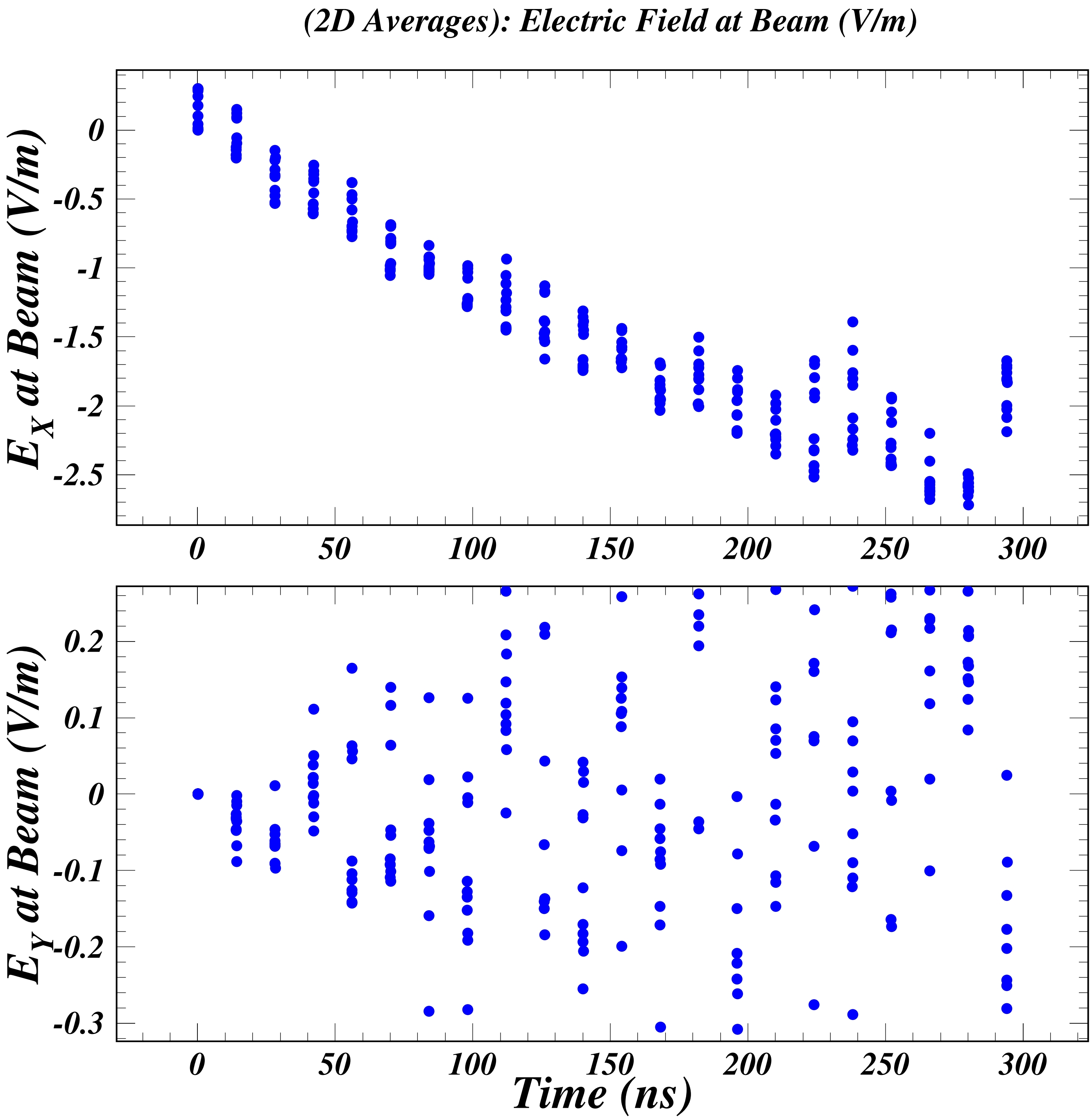
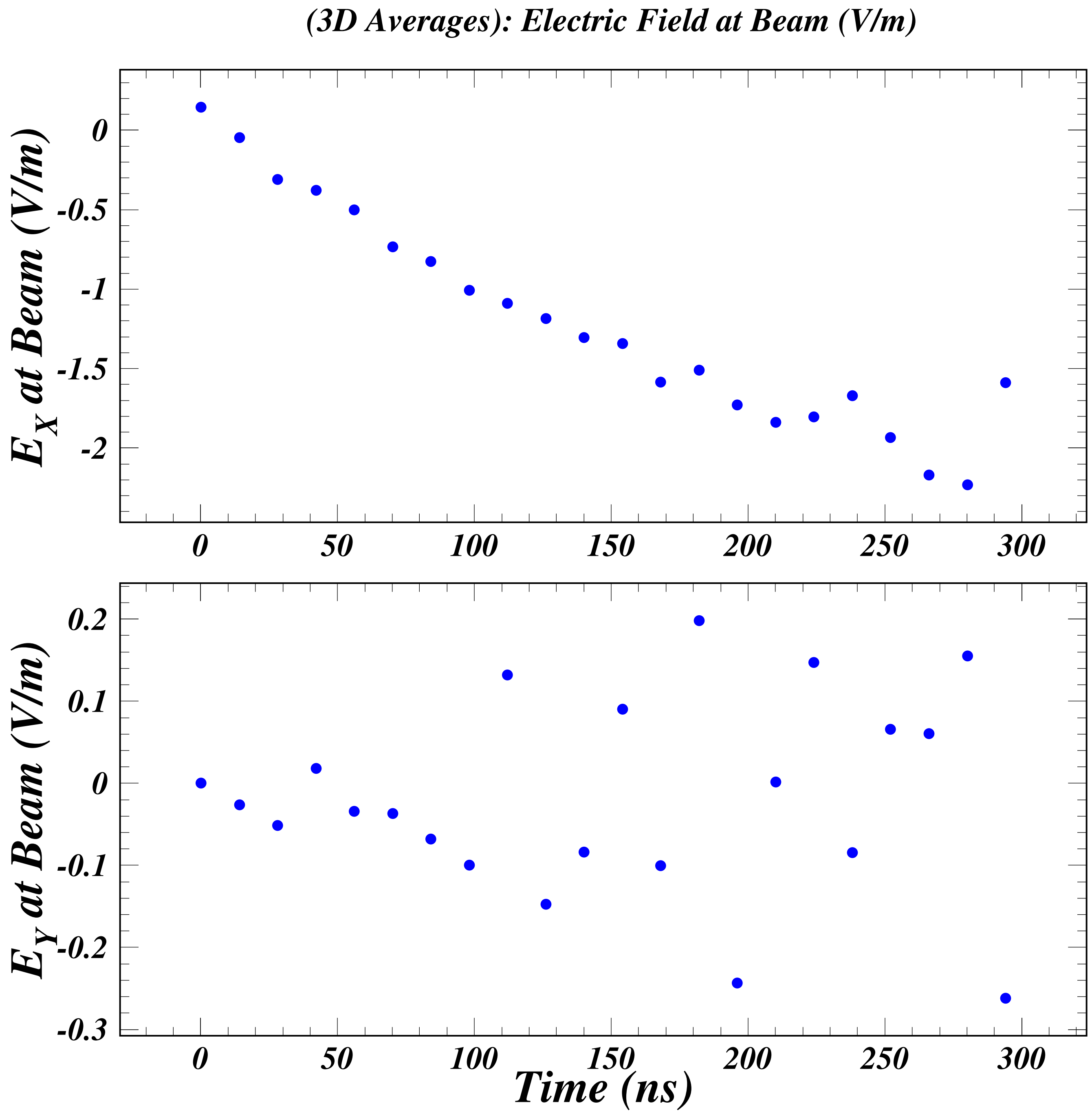
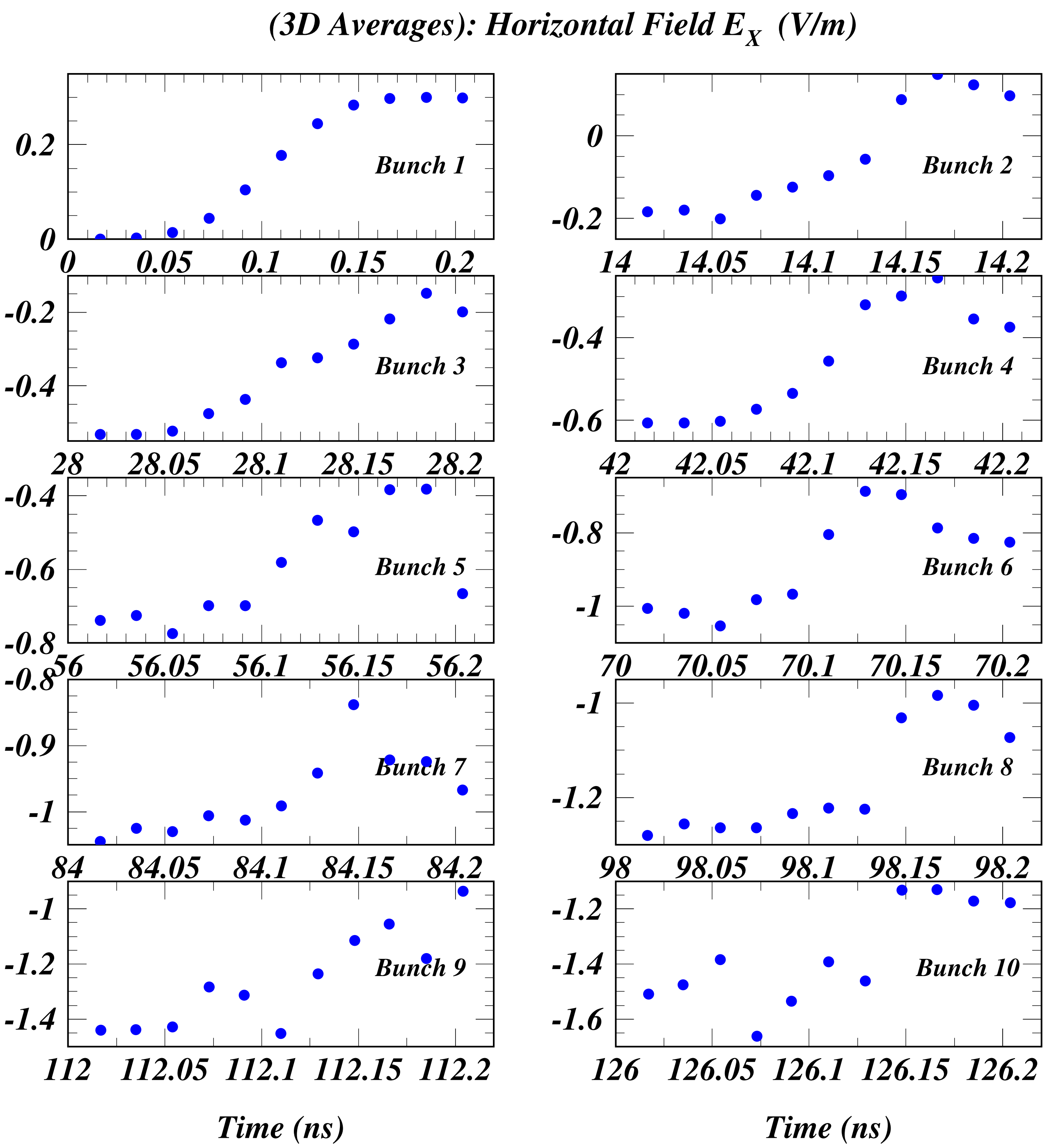


