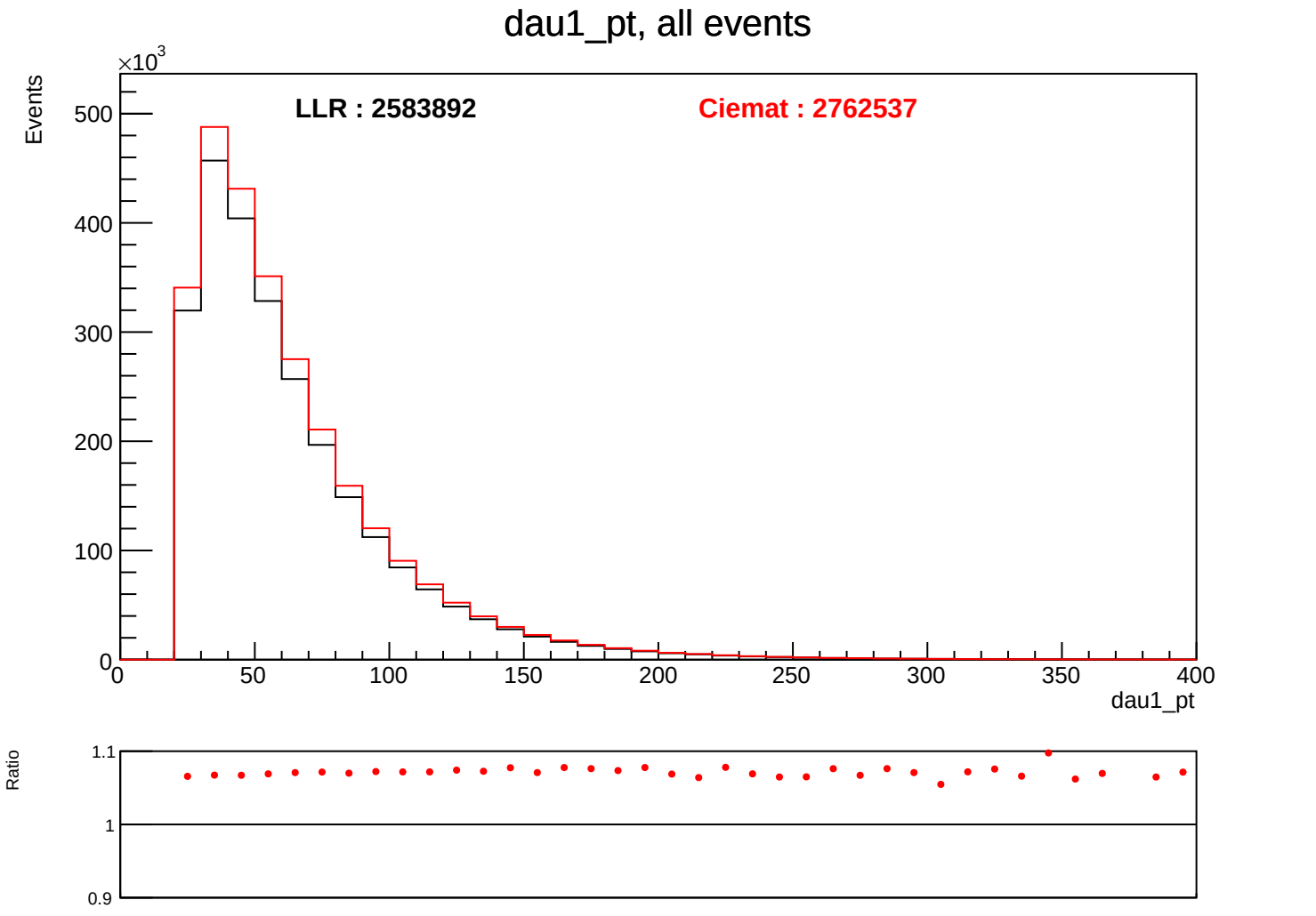
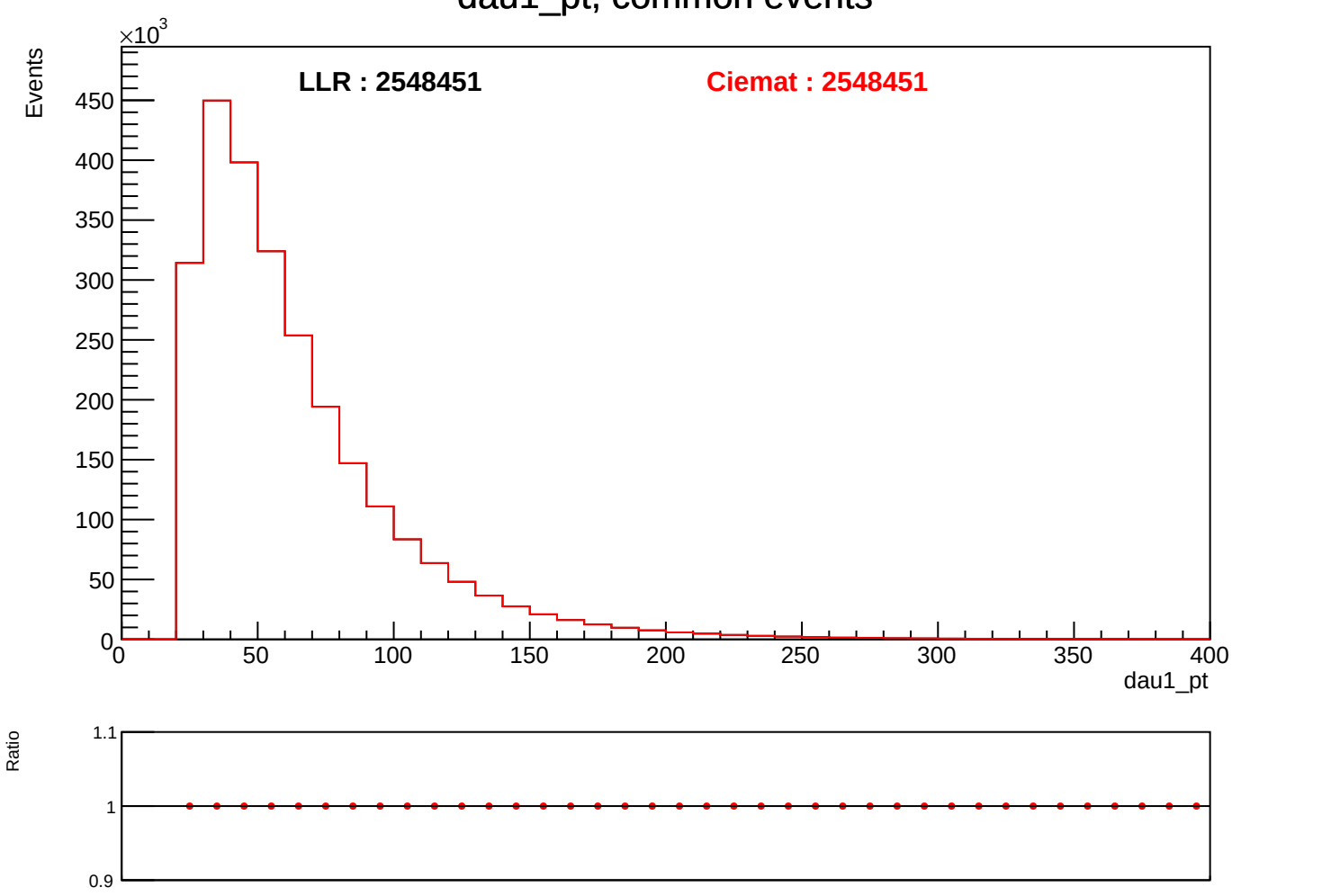
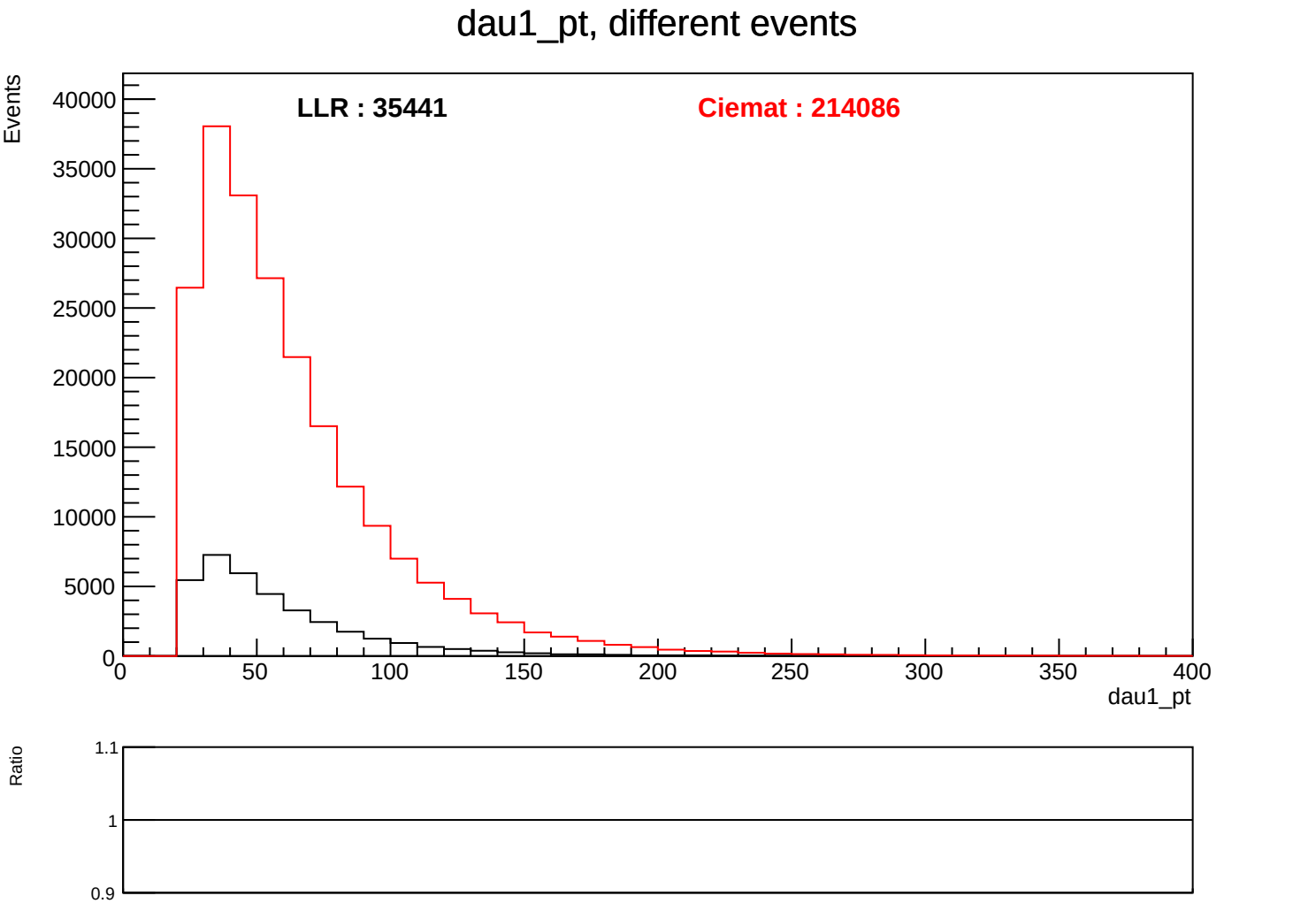
