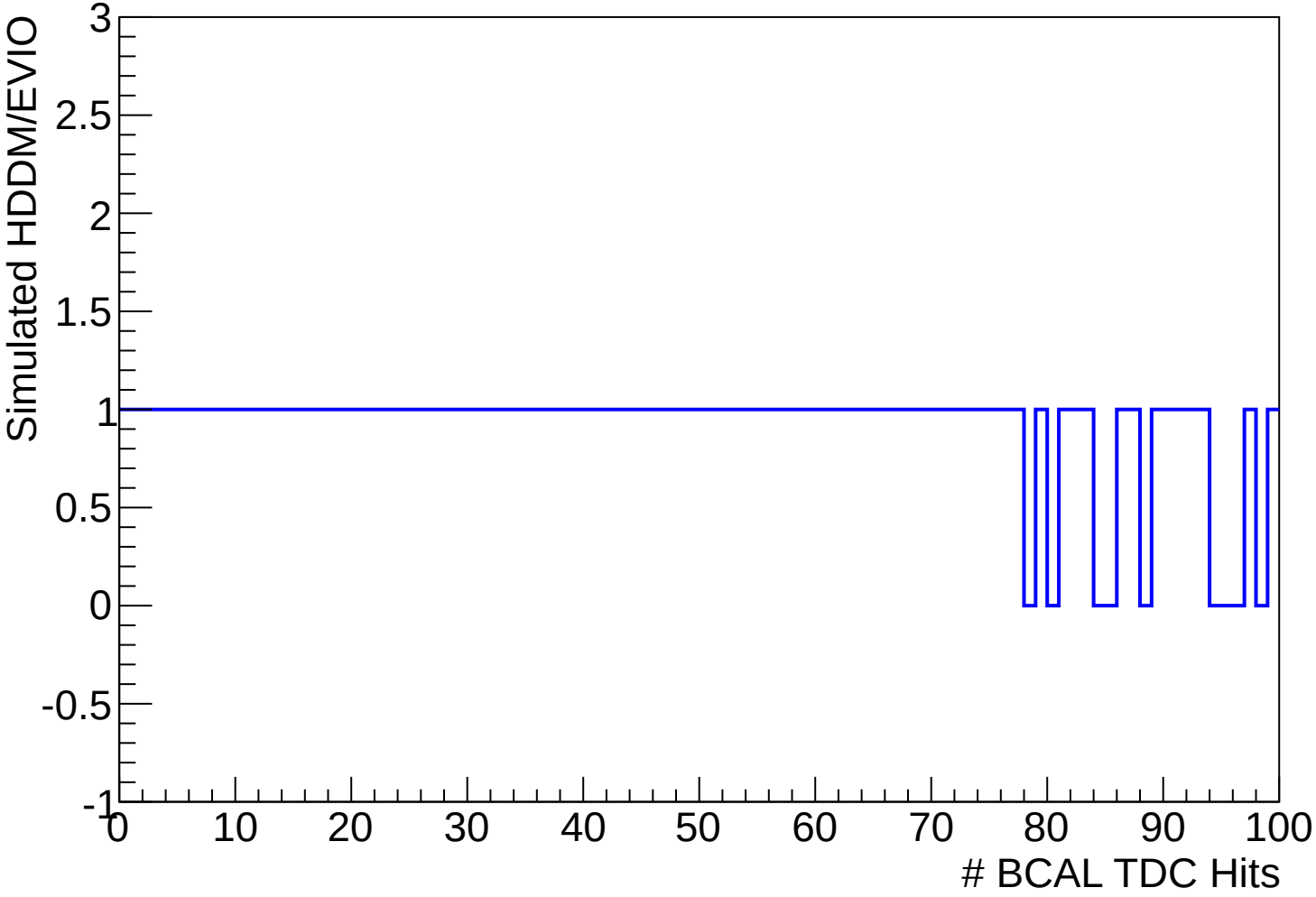
20
30
40
50
60
70
80
90
100
BCAL TDC Hits
mcsmear
simulated EVIO


Simulated HDDM/EVIO
3
2.5
2
1.5
1
0.5
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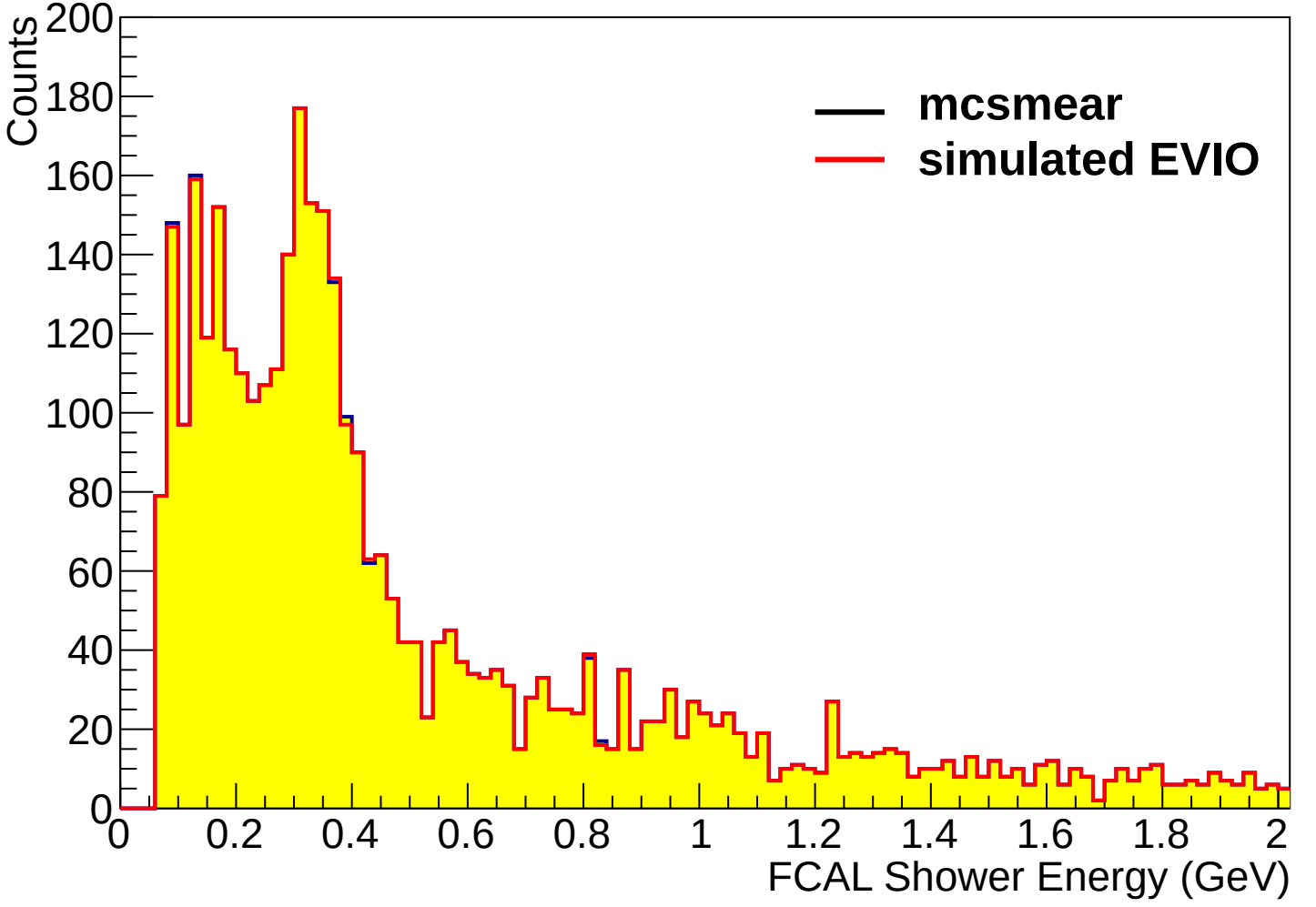
-1
0
10
20
30
40
50
60
70
80
90
100
BCAL TDC Hits