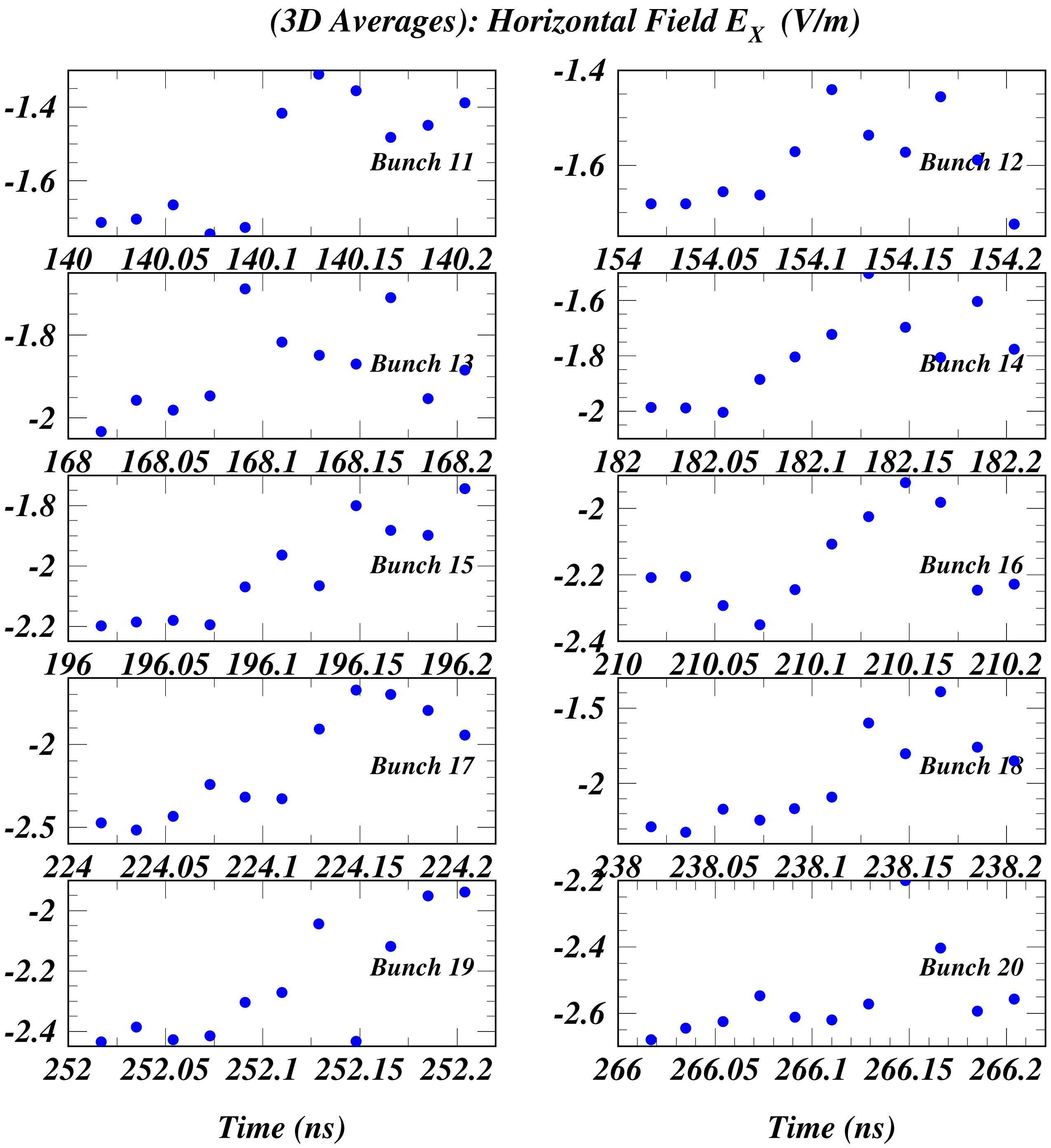
(2D Averages): Electric Field at Beam (V/m)
E_X at Beam (V/m)
0
-0.5
-1
-1.5
-2
-2.5
0
50
100
150
200
250
300
E_Y at Beam (V/m)
0.2
0.1
0
-0.1
-0.2
-0.3
0
50
100
150
200
250
300
Time (ns)