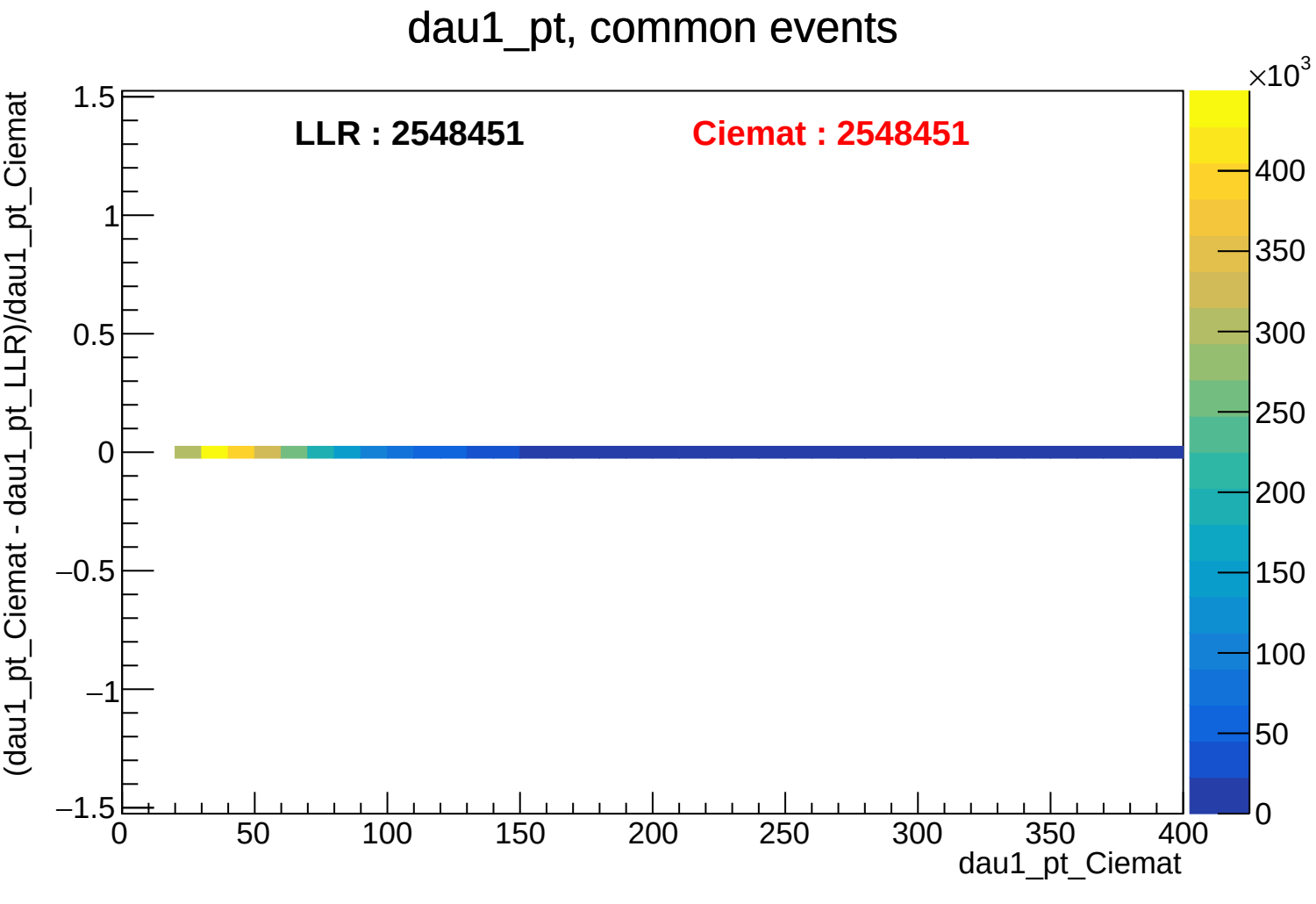
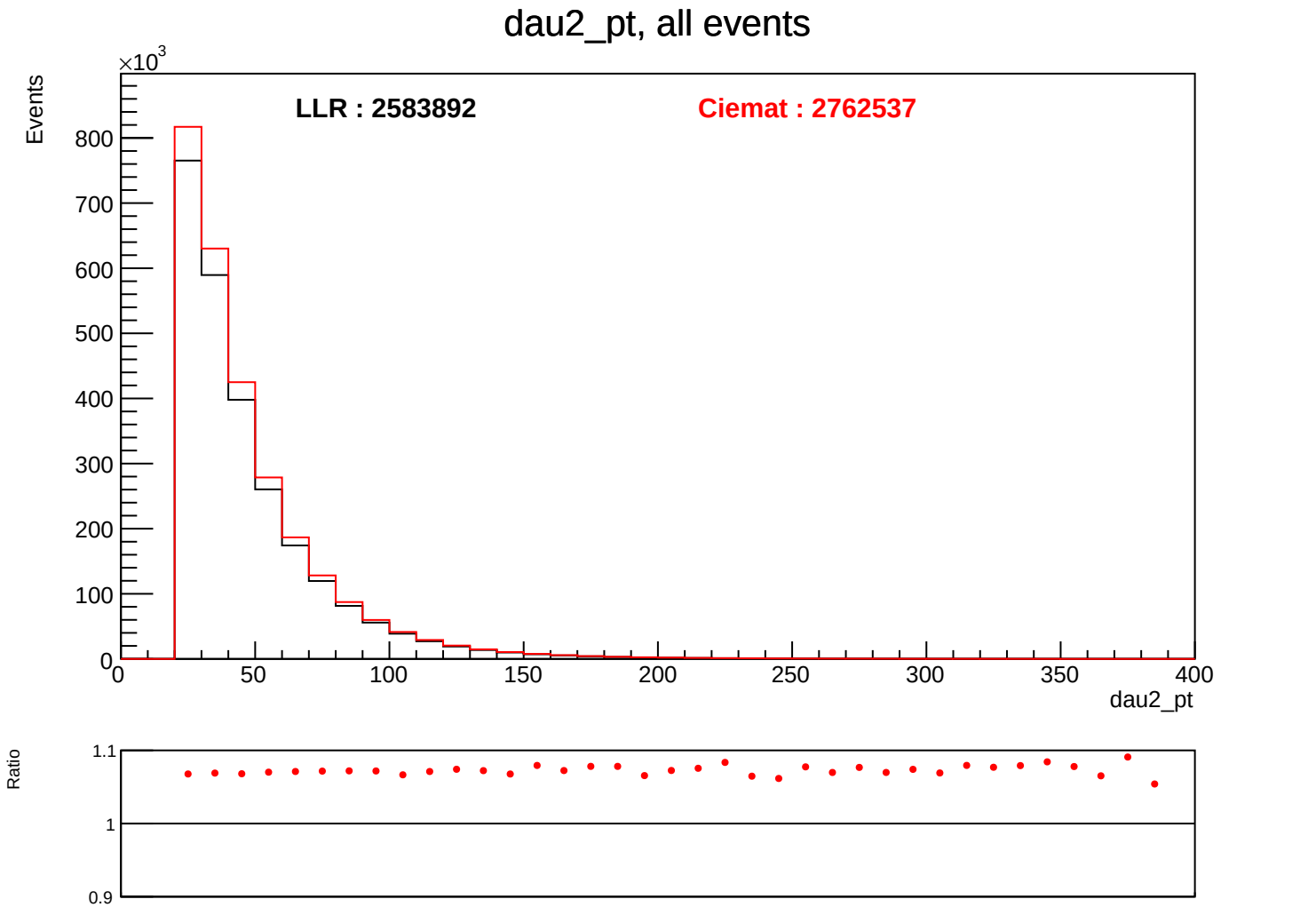
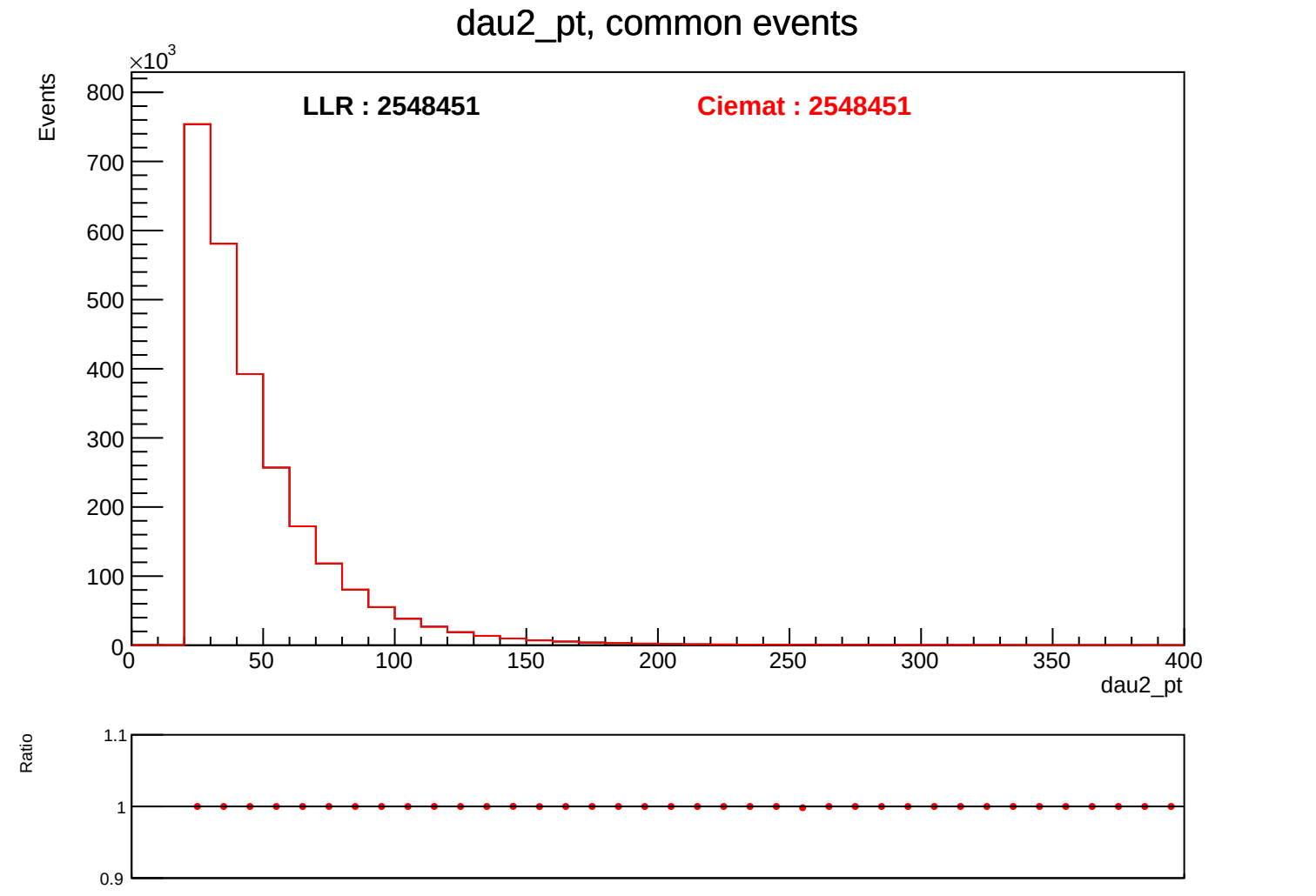