Counts
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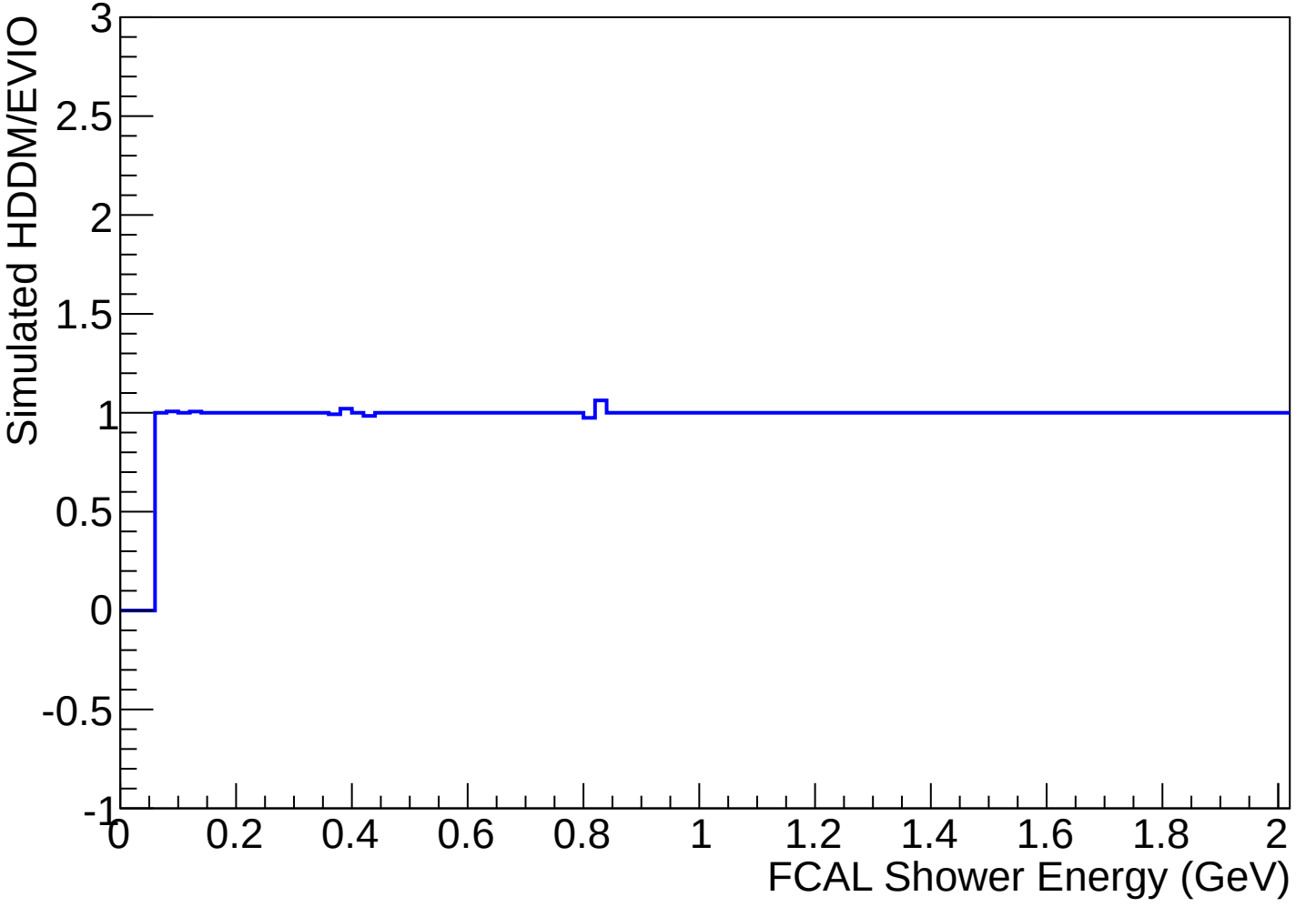
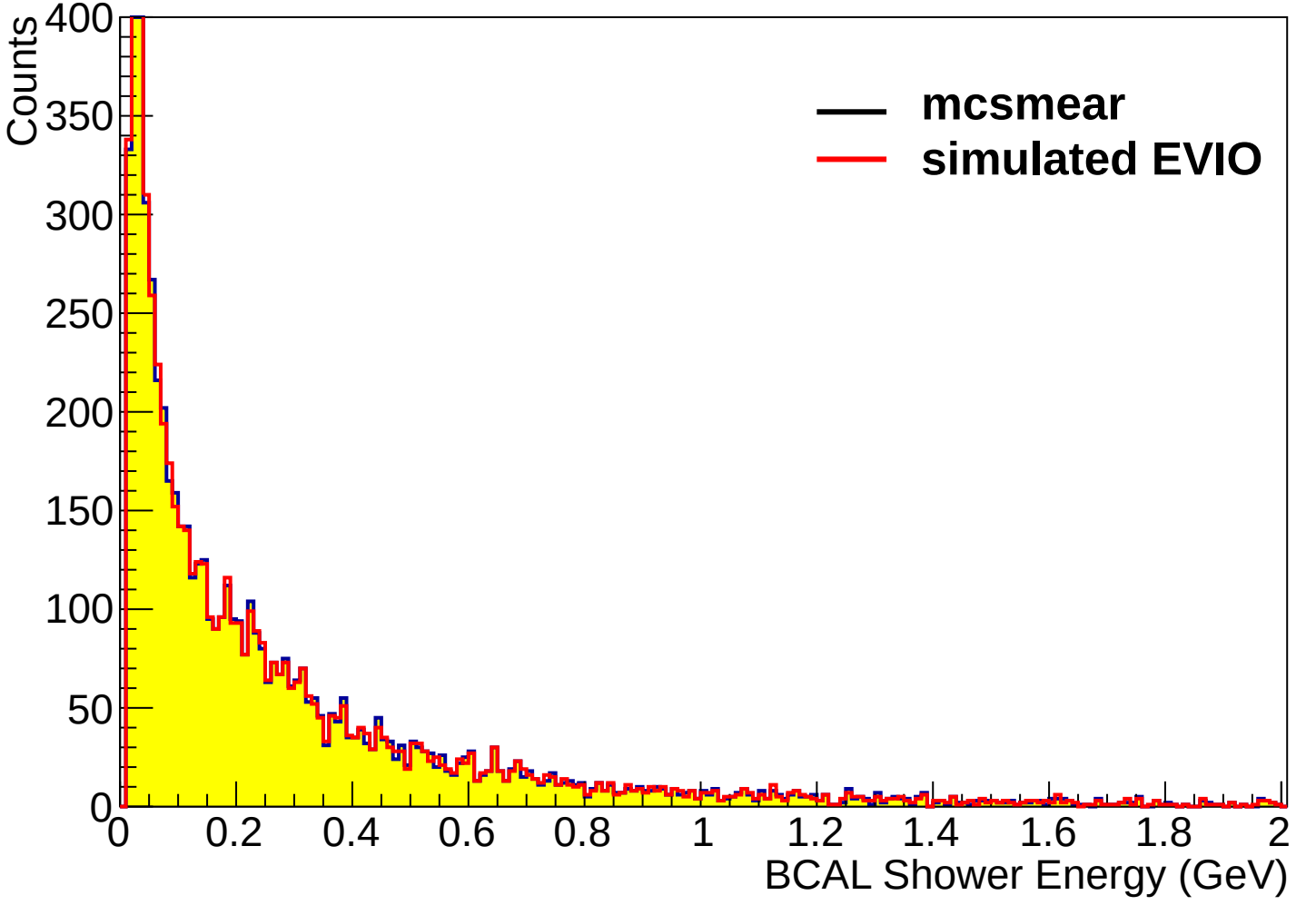
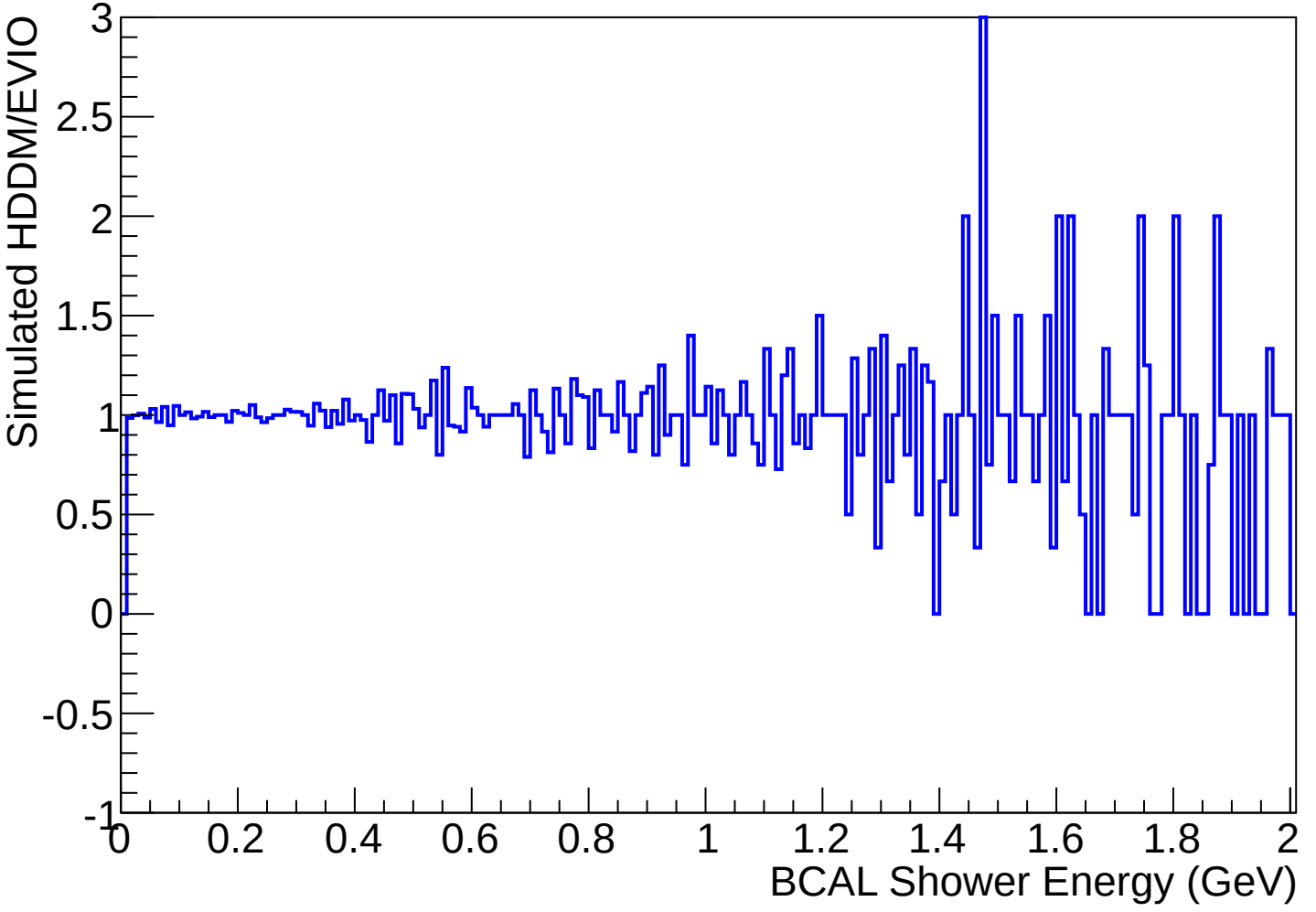
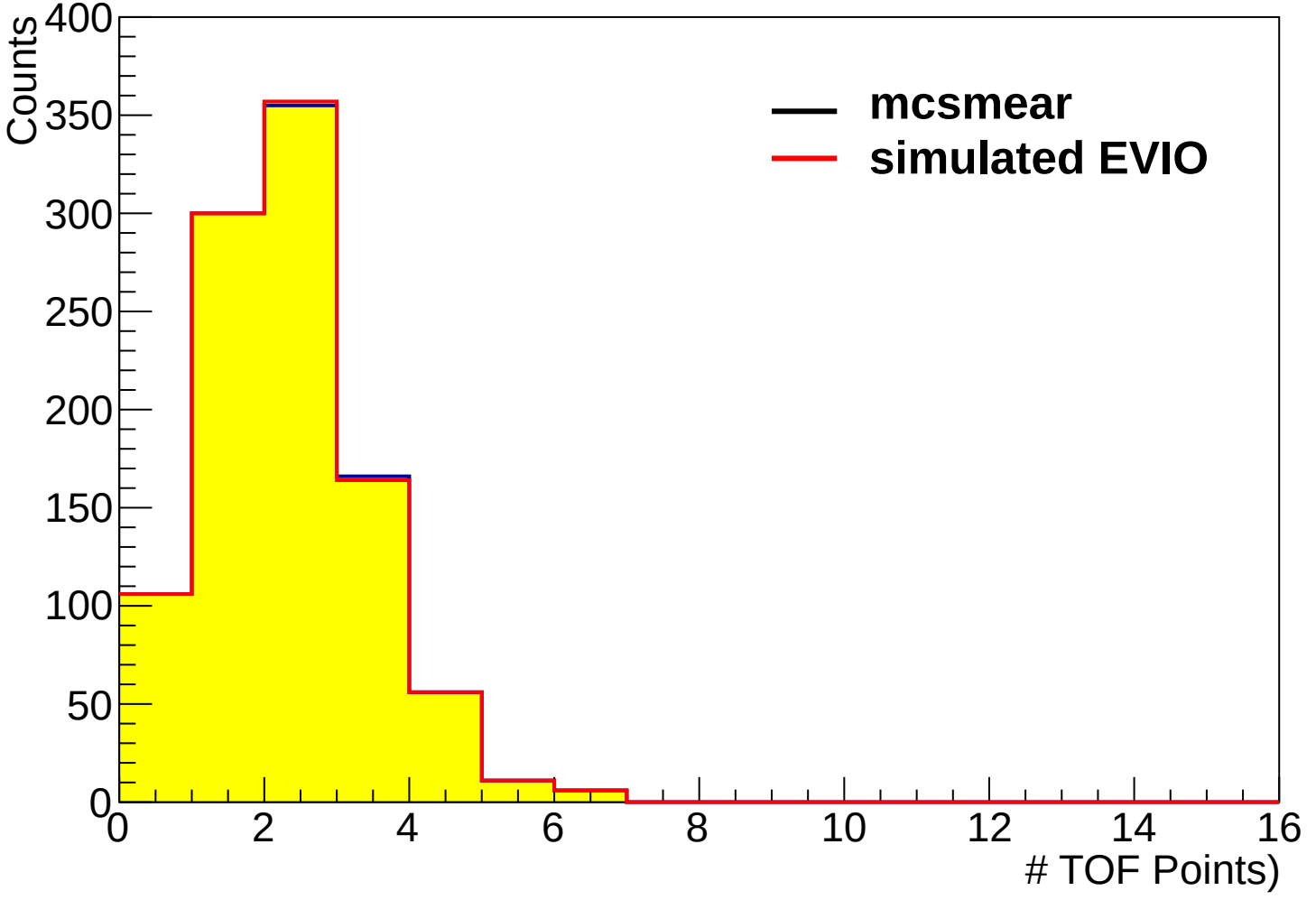
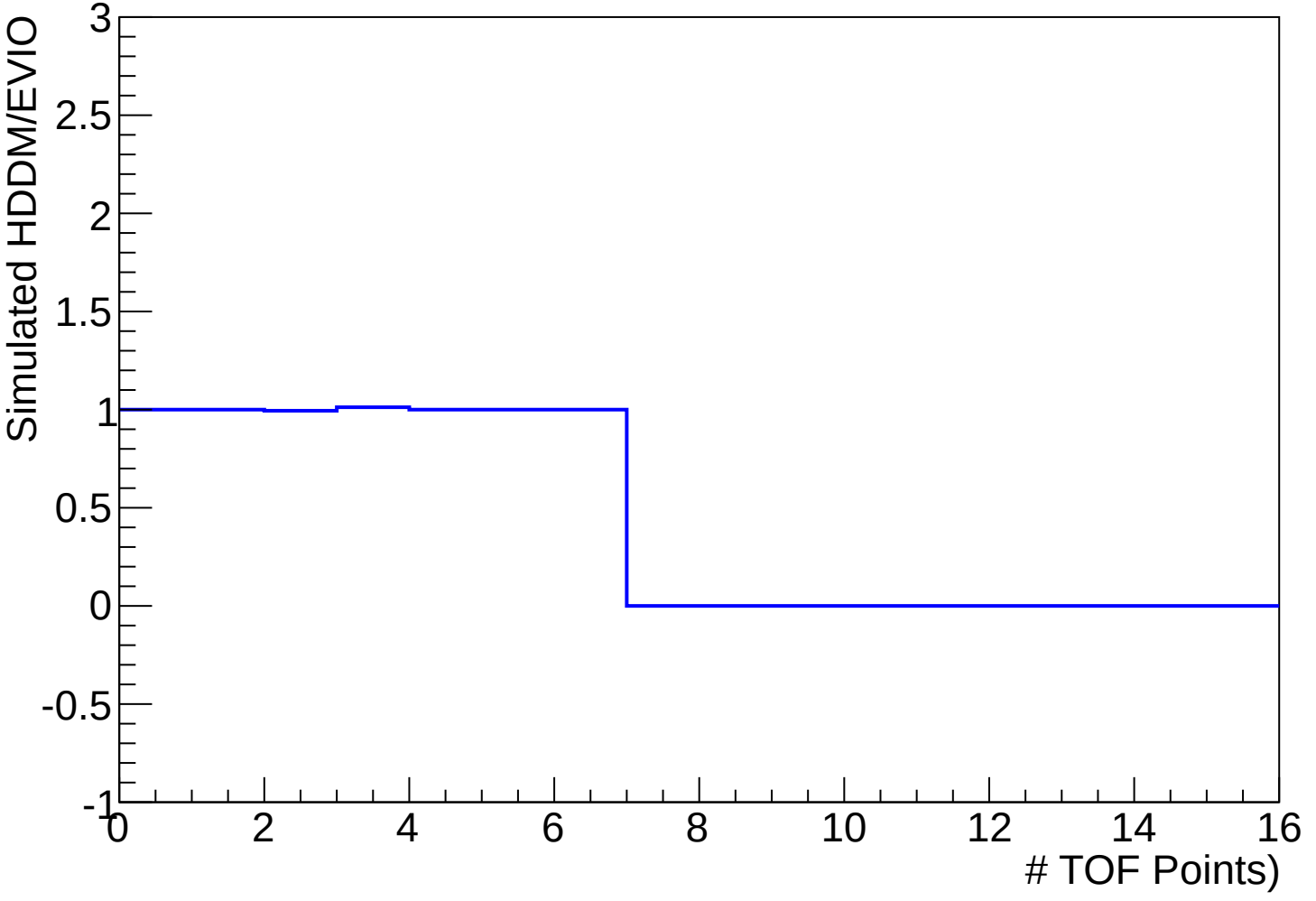
140
120
100
80
60
40
20
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
FCAL Shower Energy (GeV)
mcsmear
simulated EVIO