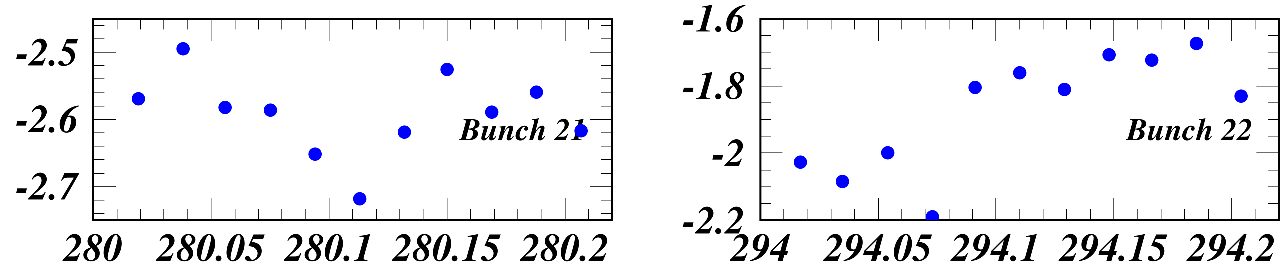
(3D Averages): Electric Field at Beam (V/m)
E_X at Beam (V/m)
0
-0.5
-1
-1.5
-2
0
50
100
150
200
250
300
E_Y at Beam (V/m)
0.2
0.1
0
-0.1
-0.2
-0.3
0
50
100
150
200
250
300
Time (ns)