dau1_pt, all events
Events
×10^3
LLR : 2583892
Ciemat : 2762537
500
400
300
200
100
0
0
50
100
150
200
250
300
350
400
dau1_pt
Ratio
1.1
1
0.9

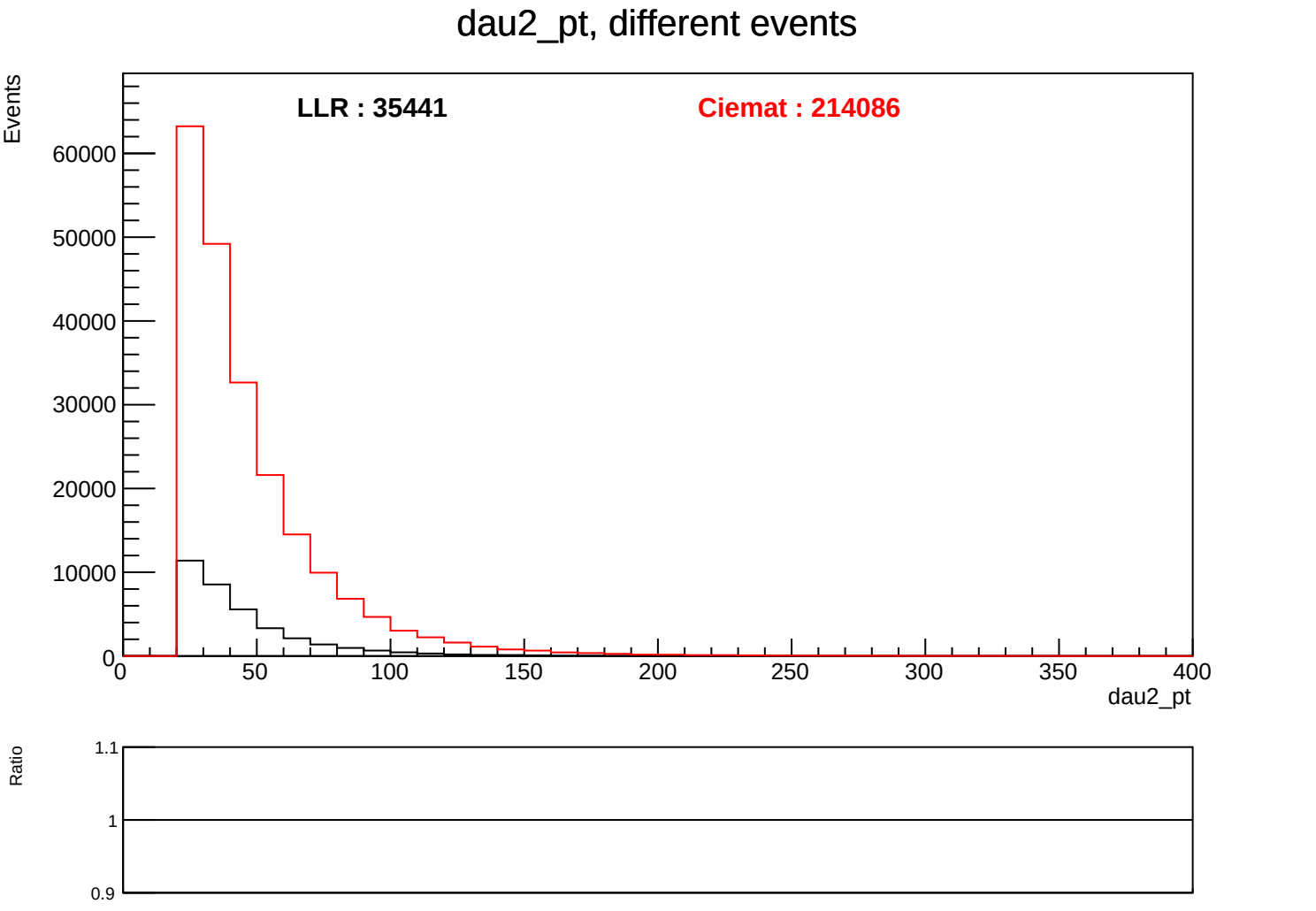

dau1_pt, common events
Events
×10^3
LLR : 2548451
Ciemat : 2548451
450
400
350
300
250
200
150
100
50
0
0
50
100
150
200
250
300
350
400
dau1_pt
Ratio
1.1
1
0.9

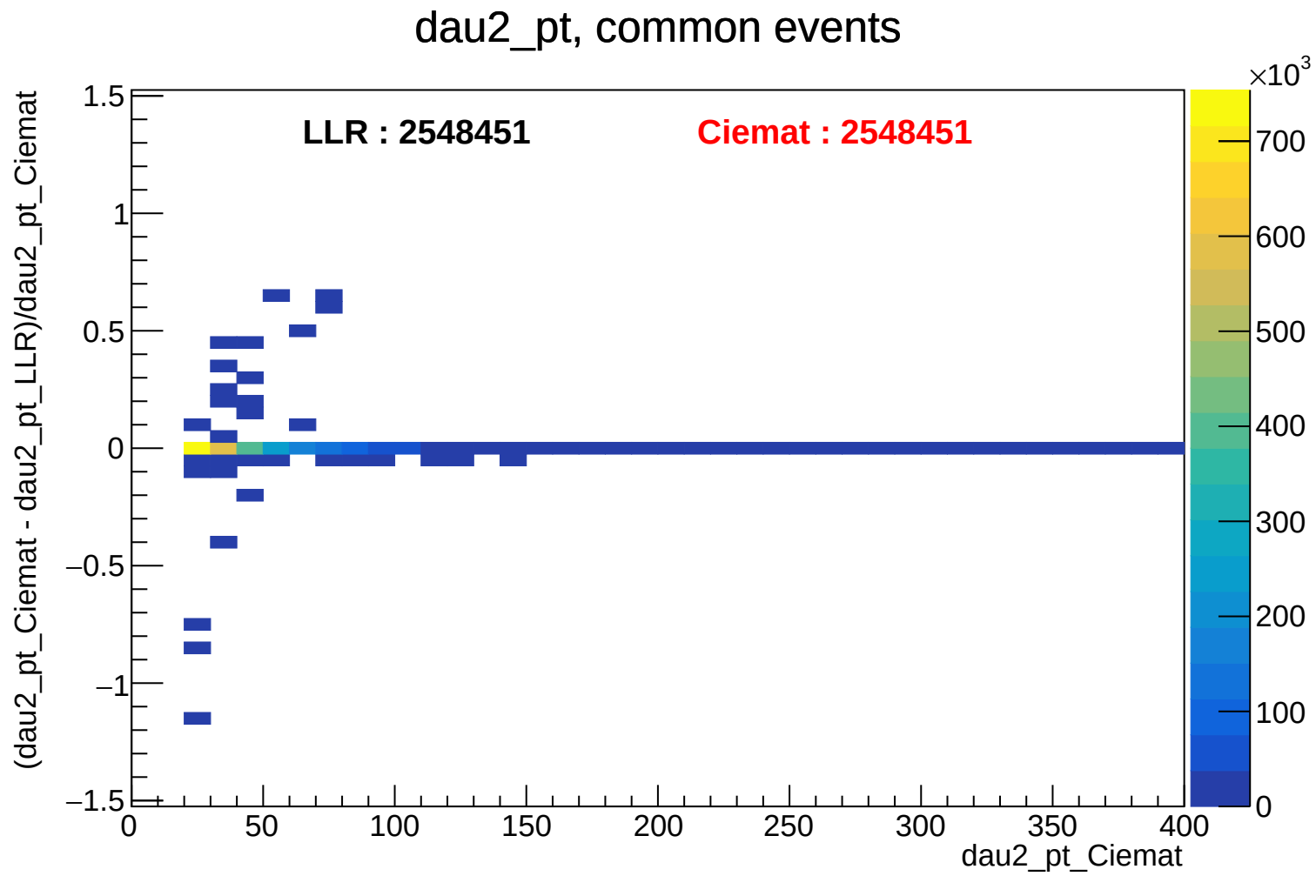

dau1_pt, different events
Events
LLR : 35441
Ciemat : 214086
40000
35000
30000
25000
20000
15000
10000
5000
0
0
50
100
150
200
250
300
350
400
dau1_pt
Ratio
1.1
1
0.9

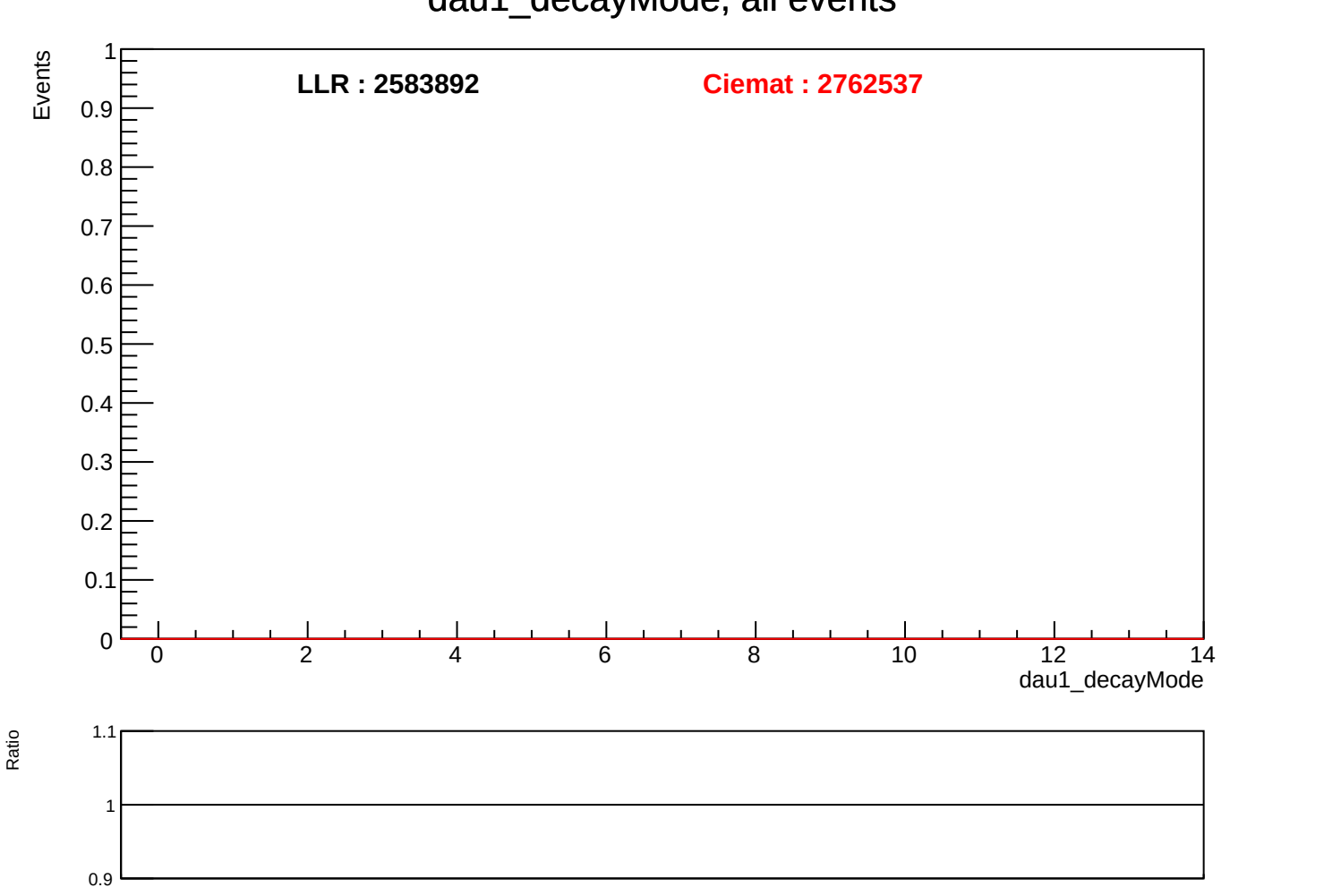

dau1_pt, common events
LLR : 2548451
Ciemat : 2548451
(dau1_pt_Ciemat - dau1_pt_LLR)/dau1_pt_Ciemat
dau1_pt_Ciemat
×10^3
1.5
1
0.5
0
−0.5
−1
−1.5
0
50
100
150
200
250
300
350
400
400
350
300
250
200
150
100
50
0