Simulated HDDM/EVIO
3
2.5
2
1.5
1
0.5
0
-0.5
-1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
FCAL Shower Energy (GeV)


Counts
400
350
300
250
200
150
100
50
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
BCAL Shower Energy (GeV)
mcsmear
simulated EVIO


Simulated HDDM/EVIO
3
2.5
2
1.5
1
0.5
0
-0.5
-1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
BCAL Shower Energy (GeV)


Counts
400
350
300
250
200
150
100
50
0
0
2
4
6
8
10
12
14
16
TOF Points)
mcsmear
simulated EVIO


Simulated HDDM/EVIO
3
2.5
2
1.5
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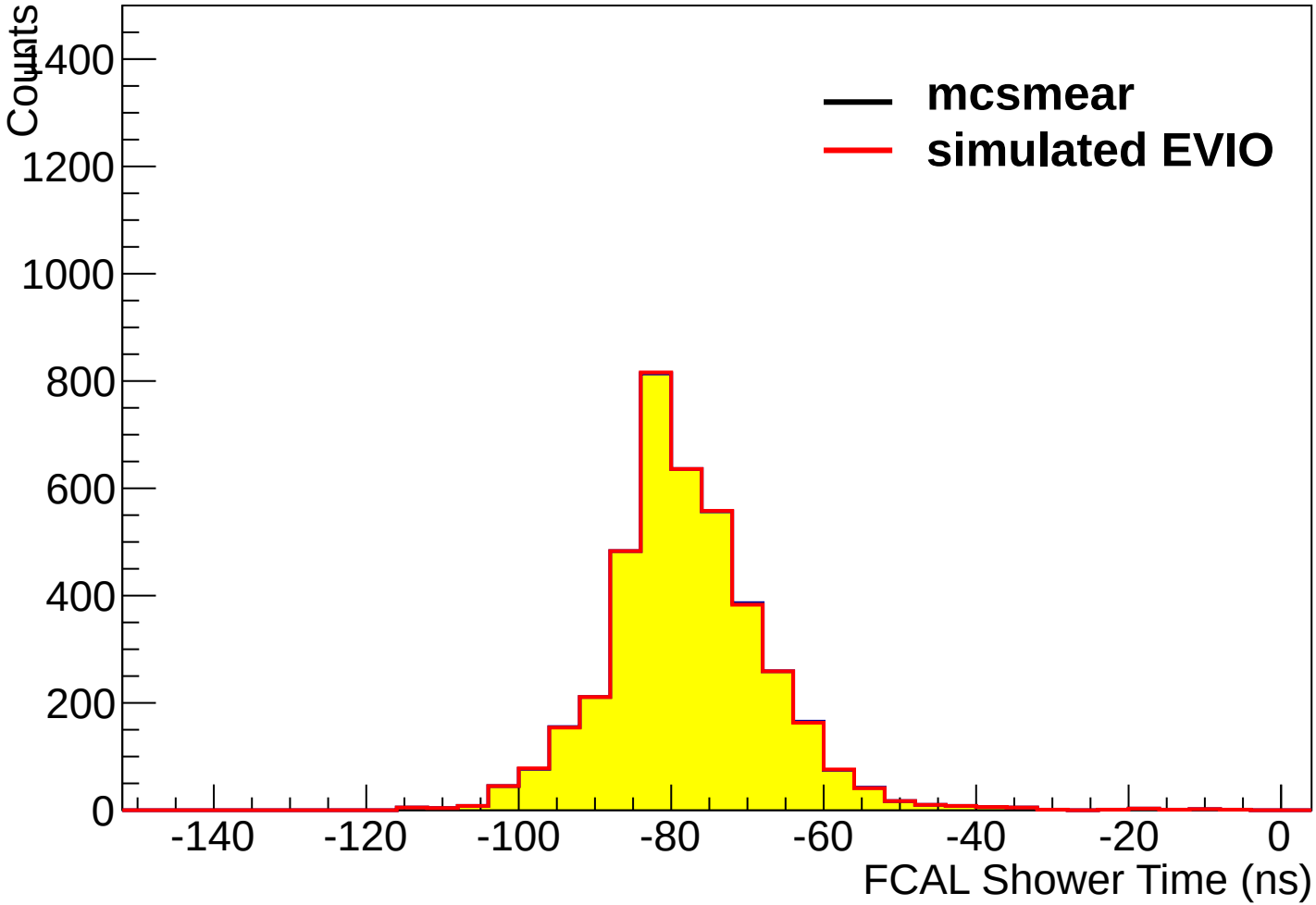
0.5
0
-0.5
-1
0
2
4
6
8
10
12
14
16
TOF Points)


Counts
1400
1200
1000
800
600
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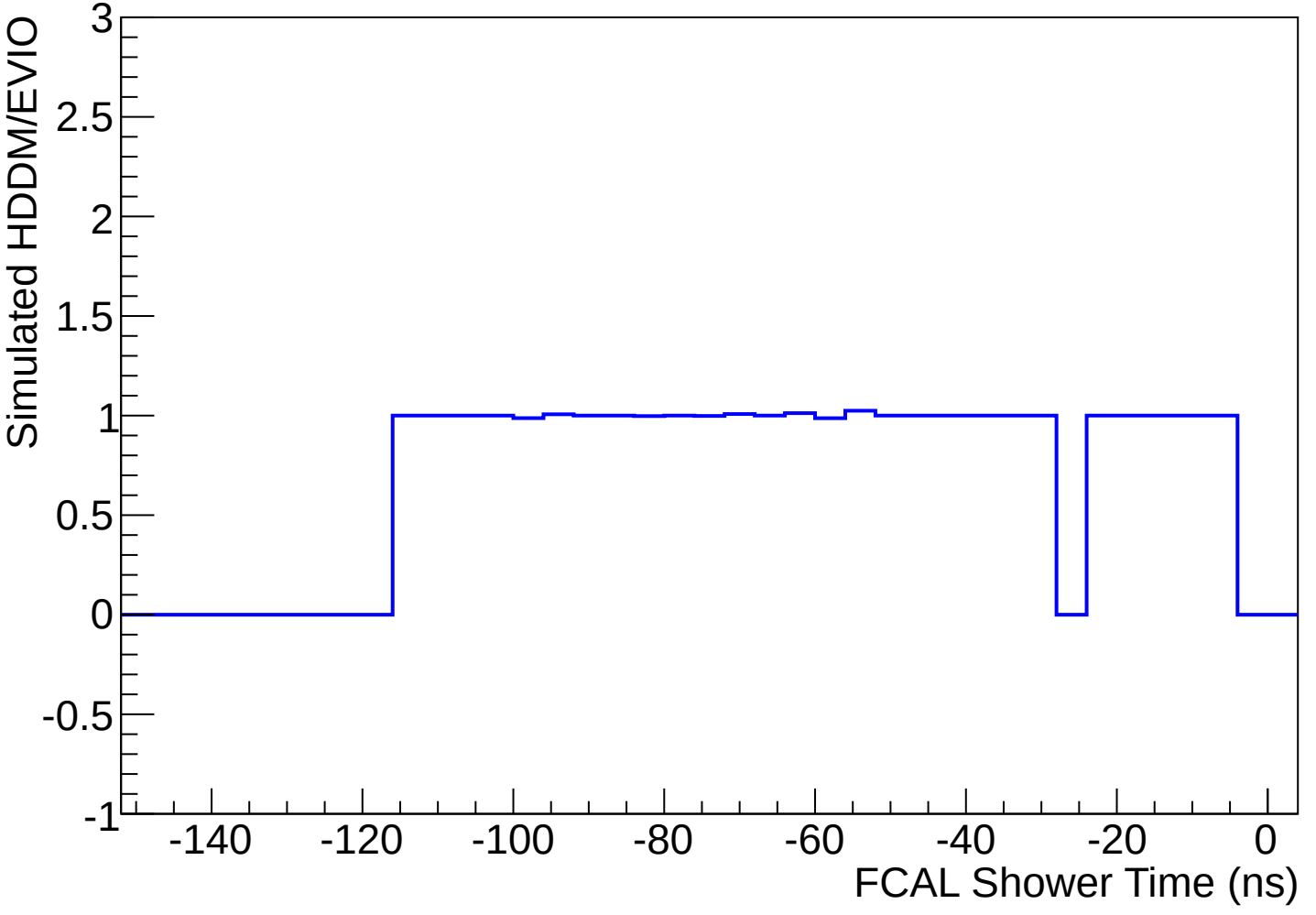
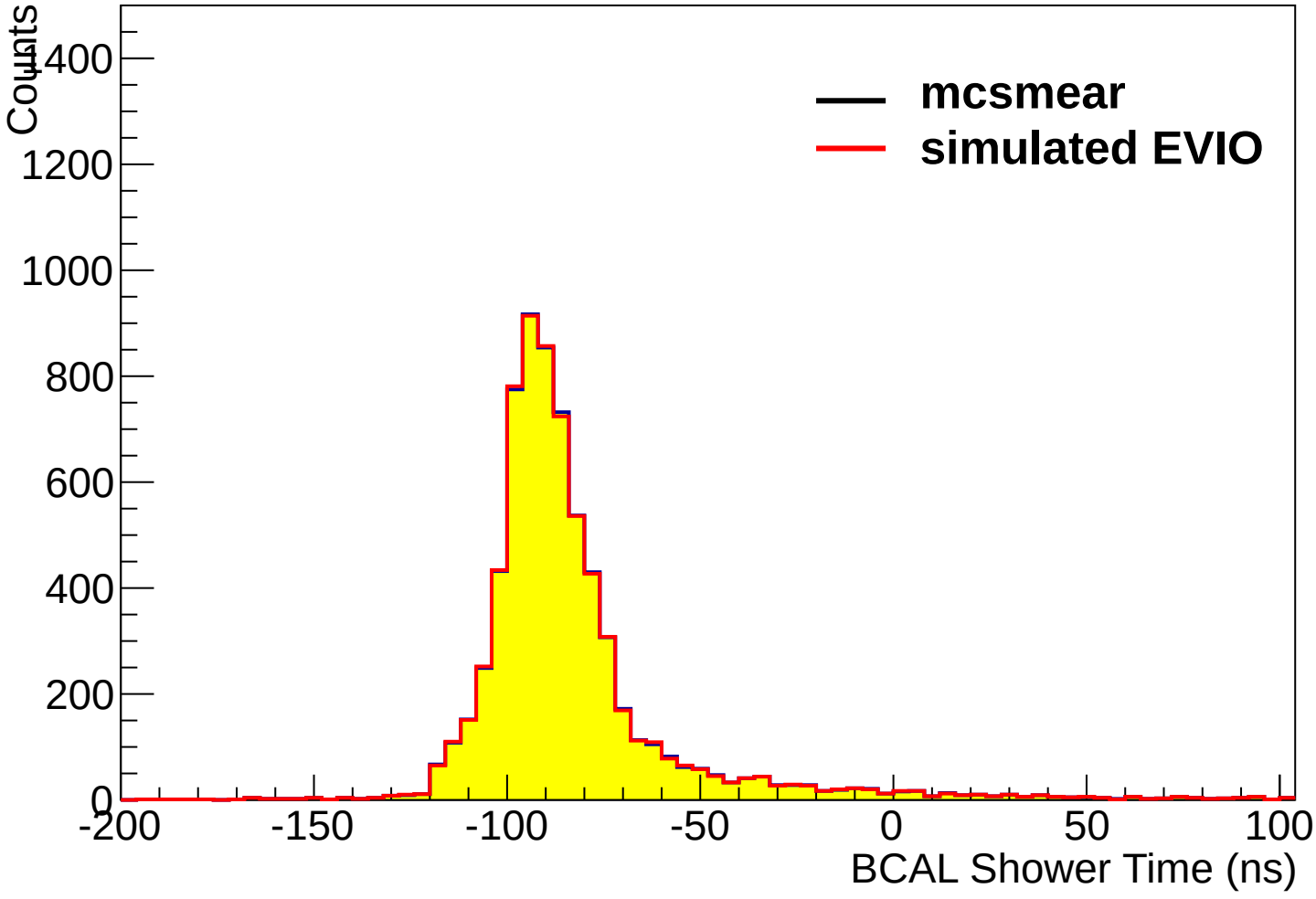
-120
-100
-80
-60
-40
-20
0
FCAL Shower Time (ns)
mcsmear
simulated EVIO