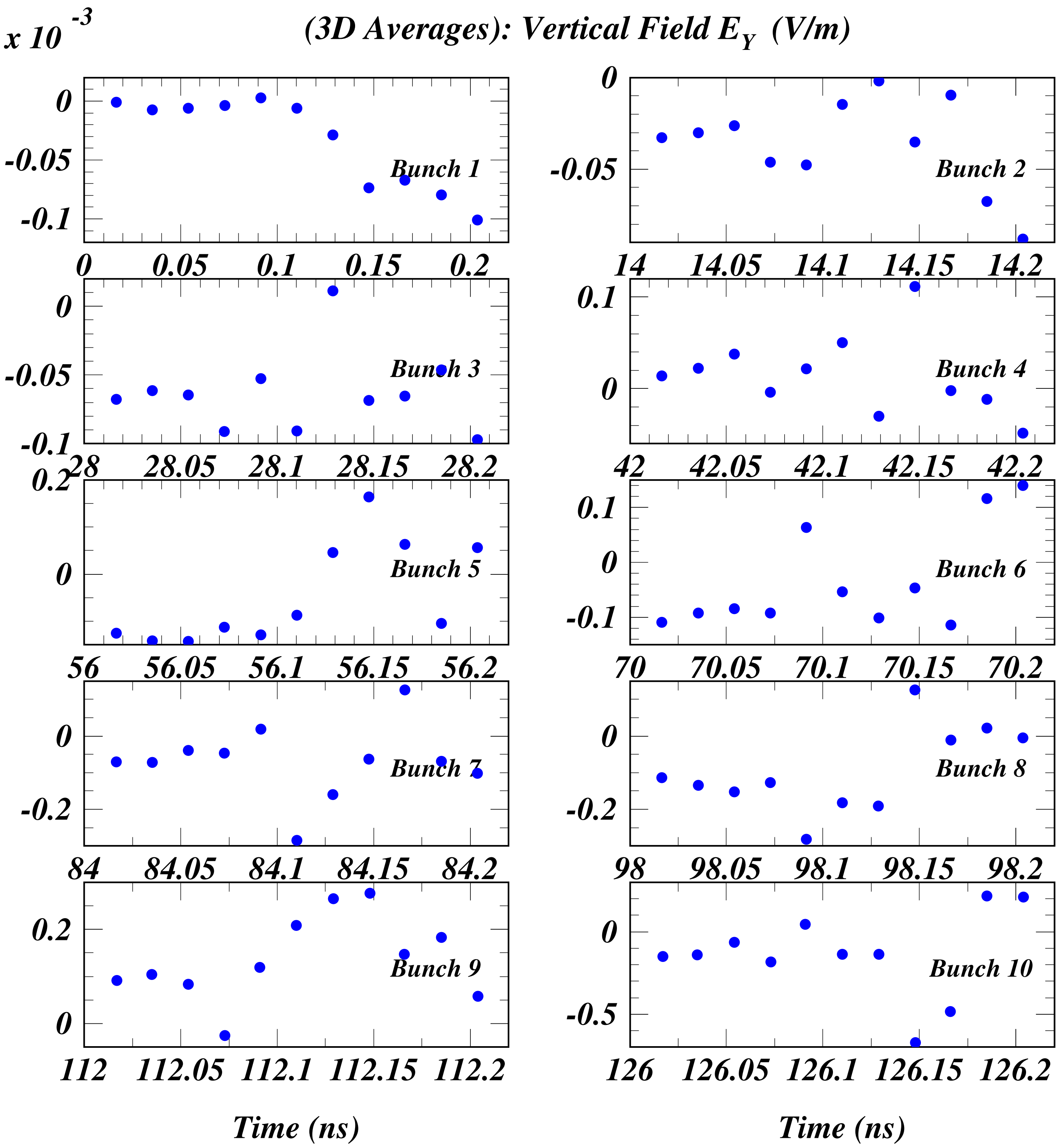


(3D Averages): Horizontal Field E_X (V/m)
Bunch 1
Bunch 2
Bunch 3
Bunch 4
Bunch 5
Bunch 6
Bunch 7
Bunch 8
Bunch 9
Bunch 10
Time (ns)
Time (ns)