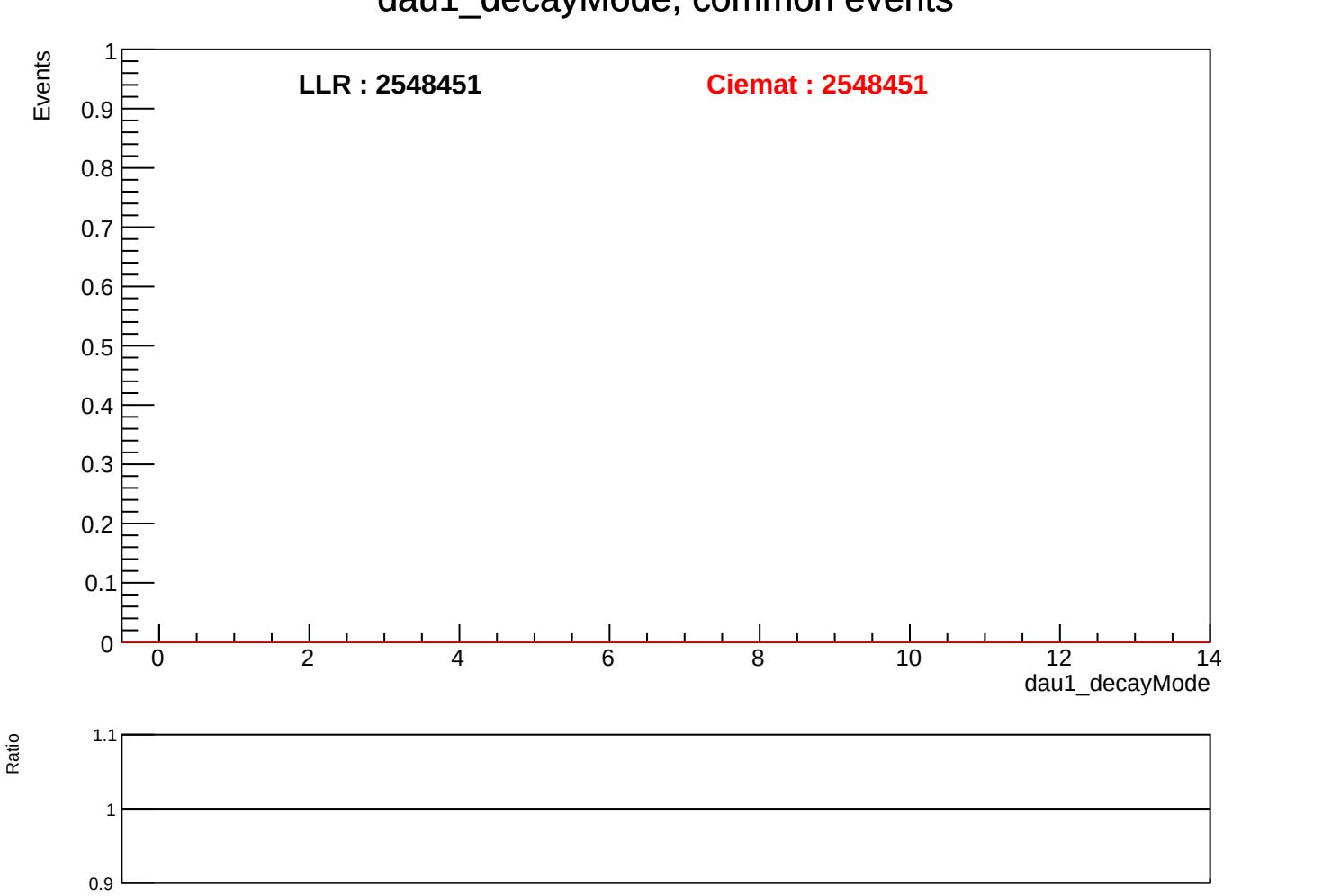

dau2_pt, all events
Events
×10^3
LLR : 2583892
Ciemat : 2762537
800
700
600
500
400
300
200
100
0
0
50
100
150
200
250
300
350
400
dau2_pt
Ratio
1.1
1
0.9

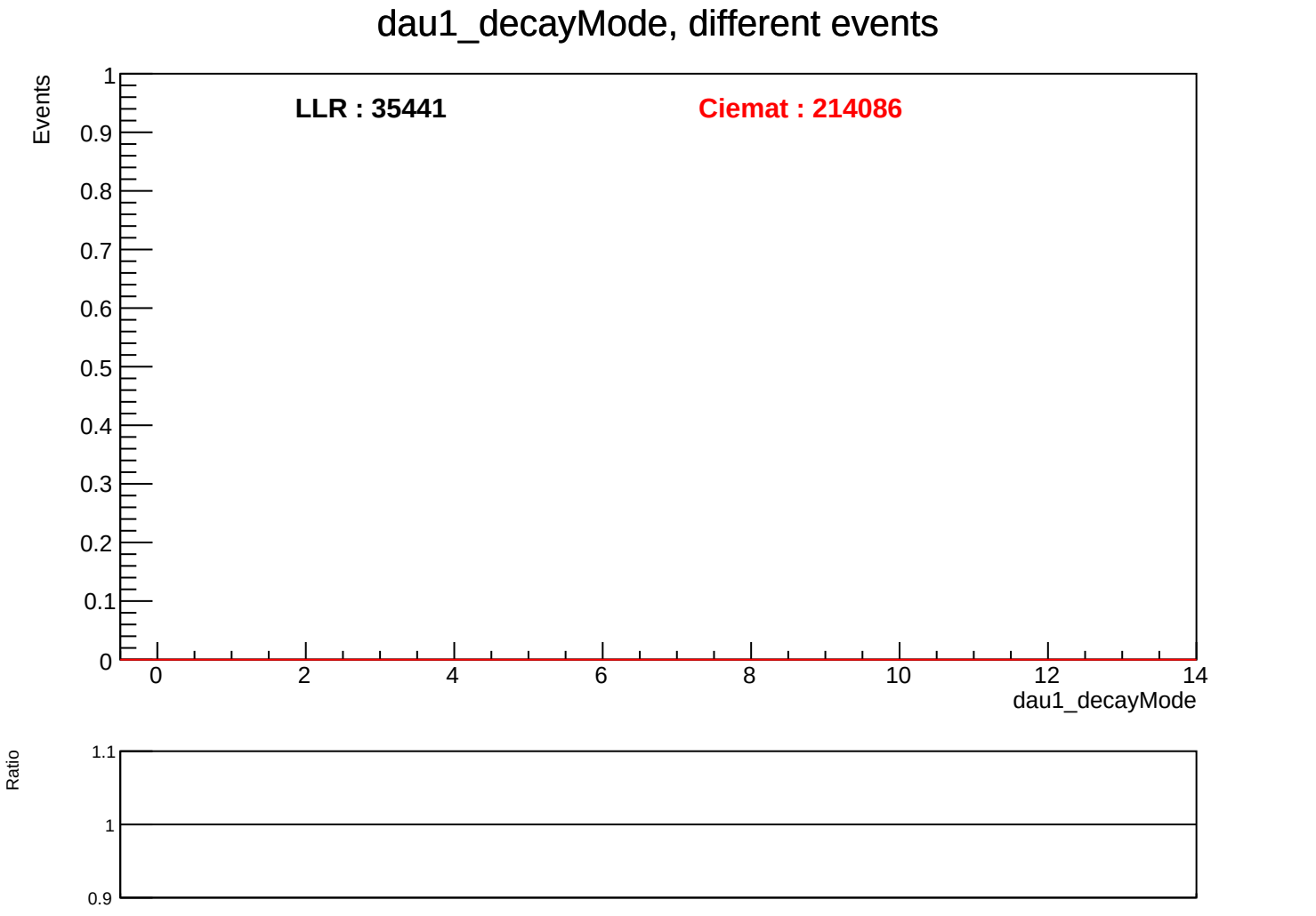

dau2_pt, common events
LLR : 2548451
Ciemat : 2548451
Events
×10^3
800
700
600
500
400
300
200
100
0
0
50
100
150
200
250
300
350
400
dau2_pt
Ratio
1.1
1
0.9

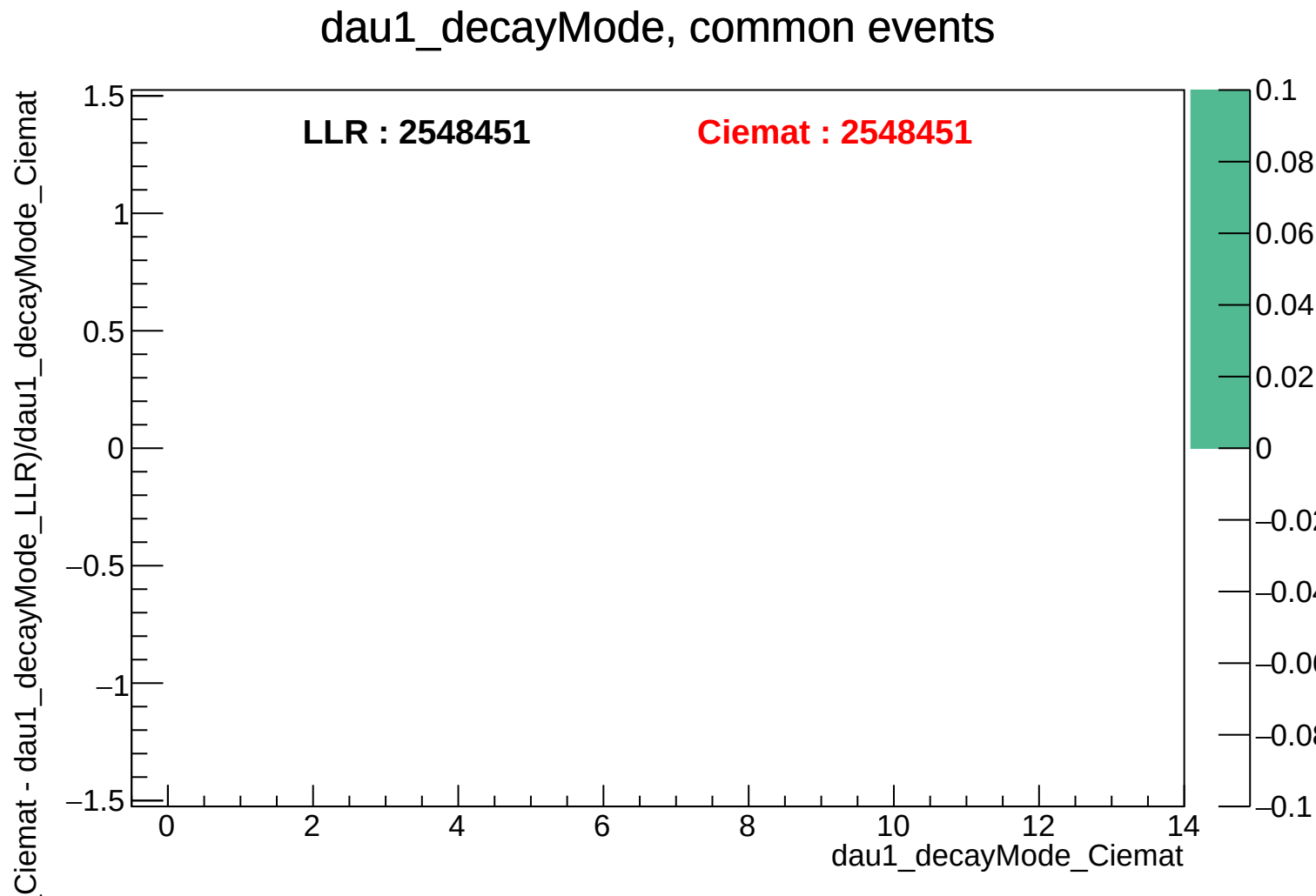

dau2_pt, different events
LLR : 35441
Ciemat : 214086
Events
60000
50000
40000
30000
20000
10000
0
0
50
100
150
200
250
300
350
400
dau2_pt
Ratio
1.1
1
0.9