Simulated HDDM/EVIO
3
2.5
2
1.5
1
0.5
0
-0.5
-1
-140
-120
-100
-80
-60
-40
-20
0
FCAL Shower Time (ns)


Counts
1400
1200
1000
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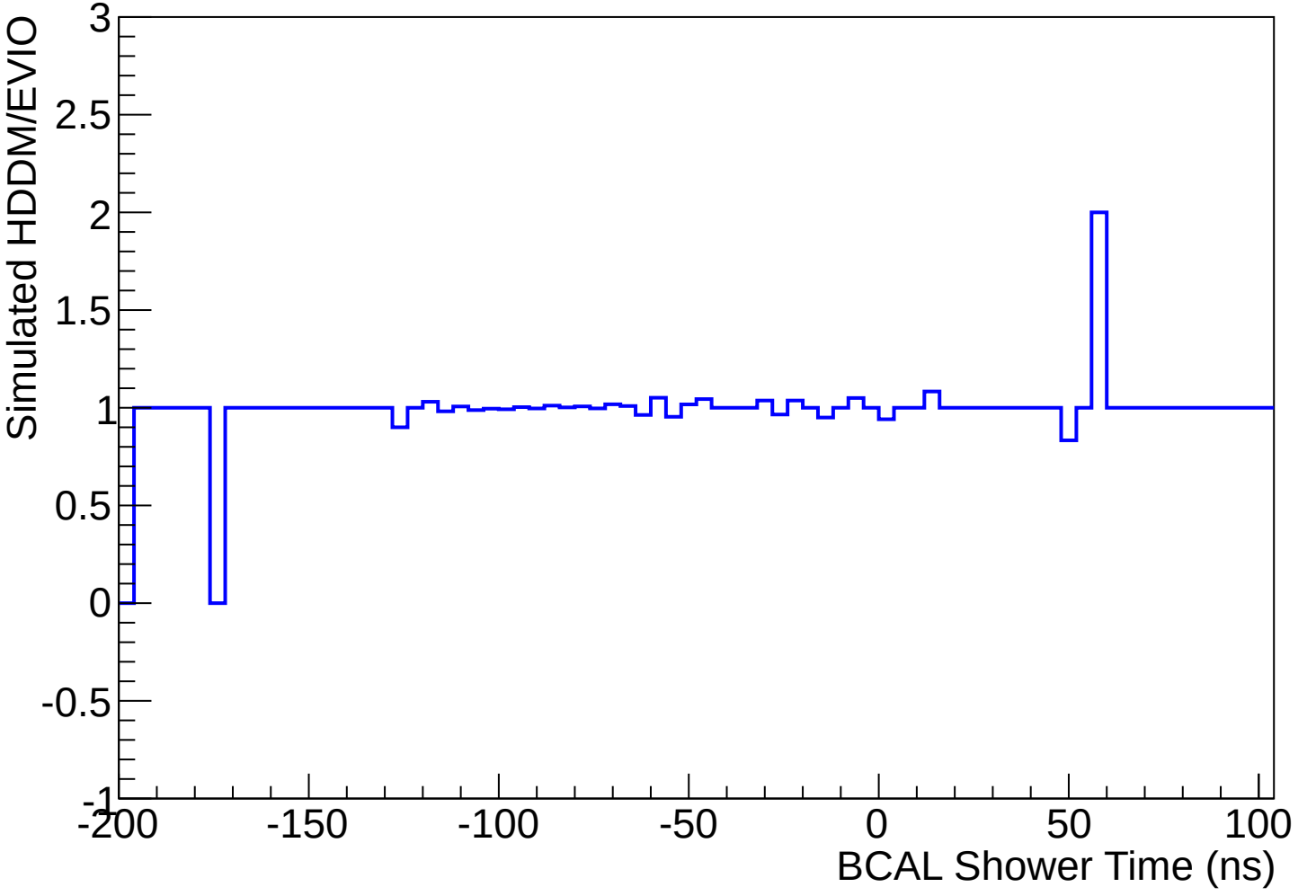
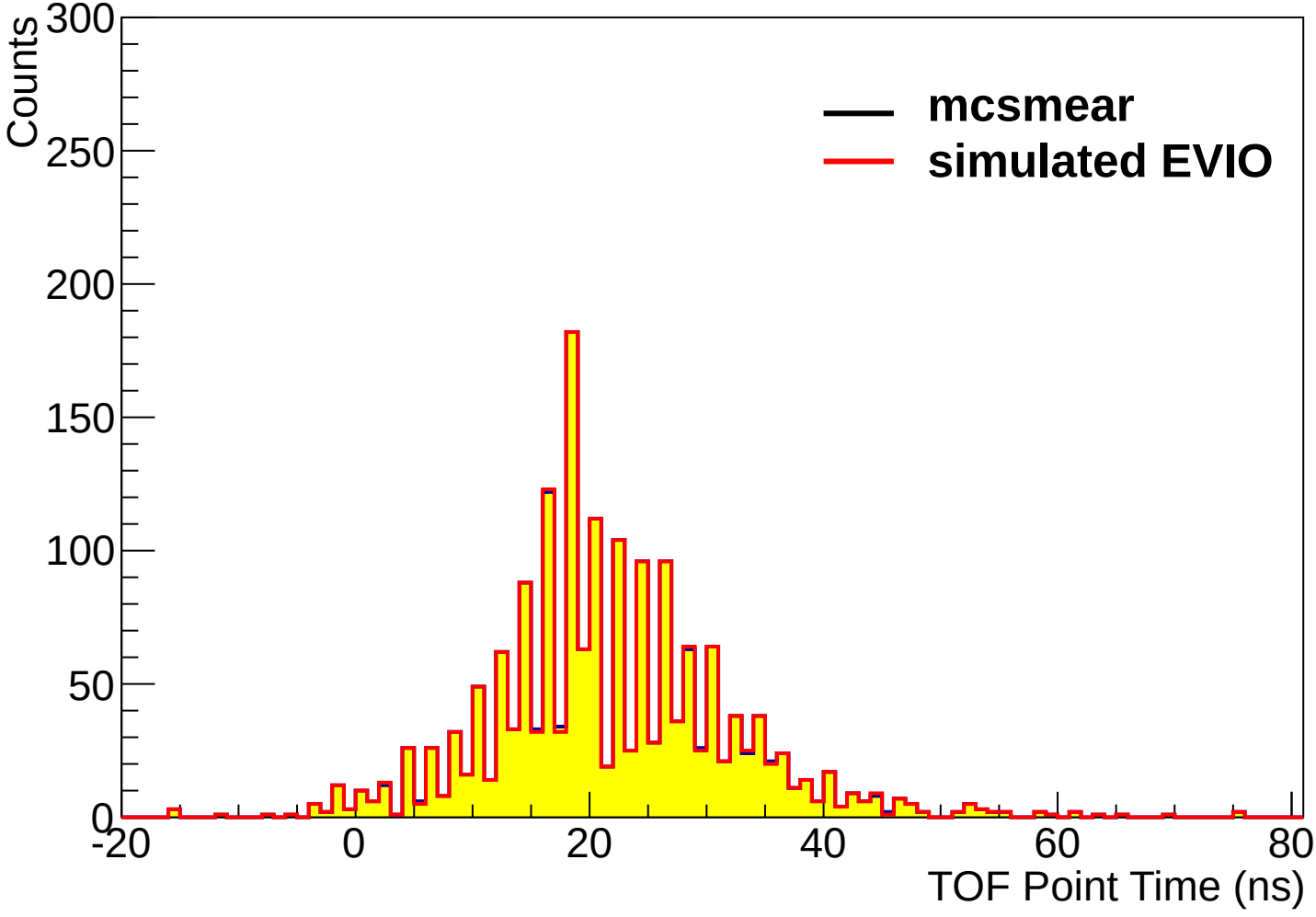
-150
-100
-50
0
50
100
BCAL Shower Time (ns)
mcsmear
simulated EVIO


Simulated HDDM/EVIO
3
2.5
2
1.5
1
0.5
0
-0.5
-1
-200
-150
-100
-50
0
50
100
BCAL Shower Time (ns)