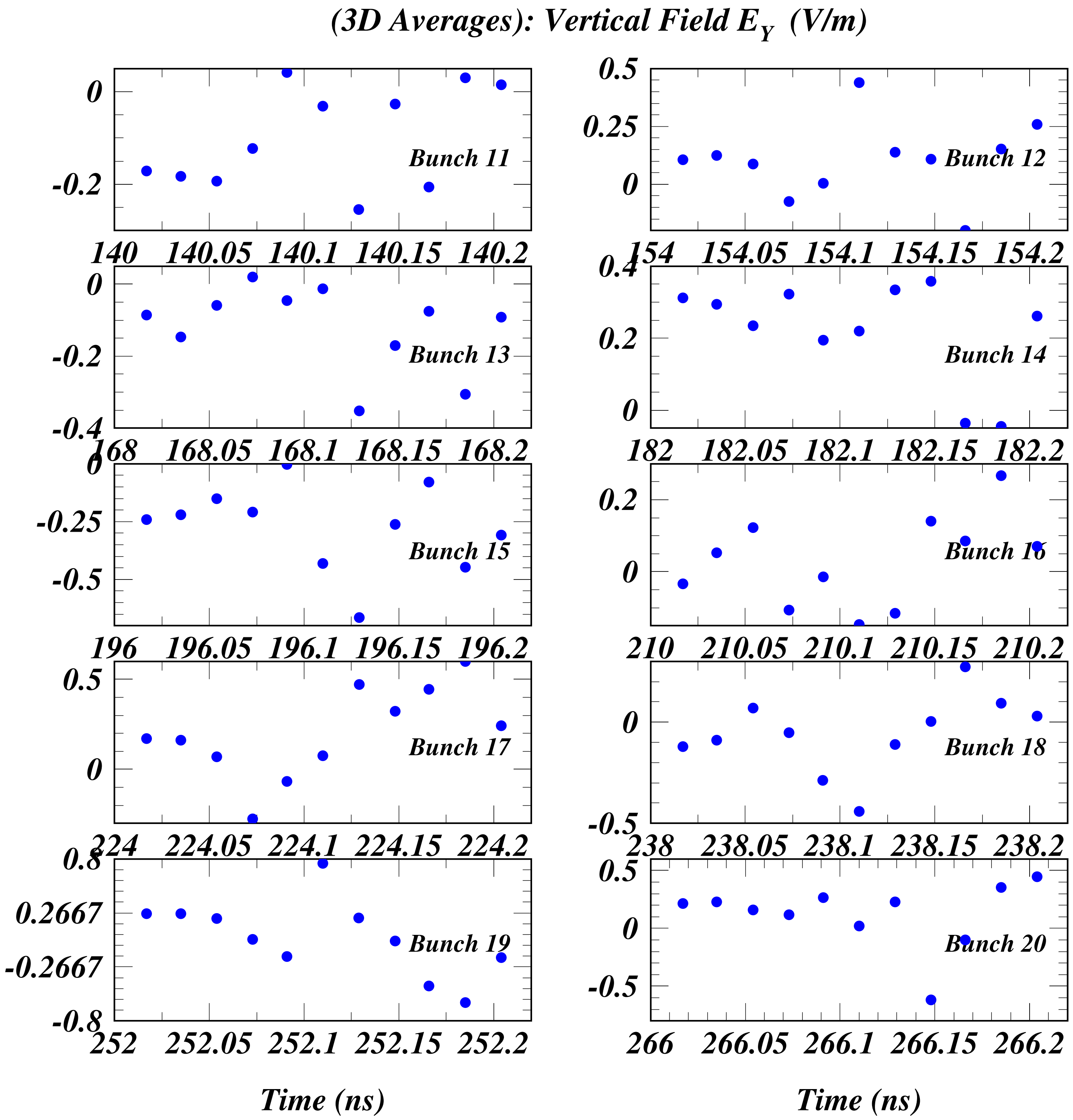

(3D Averages): Horizontal Field E_X (V/m)
Bunch 11
Bunch 12
Bunch 13
Bunch 14
Bunch 15
Bunch 16
Bunch 17
Bunch 18
Bunch 19
Bunch 20
Time (ns)
Time (ns)

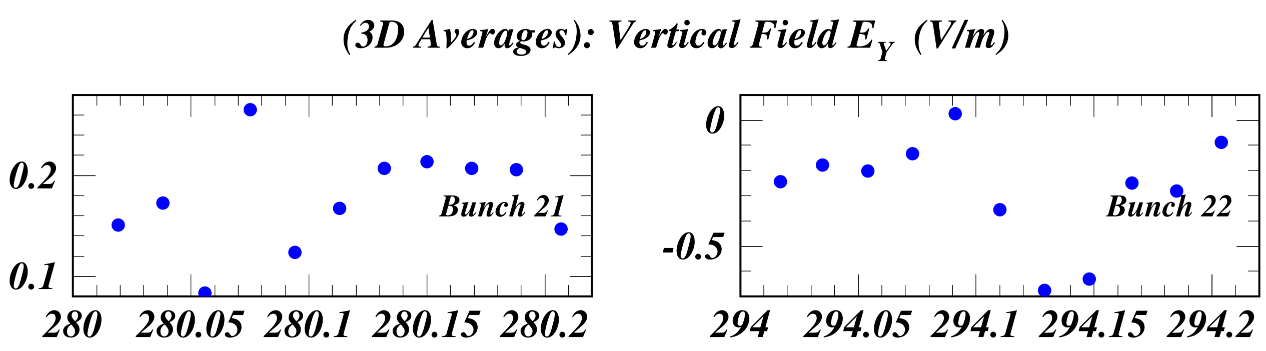
(3D Averages): Horizontal Field E_X (V/m)





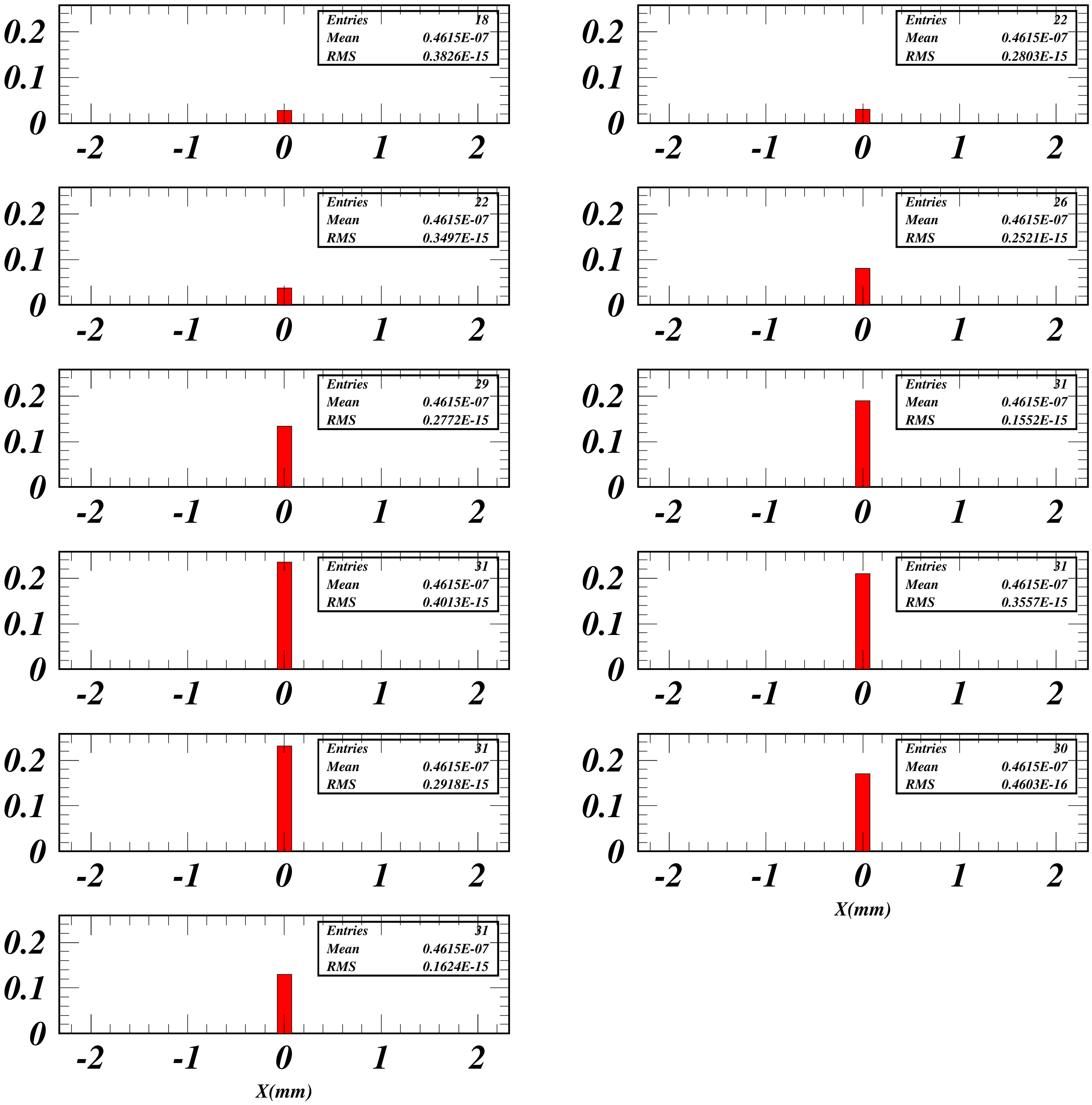
x 10^-3
(3D Averages): Vertical Field E_Y (V/m)
Bunch 1
Bunch 2
Bunch 3
Bunch 4
Bunch 5
Bunch 6
Bunch 7
Bunch 8
Bunch 9
Bunch 10
Time (ns)
Time (ns)