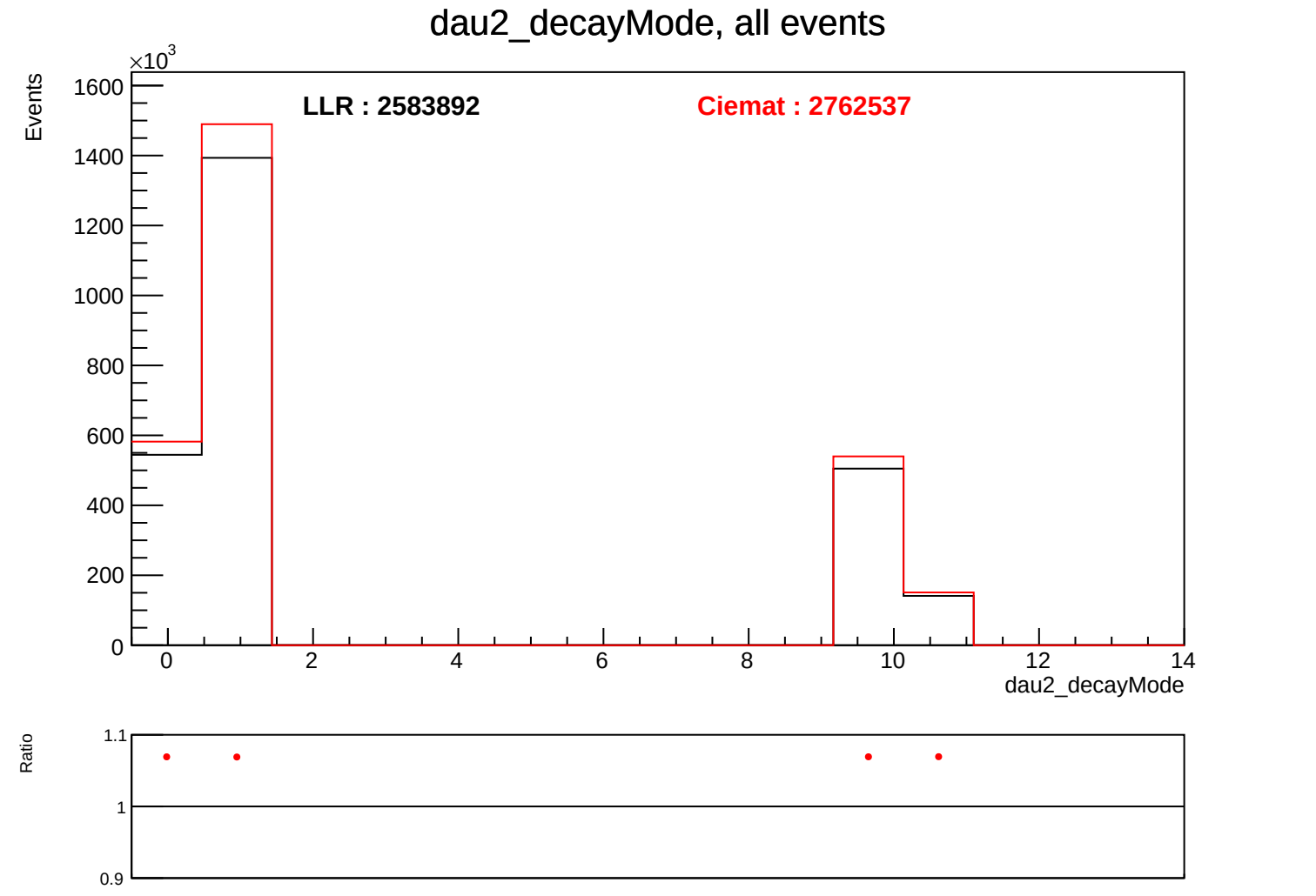

dau2_pt, common events
LLR : 2548451
Ciemat : 2548451
(dau2_pt_Ciemat - dau2_pt_LLR)/dau2_pt_Ciemat
dau2_pt_Ciemat
×10^3
1.5
1
0.5
0
−0.5
−1
−1.5
0
50
100
150
200
250
300
350
400
700
600
500
400
300
200
100
0

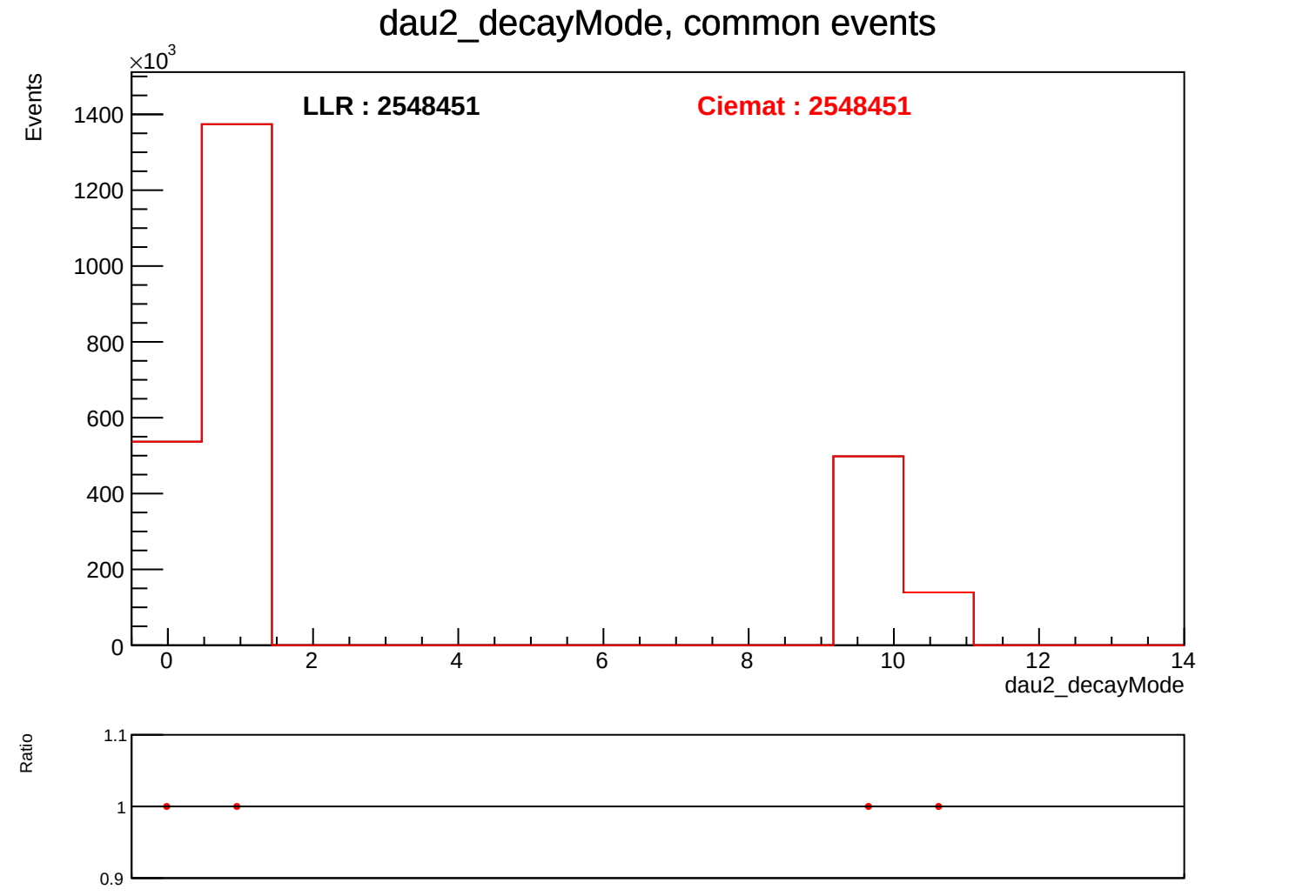

dau1_decayMode, all events
LLR : 2583892
Ciemat : 2762537
Events
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
2
4
6
8
10
12
14
dau1_decayMode
Ratio
1.1
1
0.9

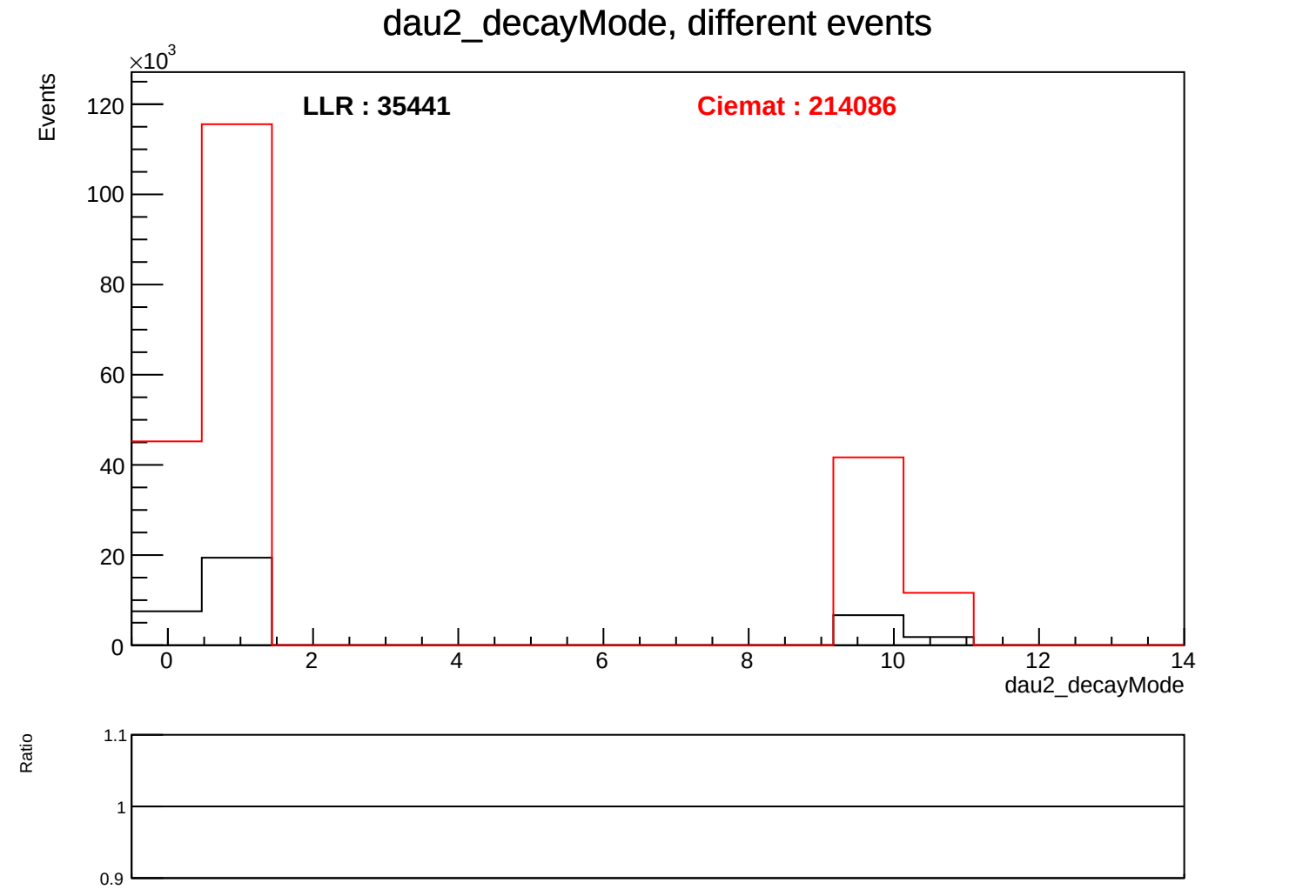

dau1_decayMode, common events
LLR : 2548451
Ciemat : 2548451
Events
dau1_decayMode
Ratio
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
0
2
4
6
8
10
12
14