Counts
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100
50
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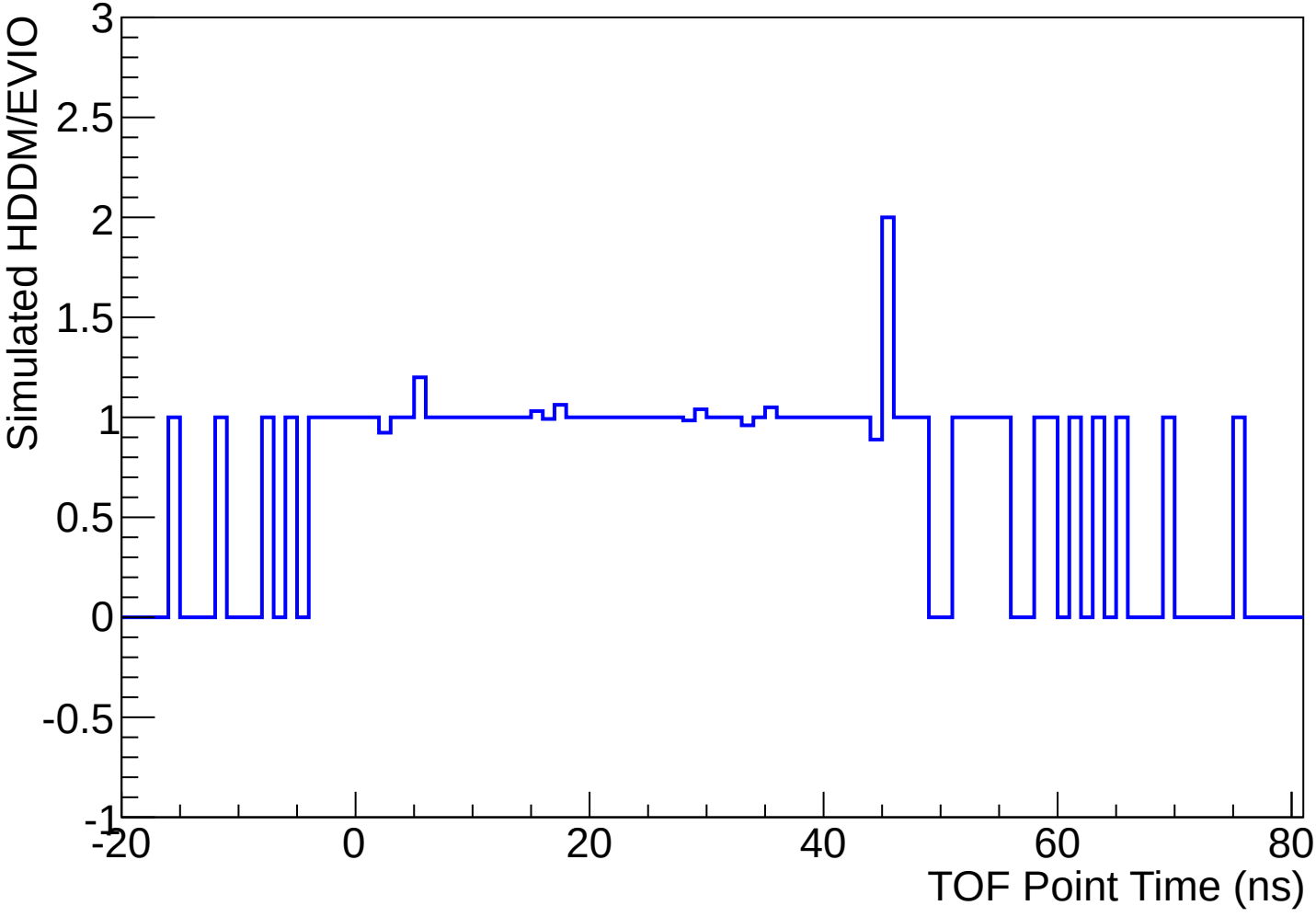
20
40
60
80
TOF Point Time (ns)
mcsmear
simulated EVIO


Simulated HDDM/EVIO
3
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2
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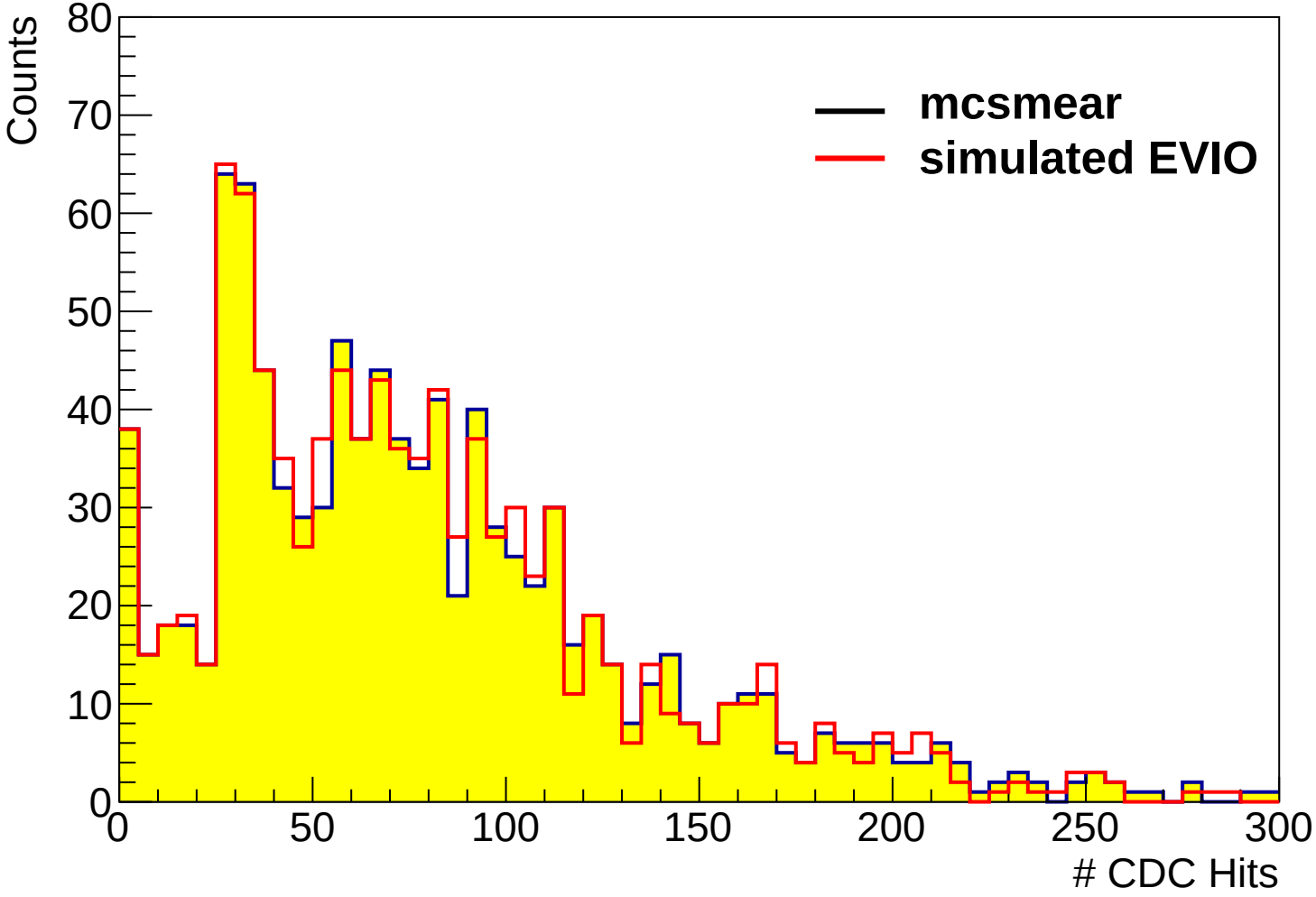
1
0.5
0
-0.5
-1
-20
0
20
40
60
80
TOF Point Time (ns)


Counts
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100
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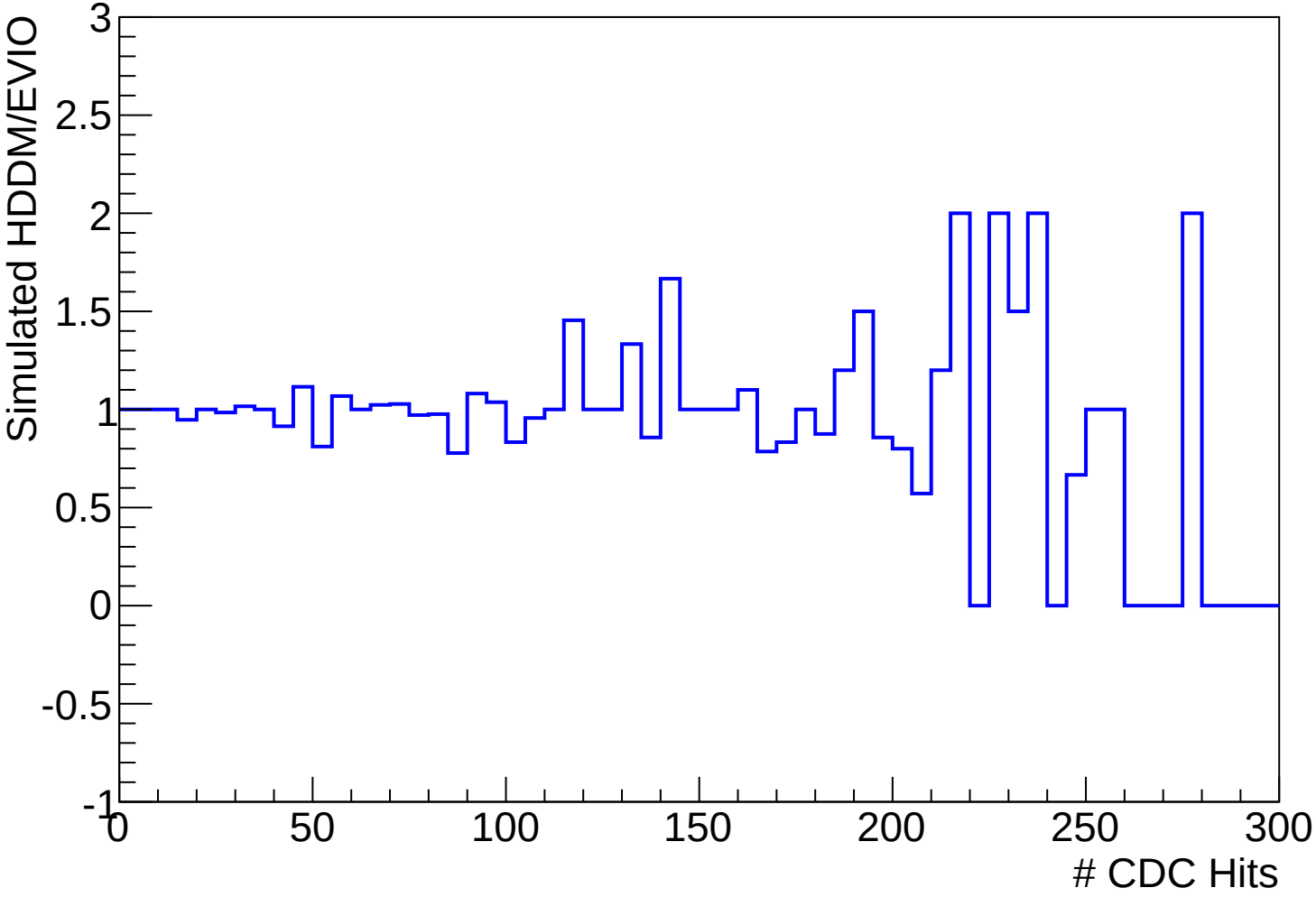
200
250
300
CDC Hits
mcsmear
simulated EVIO


Simulated HDDM/EVIO
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2
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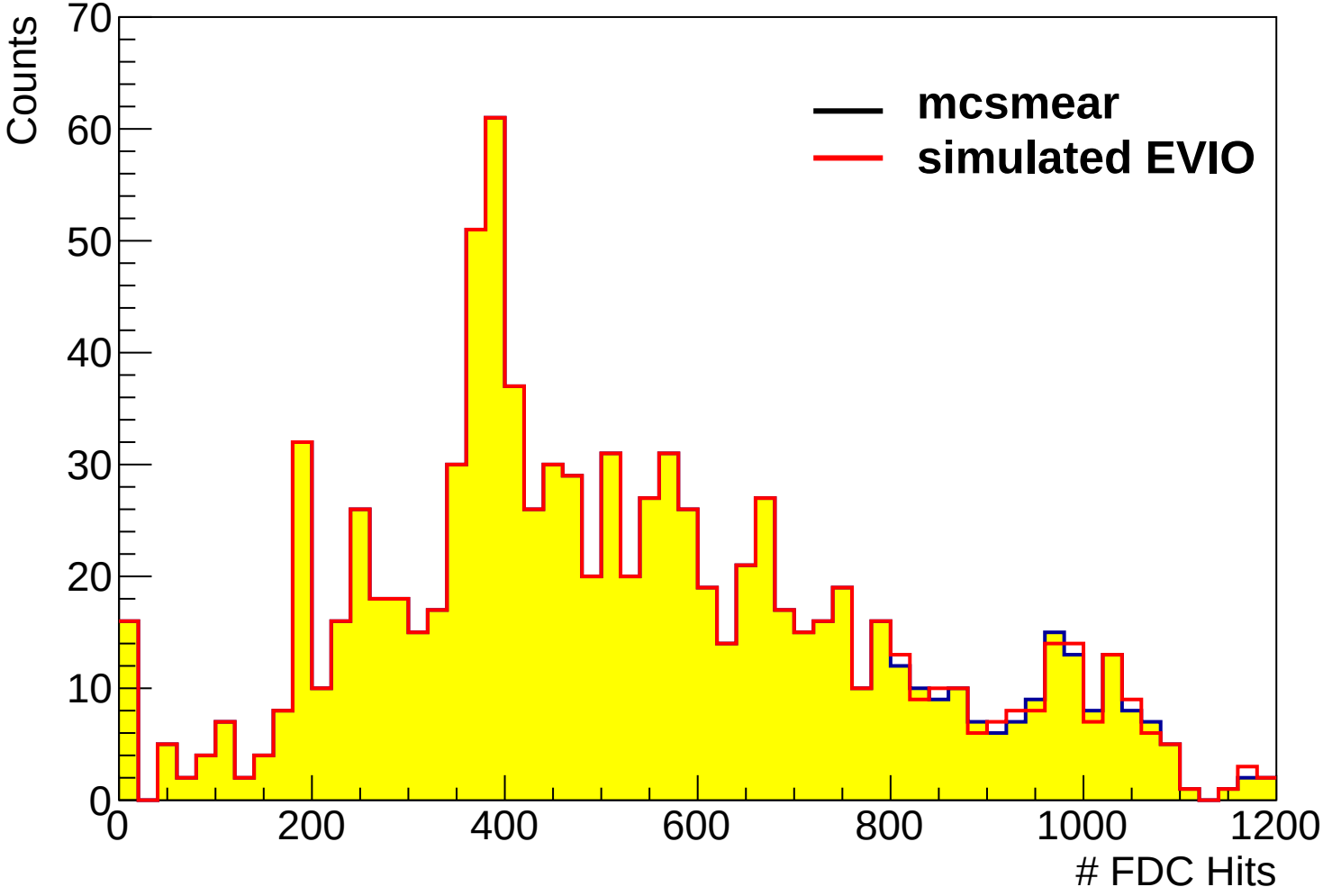
1
0.5
0
-0.5
-1
0
50
100
150
200
250
300
CDC Hits