(3D Averages): Vertical Field E_Y (V/m)
Bunch 11
Bunch 12
Bunch 13
Bunch 14
Bunch 15
Bunch 16
Bunch 17
Bunch 18
Bunch 19
Bunch 20
Time (ns)
Time (ns)

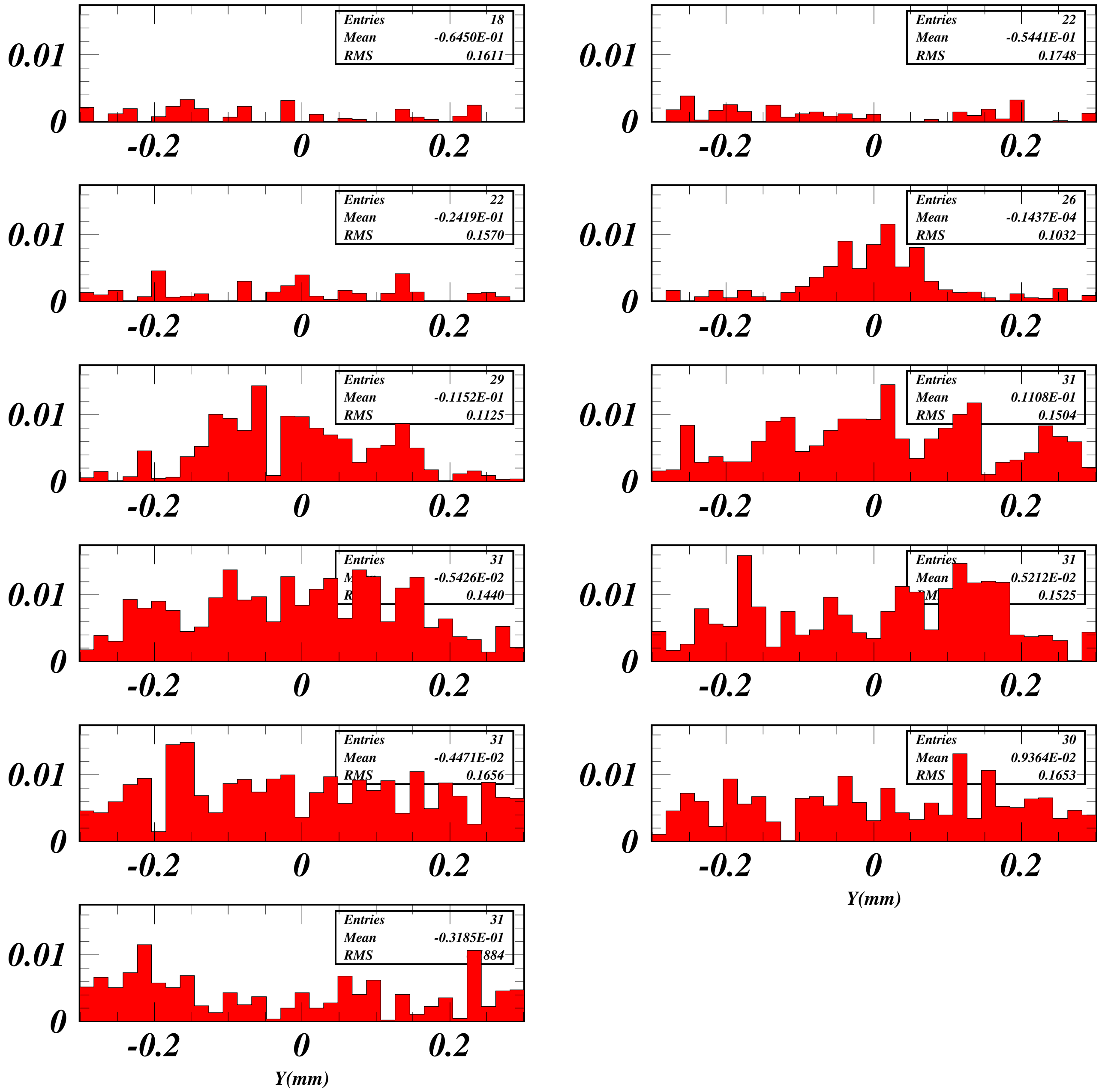


(3D Averages): Vertical Field E_Y (V/m)
0.2
0.1
Bunch 21
280
280.05
280.1
280.15
280.2
0
-0.5
Bunch 22
294
294.05
294.1
294.15
294.2