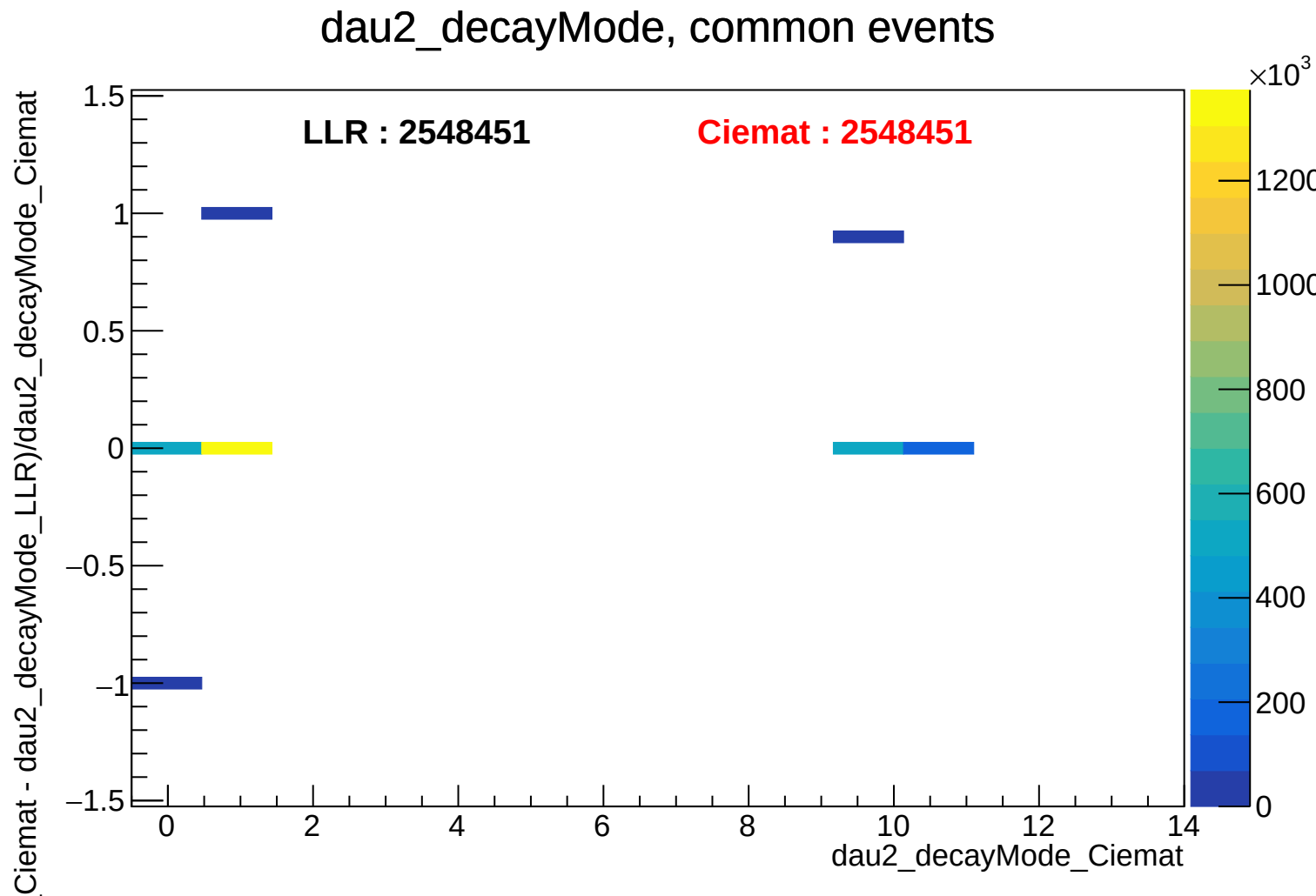

dau1_decayMode, different events
LLR : 35441
Ciemat : 214086
Events
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
2
4
6
8
10
12
14
dau1_decayMode
Ratio
1.1
1
0.9

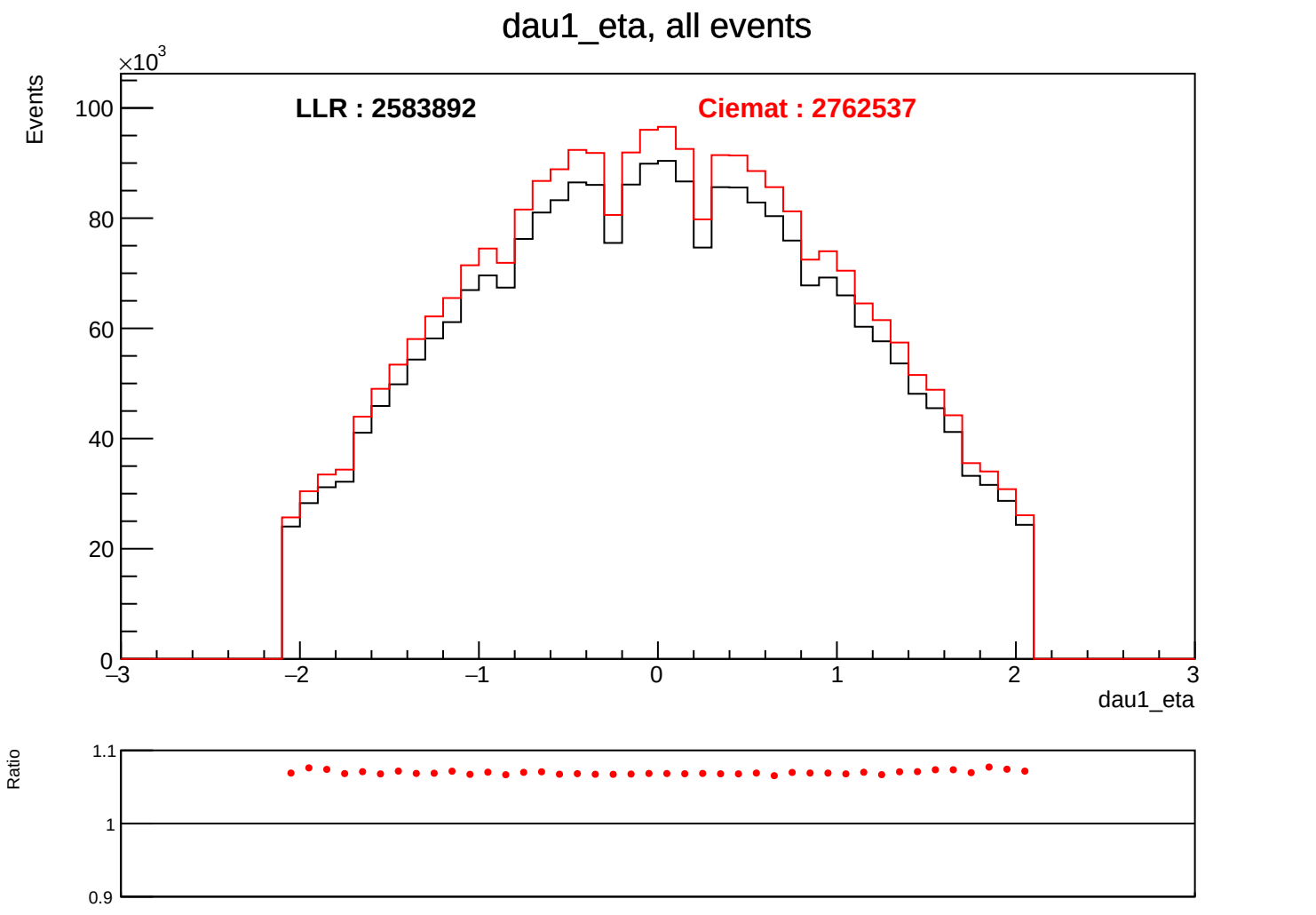

dau1_decayMode, common events
LLR : 2548451
Ciemat : 2548451
(Ciemat - dau1_decayMode_LLR)/dau1_decayMode_Ciemat
dau1_decayMode_Ciemat
1.5
1
0.5
0
−0.5
−1
−1.5
0
2
4
6
8
10
12
14
0.1
0.08
0.06
0.04
0.02
0
−0.1

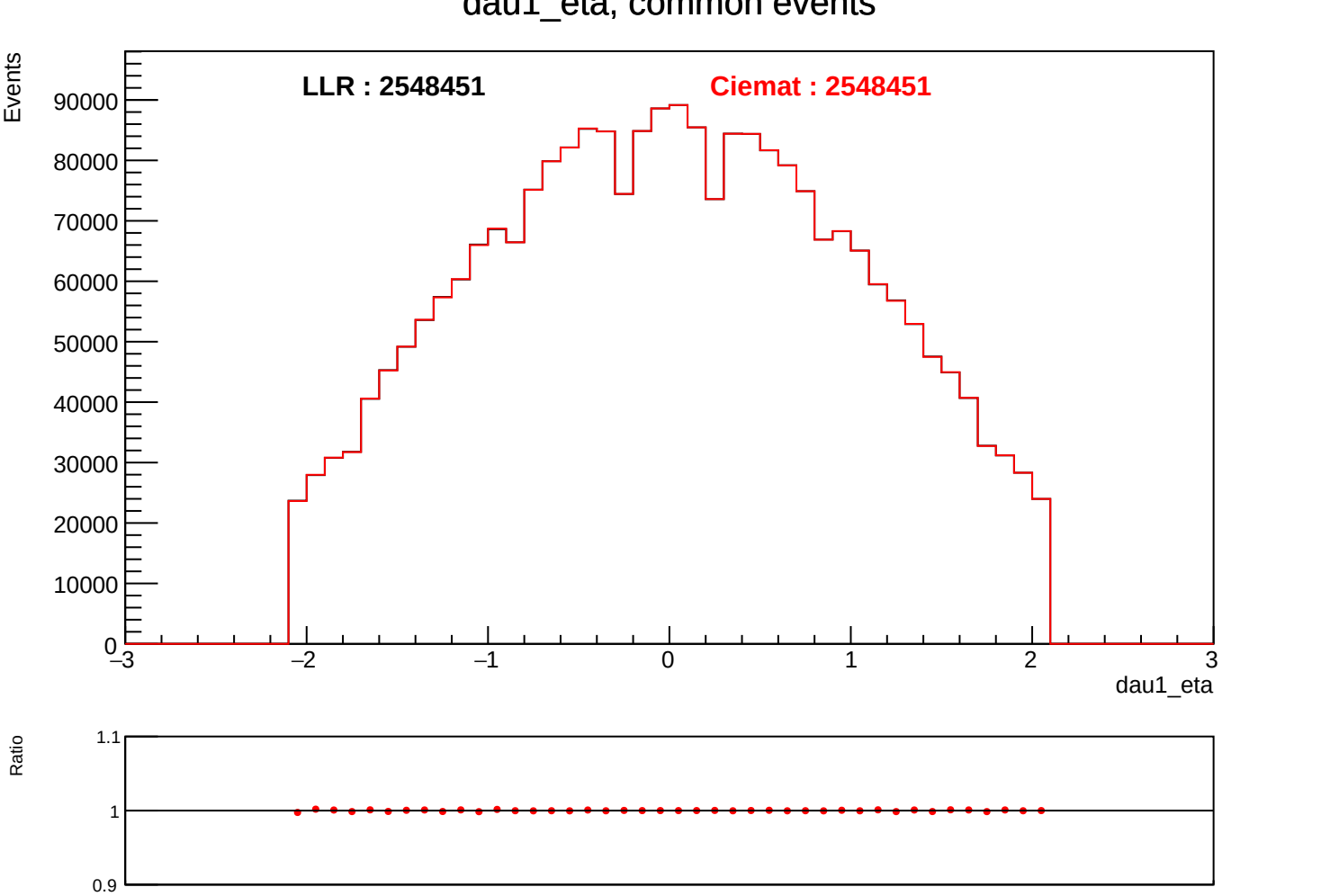

dau2_decayMode, all events
Events
×10^3
1600
1400
1200
1000
800
600
400
200
0
LLR : 2583892
Ciemat : 2762537
0
2
4
6
8
10
12
14
dau2_decayMode
Ratio
1.1
1
0.9