Counts
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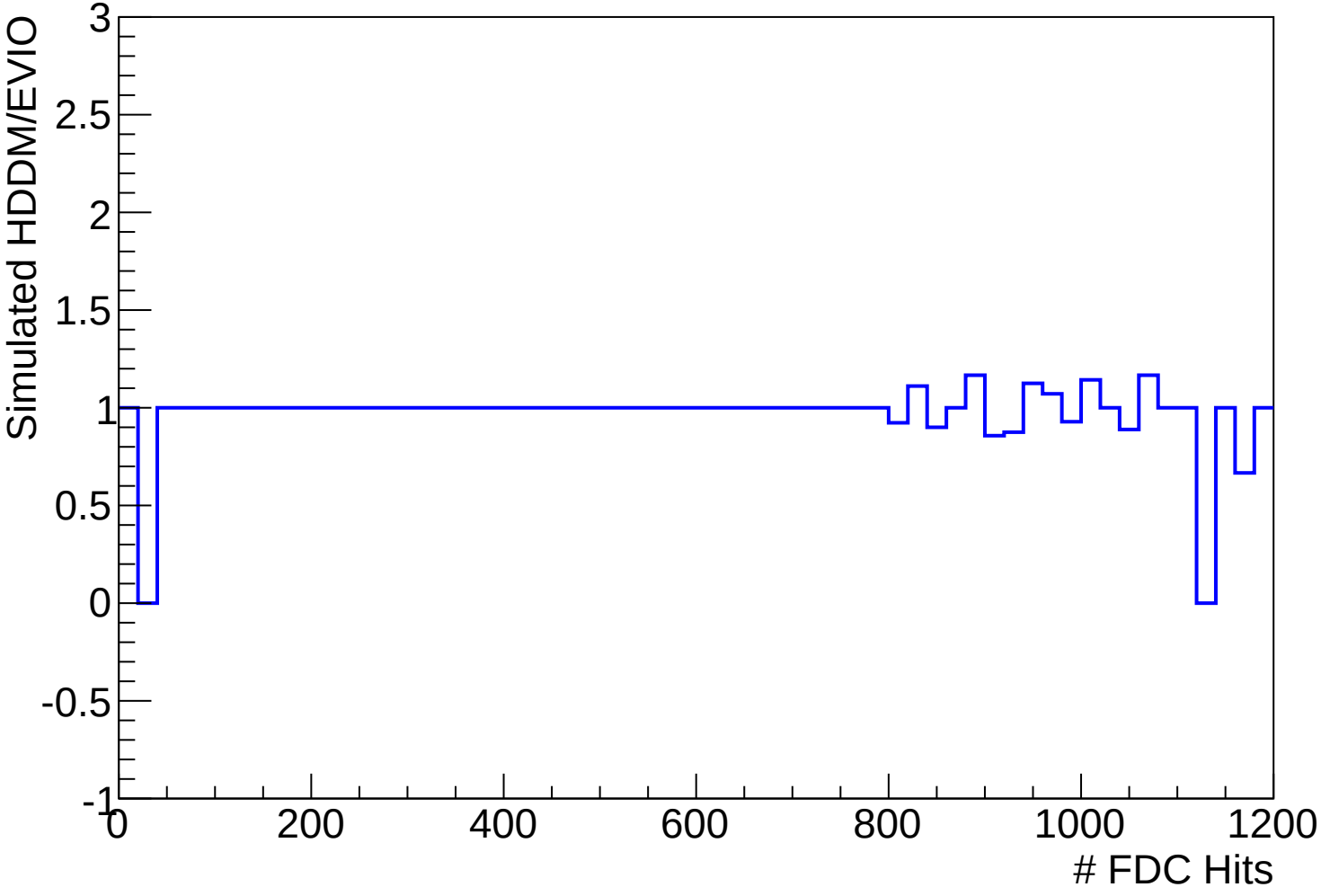
800
1000
1200
FDC Hits
mcsmear
simulated EVIO


Simulated HDDM/EVIO
3
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1
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-0.5
-1
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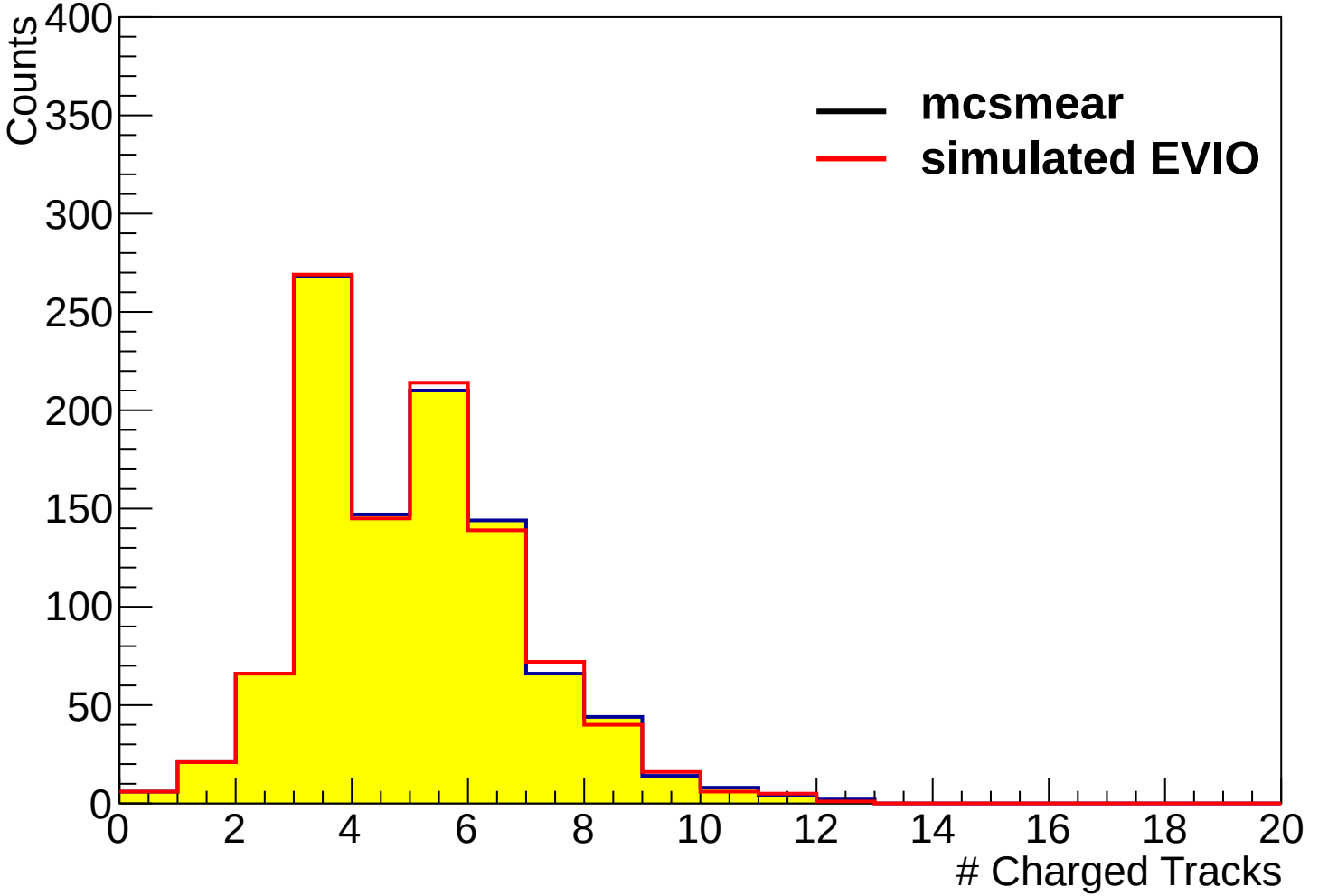
200
400
600
800
1000
1200
FDC Hits


Counts
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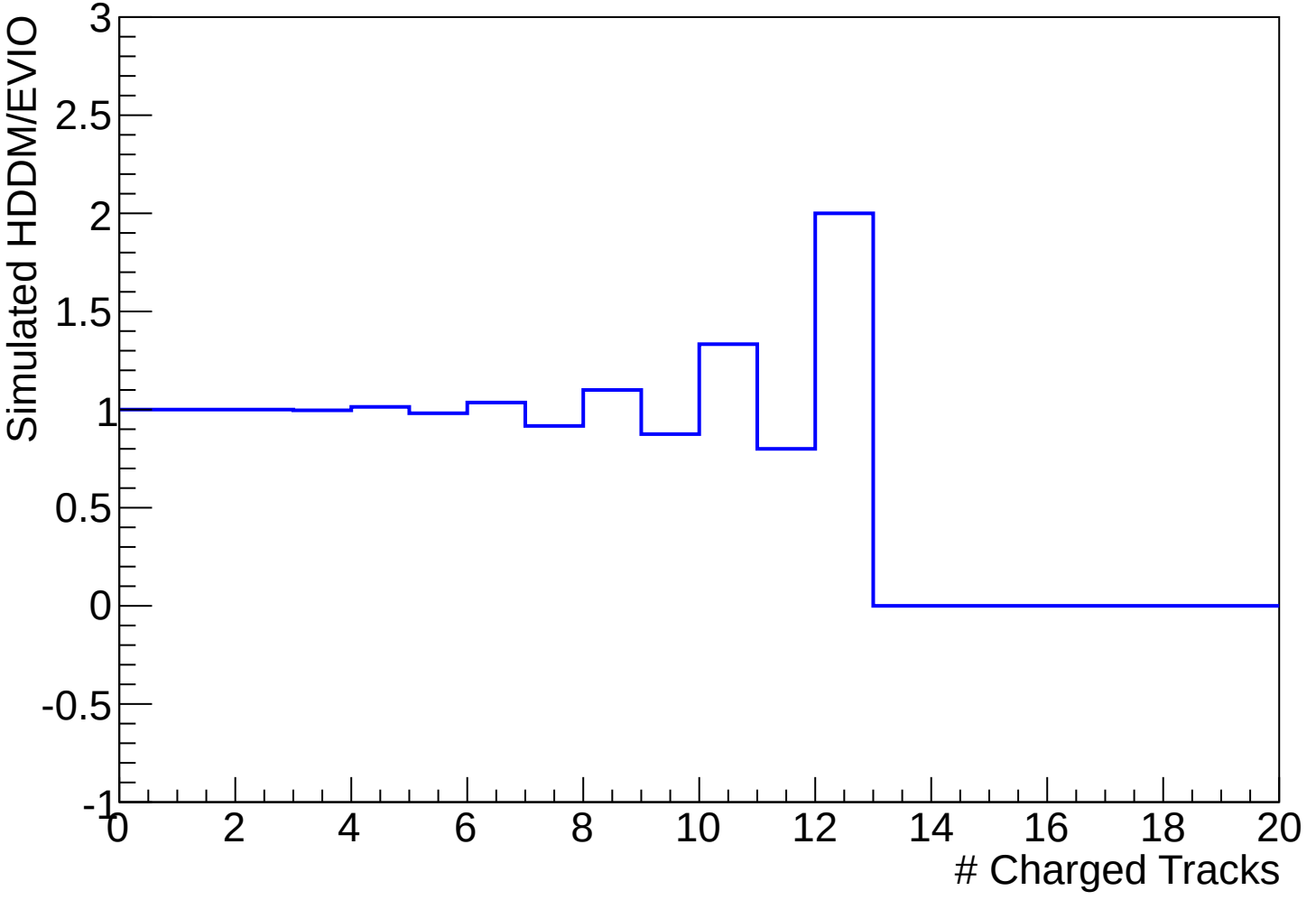
18
20
Charged Tracks
mcsmear
simulated EVIO