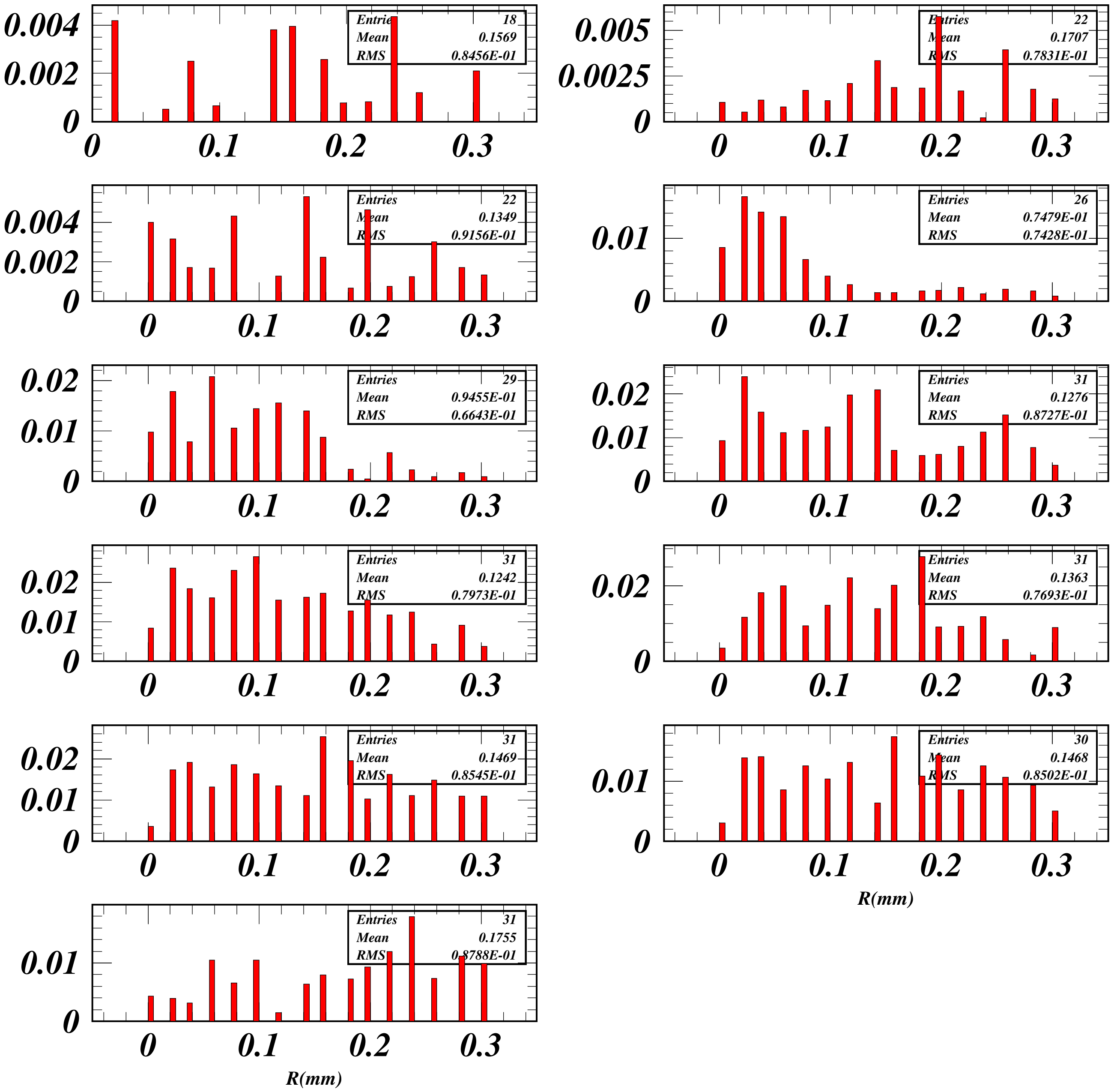
Job 41226: Cloud charge profiles in bunch 20 (units $10^6 e$)



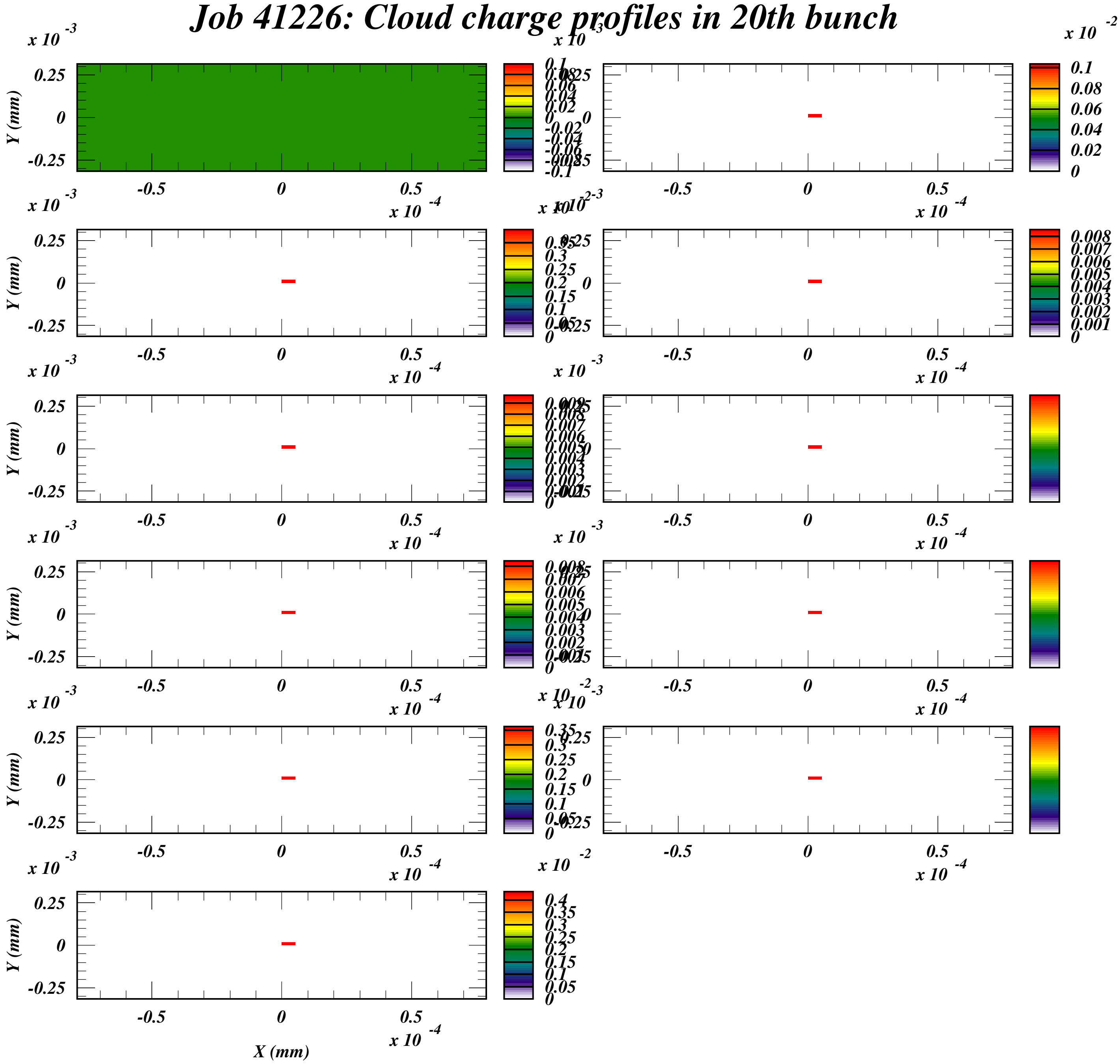
Job 41226: Cloud charge profiles in bunch 20 (units 10^6e)