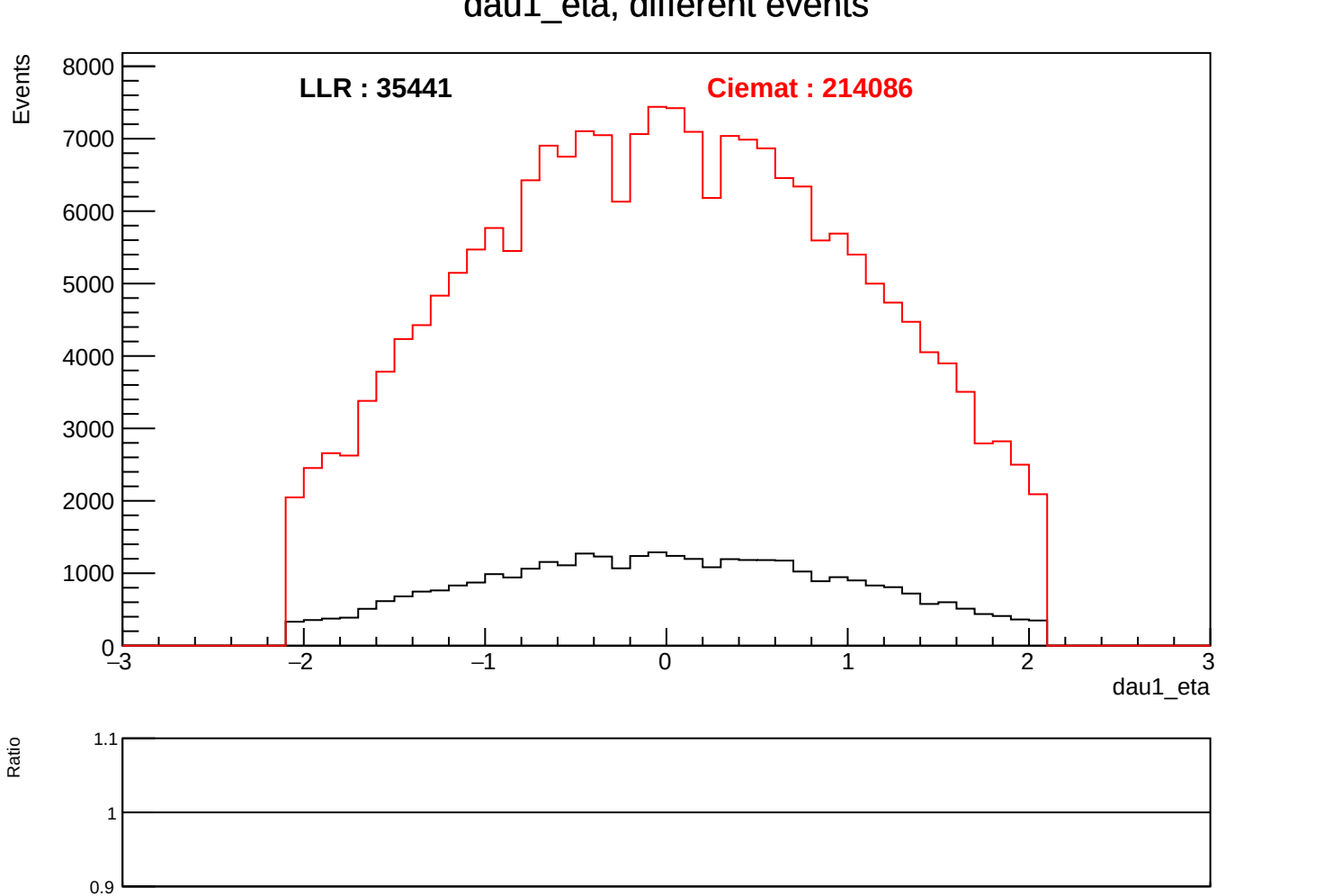

dau2_decayMode, common events
Events
×10^3
LLR : 2548451
Ciemat : 2548451
1400
1200
1000
800
600
400
200
0
0
2
4
6
8
10
12
14
dau2_decayMode
Ratio
1.1
1
0.9

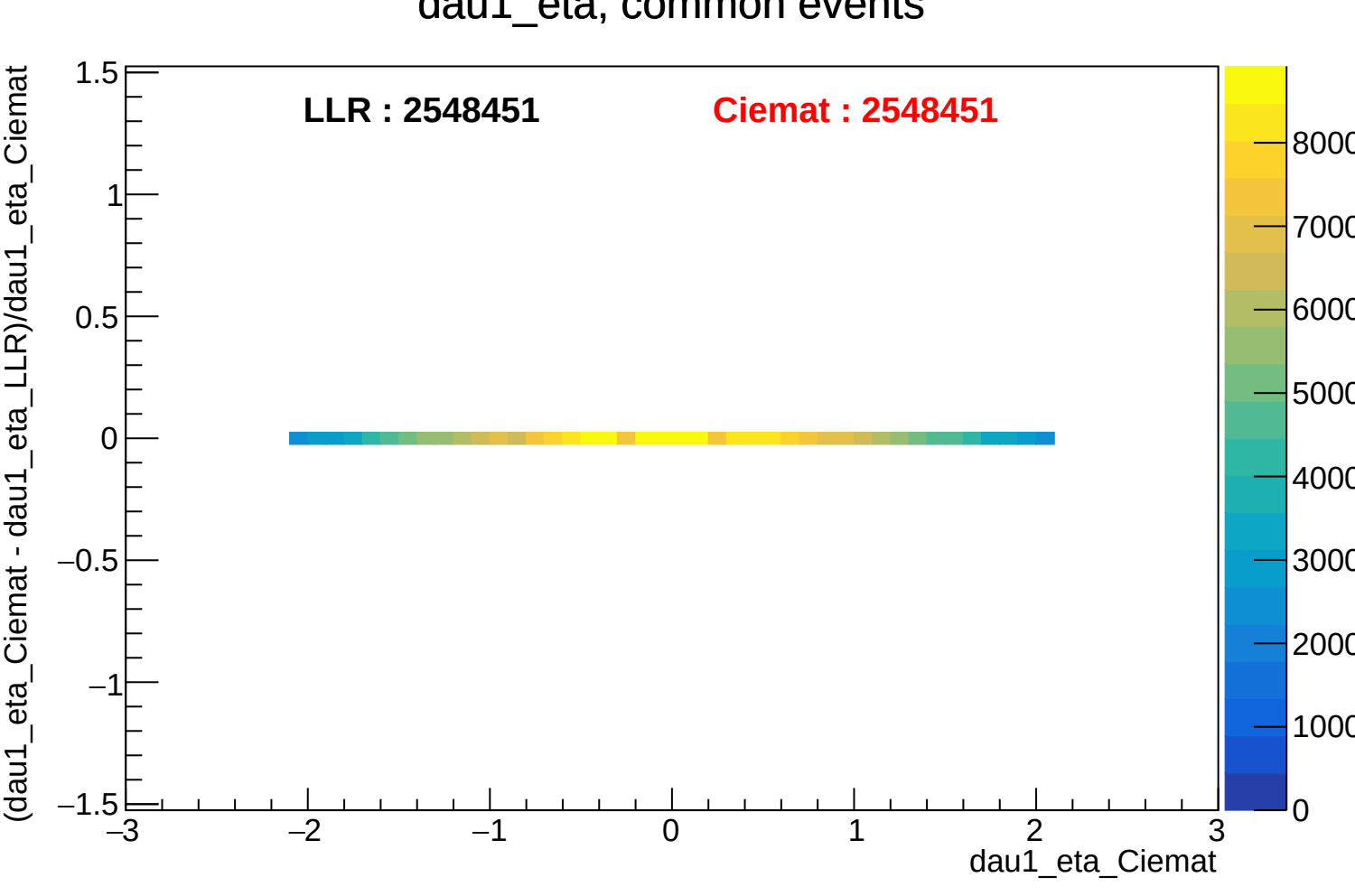

dau2_decayMode, different events
Events
×10^3
LLR : 35441
Ciemat : 214086
dau2_decayMode
Ratio

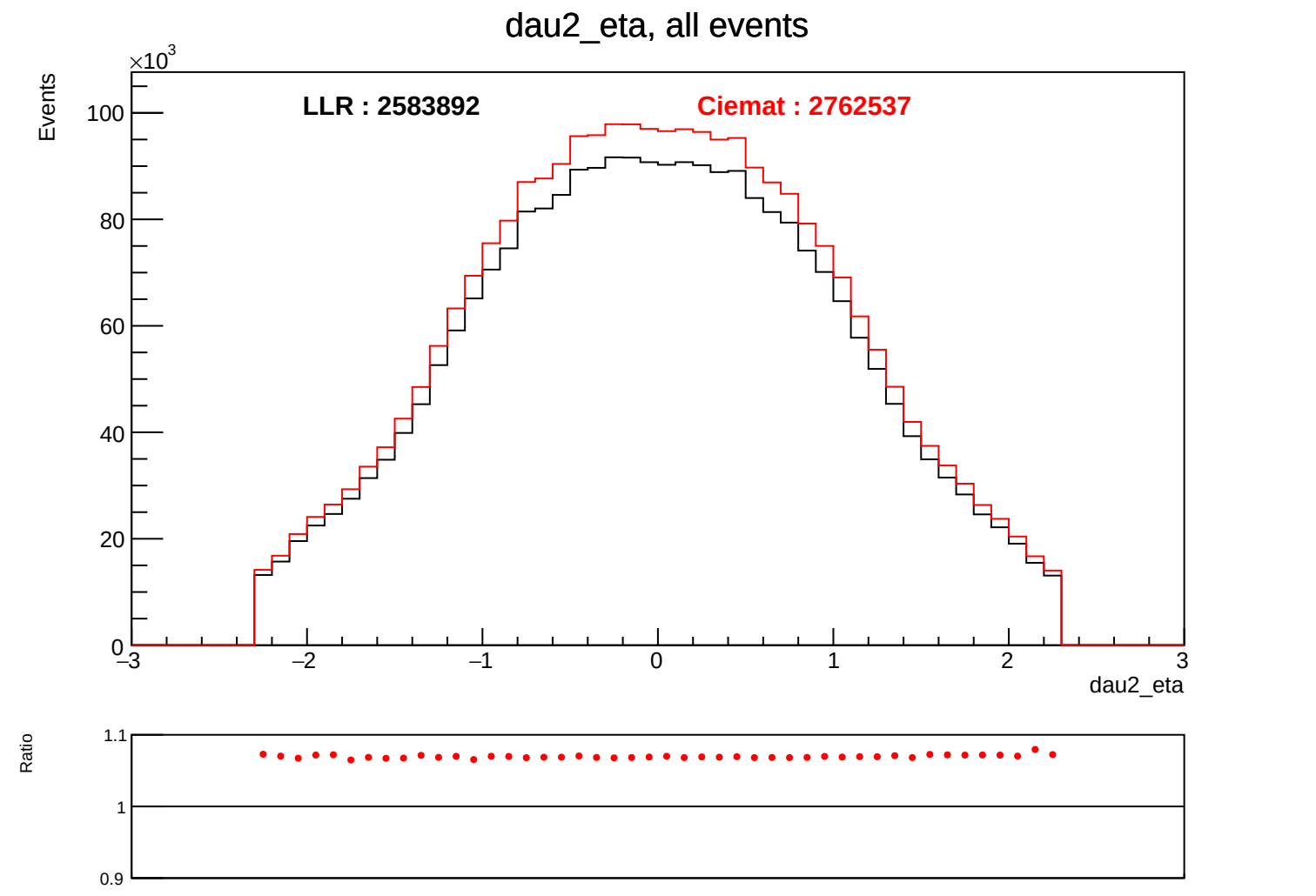

dau2_decayMode, common events
LLR : 2548451
Ciemat : 2548451
(Ciemat - dau2_decayMode_LLR)/dau2_decayMode_Ciemat
dau2_decayMode_Ciemat
×10^3
1.5
1
0.5
0
−0.5
−1
−1.5
0
2
4
6
8
10
12
14
1200
1000
800
600
400
200
0