Simulated HDDM/EVIO
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2.5
2
1.5
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-1
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2
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12
14
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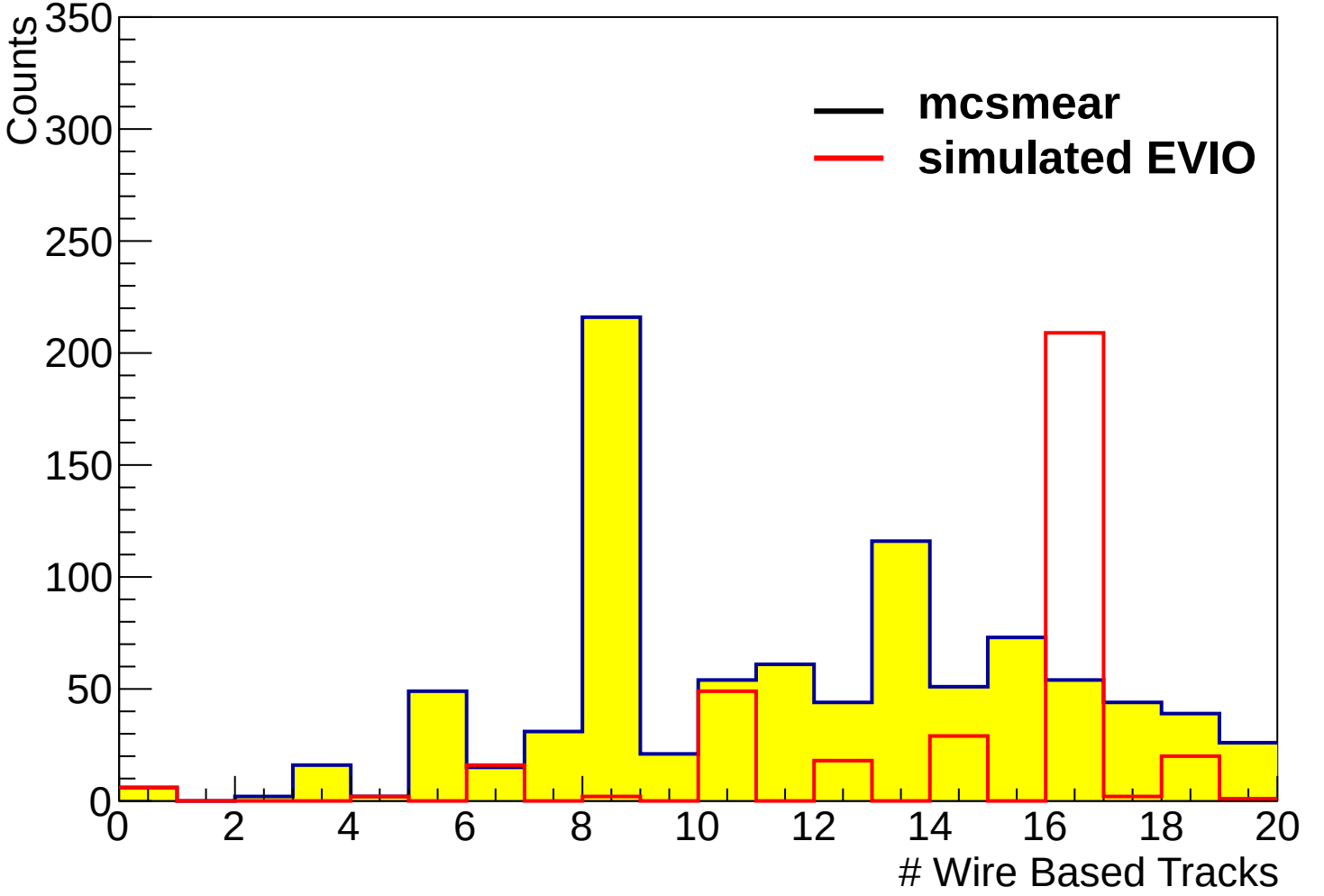
18
20
Charged Tracks


Counts
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300
250
200
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4
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8
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12
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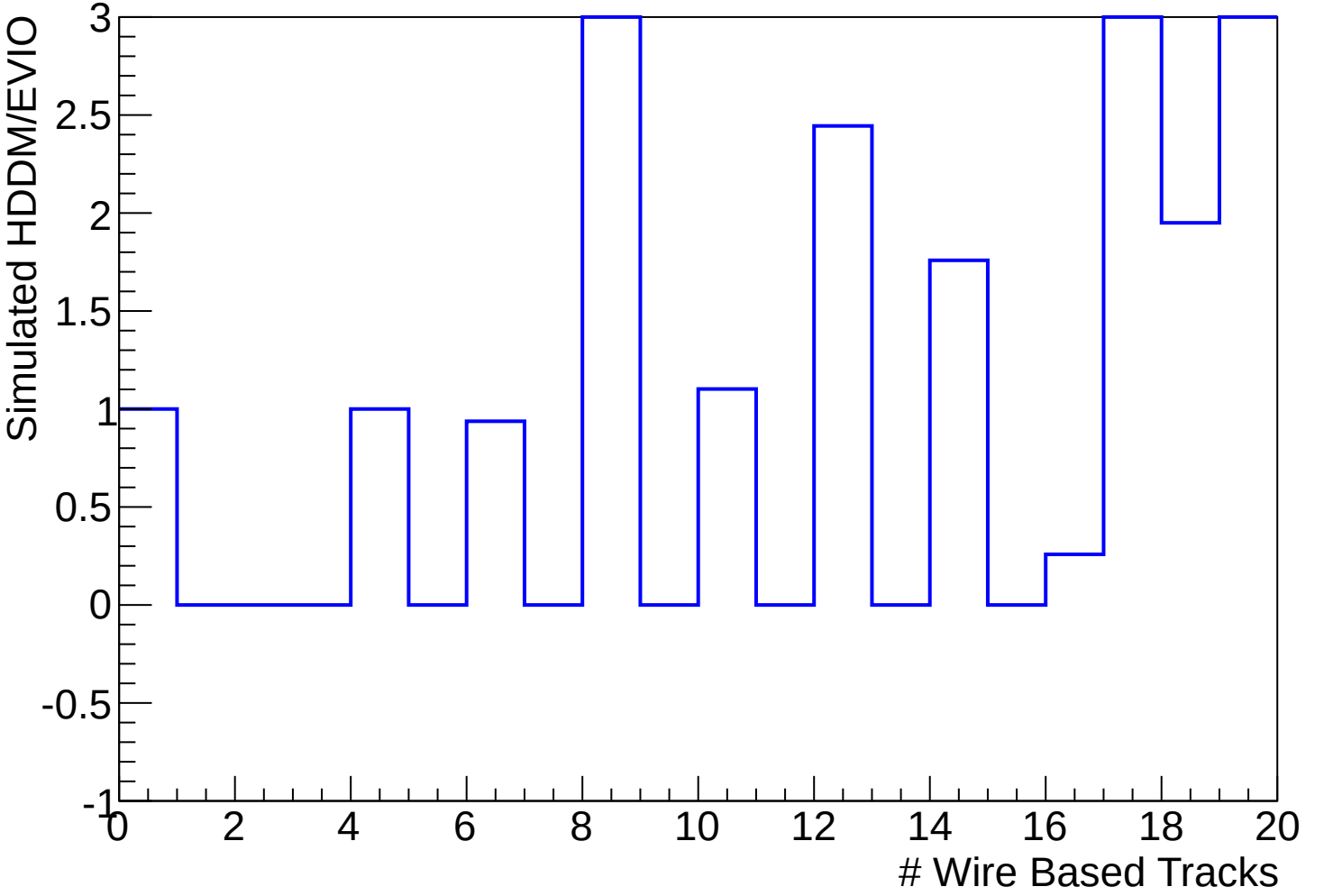
16
18
20
Wire Based Tracks
mcsmear
simulated EVIO


Simulated HDDM/EVIO
3
2.5
2
1.5
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-1
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2
4
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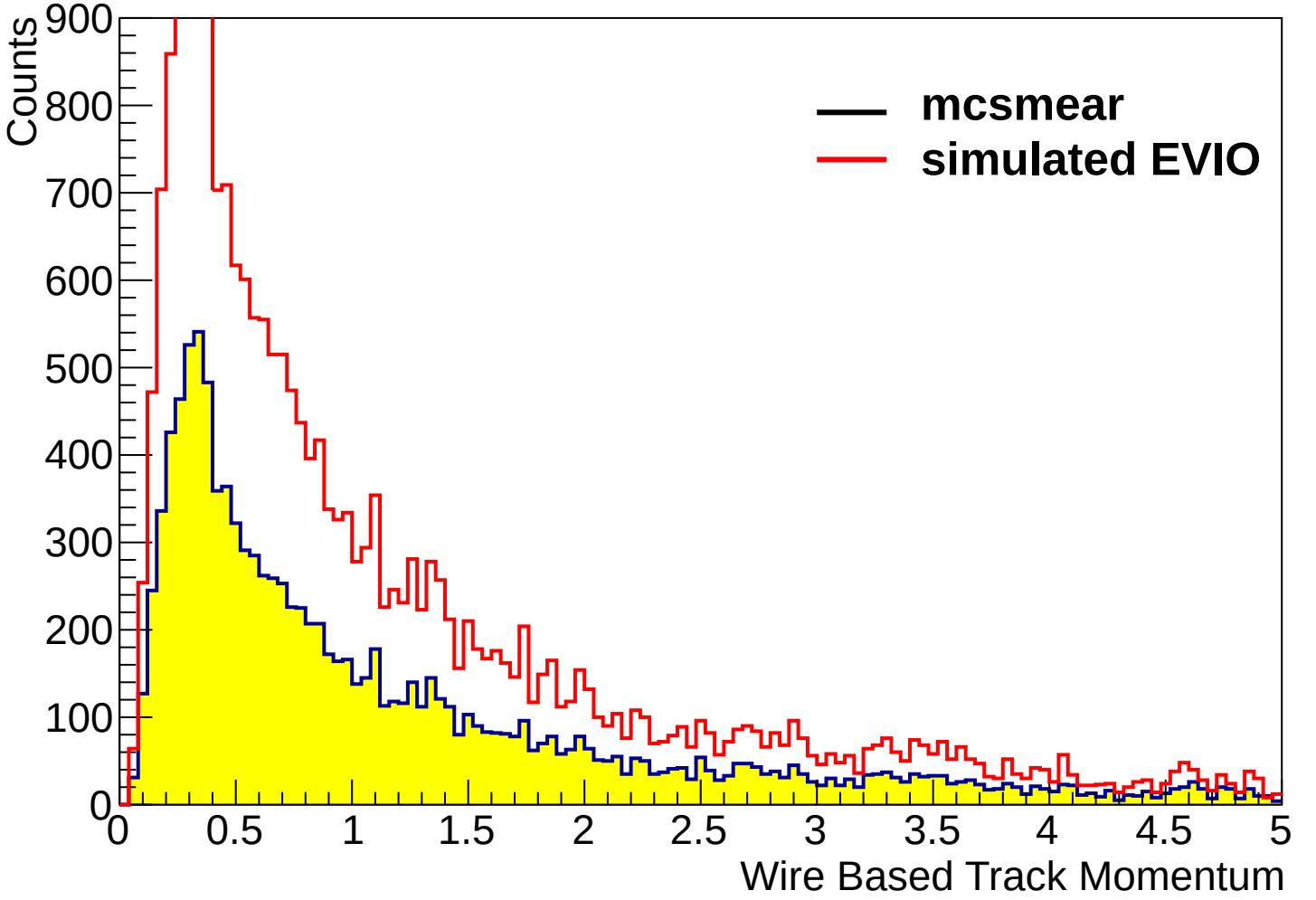
8
10
12
14
16
18
20
Wire Based Tracks