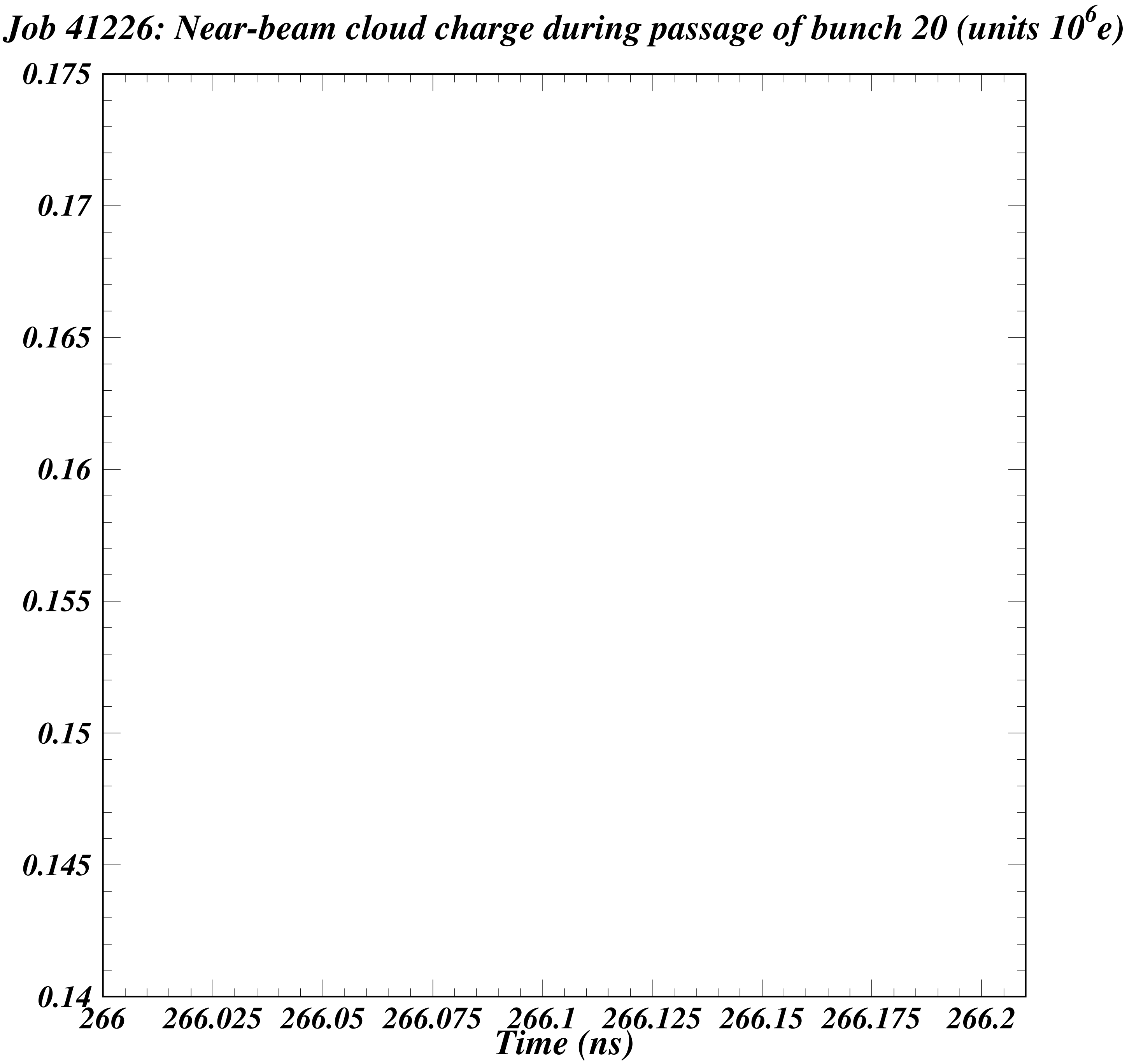


Job 41226: Cloud charge profiles in bunch 20 (units $10^6 e$)



Job 41226: Cloud charge profiles in 20th bunch




Job 41226: Near-beam cloud charge during passage of bunch 20 (units 10^6e)
0.175
0.17
0.165
0.16
0.155
0.15
0.145
0.14
266
266.025
266.05
266.075
266.1
266.125
266.15
266.175
266.2
Time (ns)