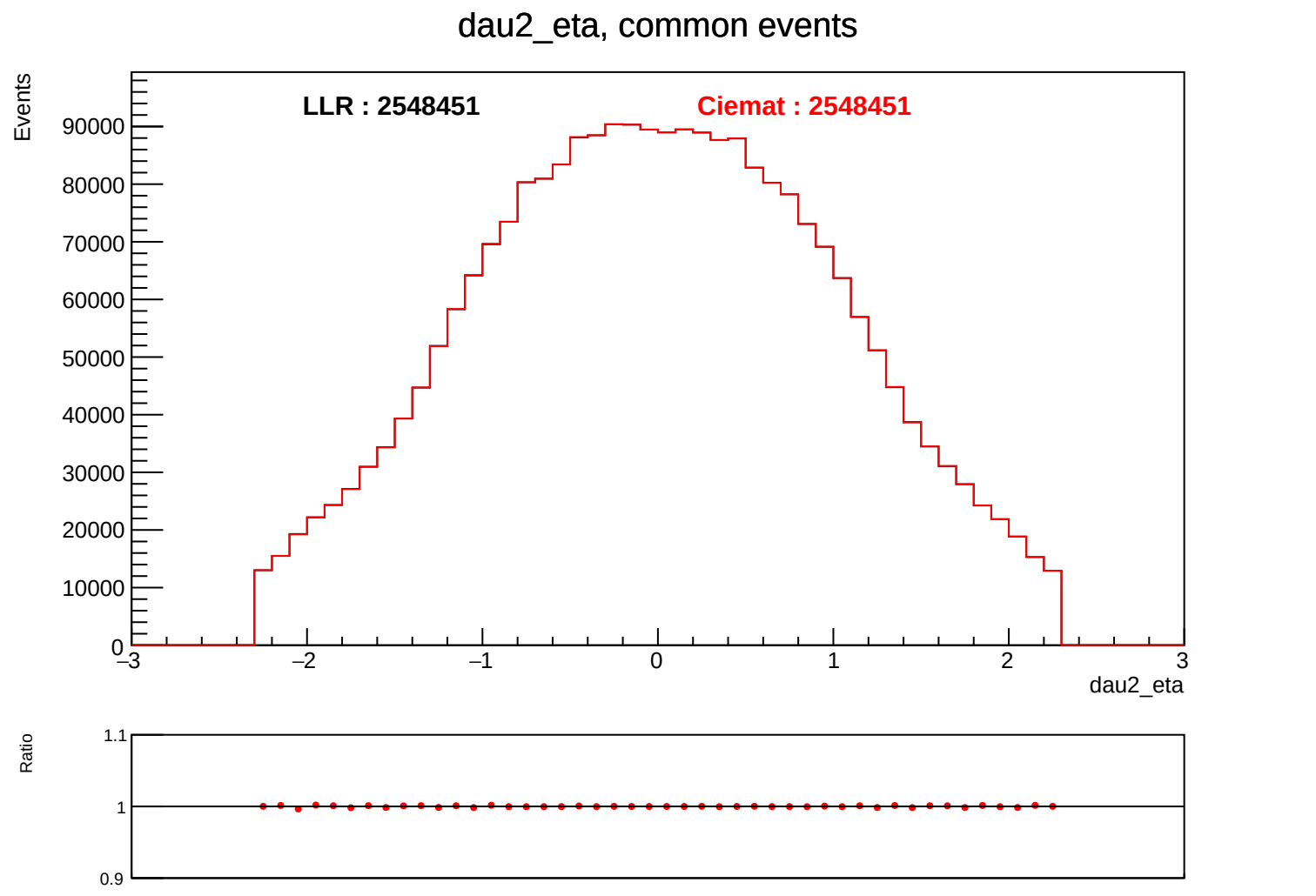

dau1_eta, all events
Events
×10^3
LLR : 2583892
Ciemat : 2762537
100
80
60
40
20
0
–3
–2
–1
0
1
2
3
dau1_eta
Ratio
1.1
1
0.9

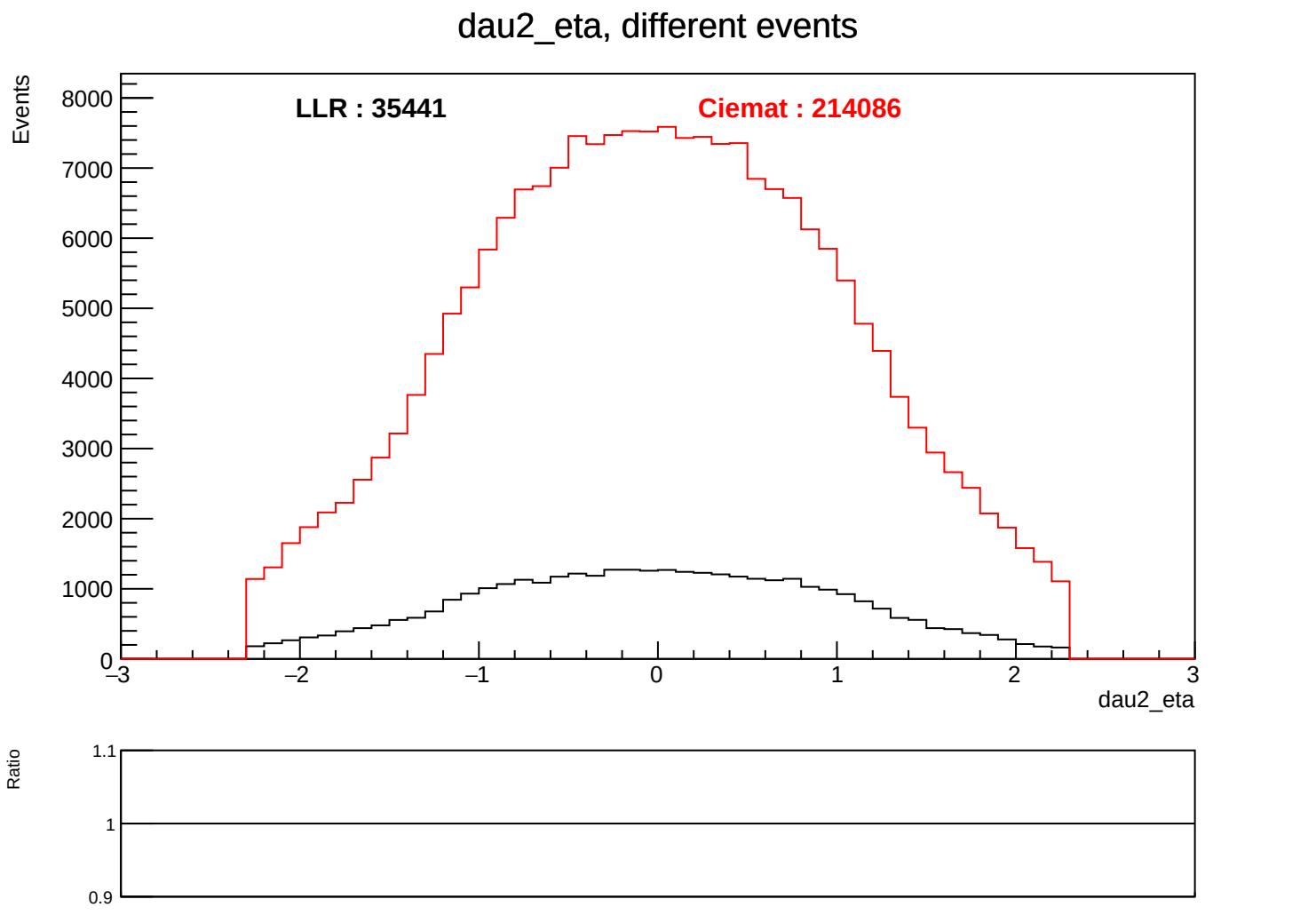

dau1_eta, common events
LLR : 2548451
Ciemat : 2548451
Events
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
–3
–2
–1
0
1
2
3
dau1_eta
Ratio
1.1
1
0.9

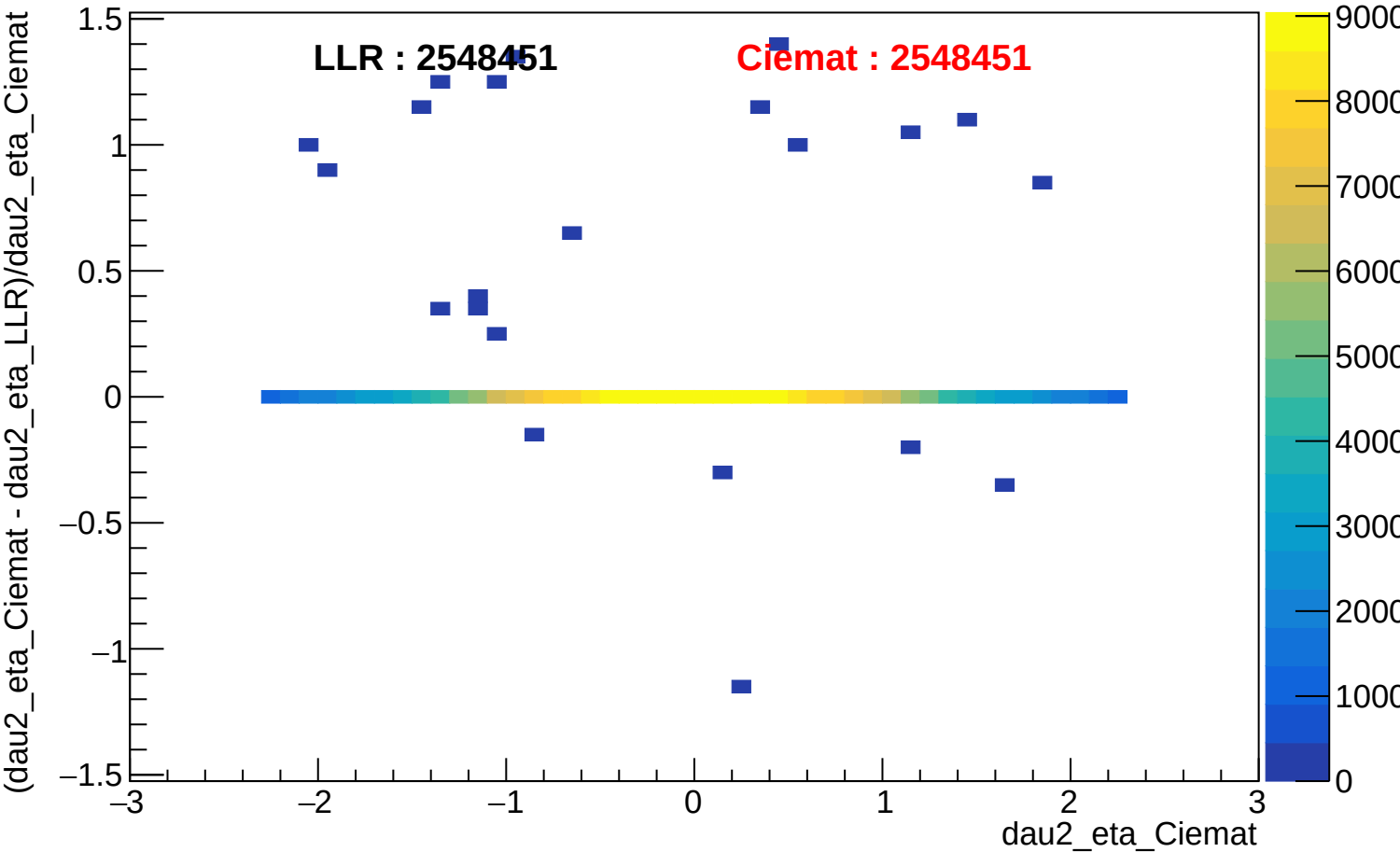

dau1_eta, different events
LLR : 35441
Ciemat : 214086
Events
8000
7000
6000
5000
4000
3000
2000
1000
0
–3
–2
–1
0
1
2
3
dau1_eta
Ratio
1.1
1
0.9


dau1_eta, common events
LLR : 2548451
Ciemat : 2548451
(dau1_eta_Ciemat - dau1_eta_LLR)/dau1_eta_Ciemat
dau1_eta_Ciemat
1.5
1
0.5
0
−0.5
−1
−1.5
−3
−2
−1
0
1
2
3
8000
7000
6000
5000
4000
3000
2000
1000
0


dau2_eta, all events
Events
×10^3
LLR : 2583892
Ciemat : 2762537
100
80
60
40
20
0
–3
–2
–1
0
1
2
3
dau2_eta
Ratio
1.1
1
0.9


dau2_eta, common events
LLR : 2548451
Ciemat : 2548451
Events
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
–3
–2
–1
0
1
2
3
dau2_eta
Ratio
1.1
1
0.9


dau2_eta, different events
LLR : 35441
Ciemat : 214086
Events
8000
7000
6000
5000
4000
3000
2000
1000
0
–3
–2
–1
0
1
2
3
dau2_eta
Ratio
1.1
1
0.9


dau2_eta, common events
LLR : 2548451
Ciemat : 2548451
(dau2_eta_Ciemat - dau2_eta_LLR)/dau2_eta_Ciemat
dau2_eta_Ciemat
1.5
1
0.5
0
−0.5
−1
−1.5
−3
−2
−1
0
1
2
3
9000
8000
7000
6000
5000
4000
3000
2000
1000
0