Counts
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600
500
400
300
200
100
0
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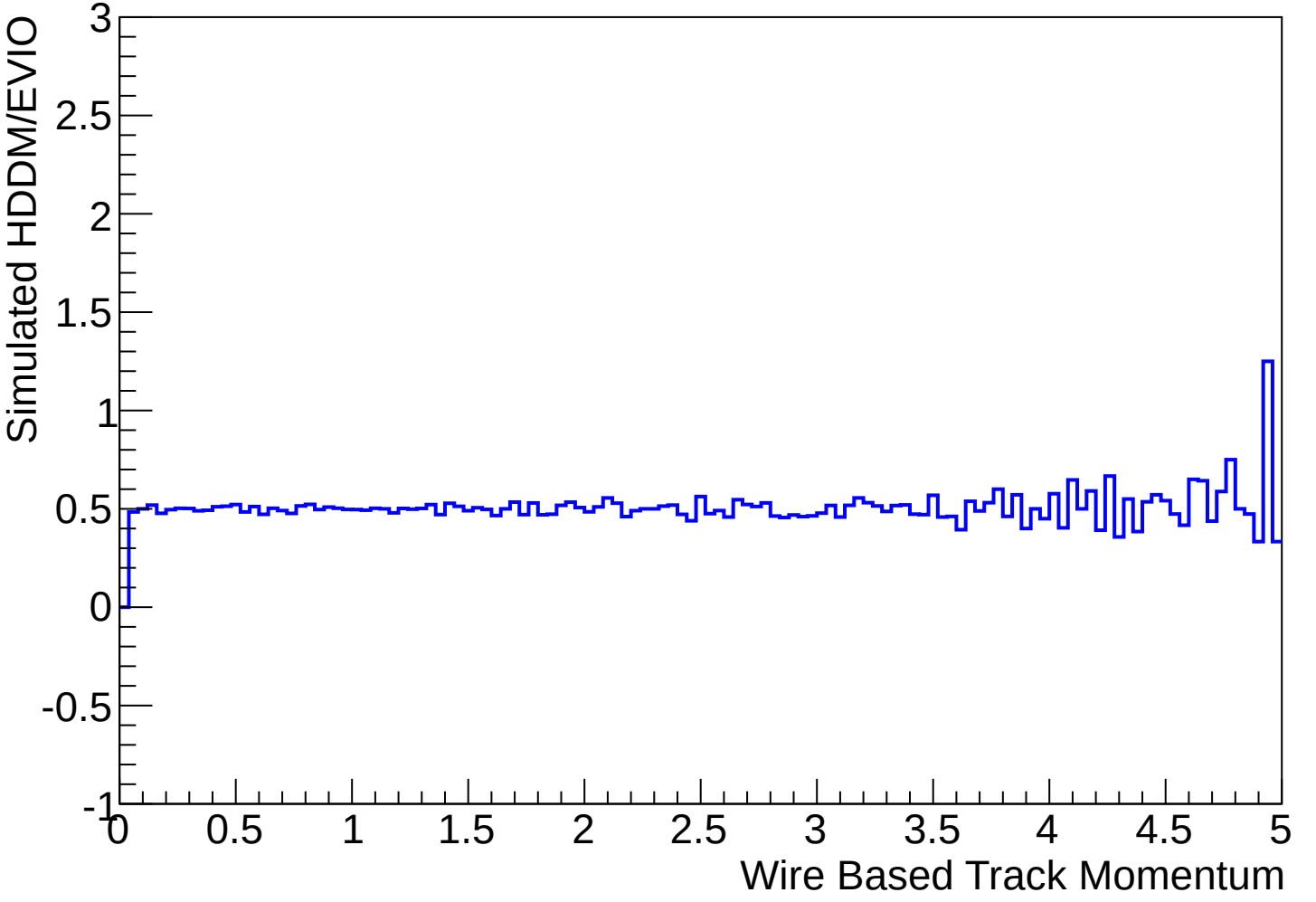
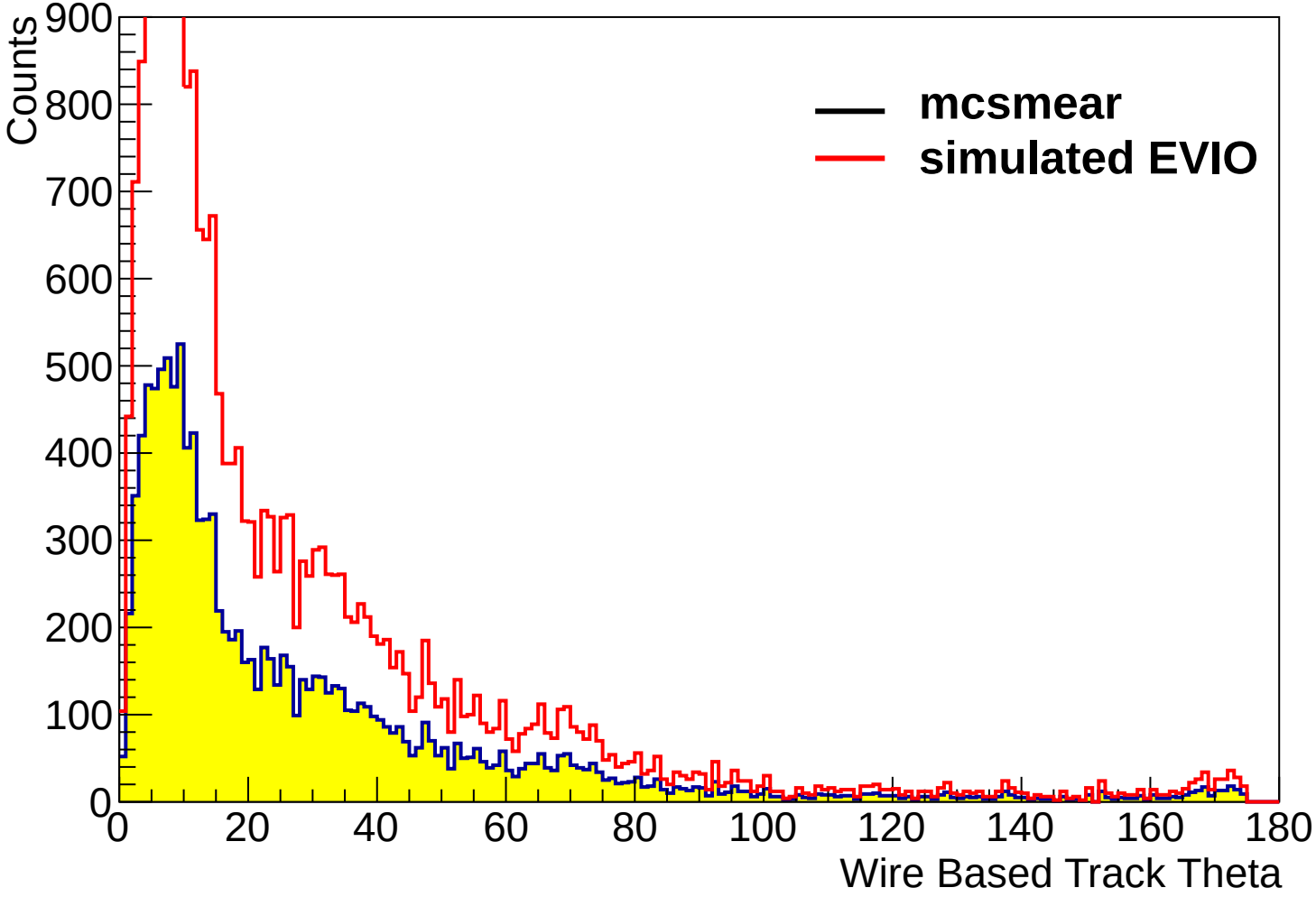
2
2.5
3
3.5
4
4.5
5
Wire Based Track Momentum
mcsmear
simulated EVIO


Simulated HDDM/EVIO
3
2.5
2
1.5
1
0.5
0
-0.5
-1
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Wire Based Track Momentum


Counts
900
800
700
600
500
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200
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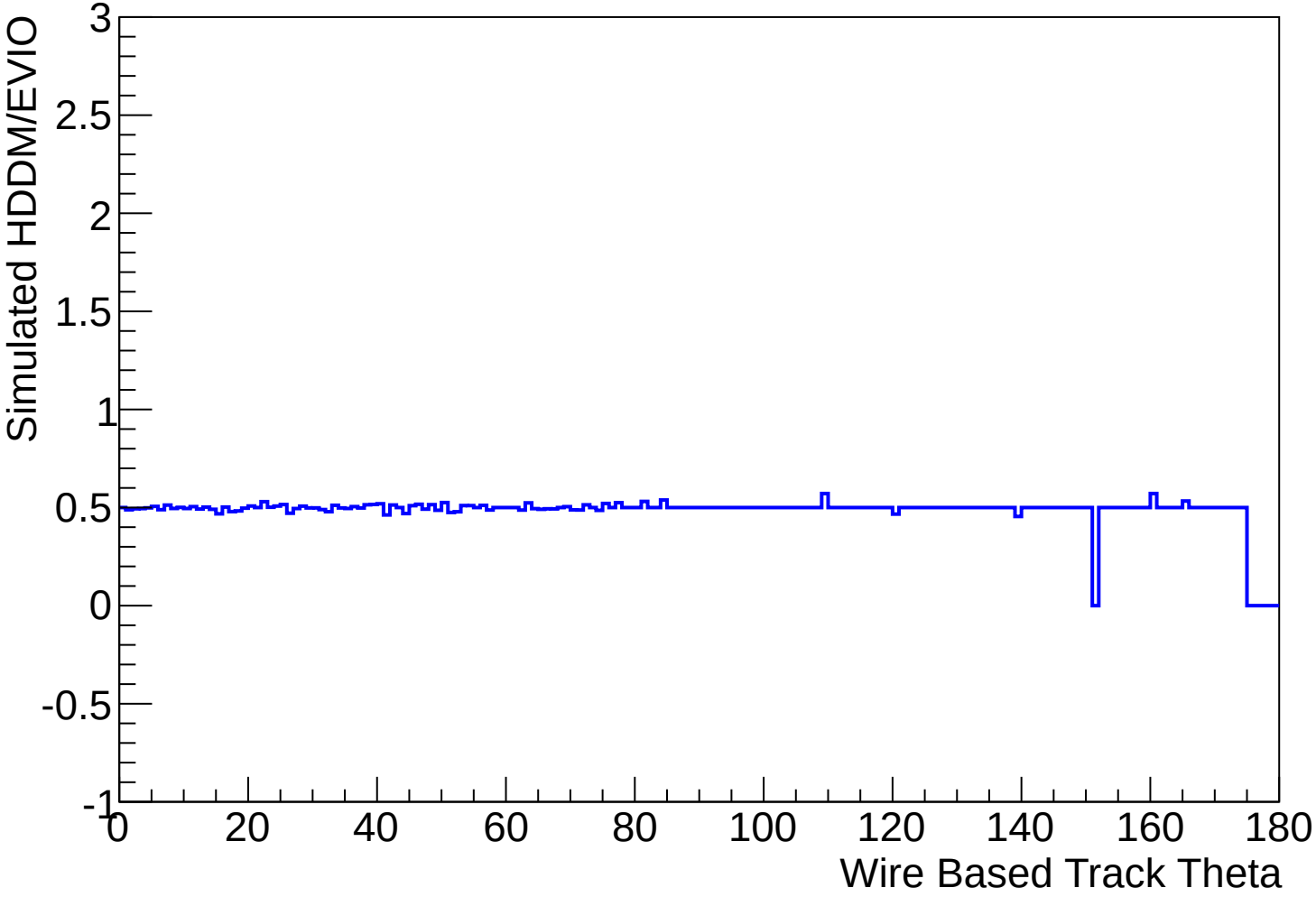
0
20
40
60
80
100
120
140
160
180
Wire Based Track Theta
mcsmear
simulated EVIO


Simulated HDDM/EVIO
3
2.5
2
1.5
1
0.5
0
-0.5
-1
0
20
40
60
80
100
120
140
160
180
Wire Based Track Theta