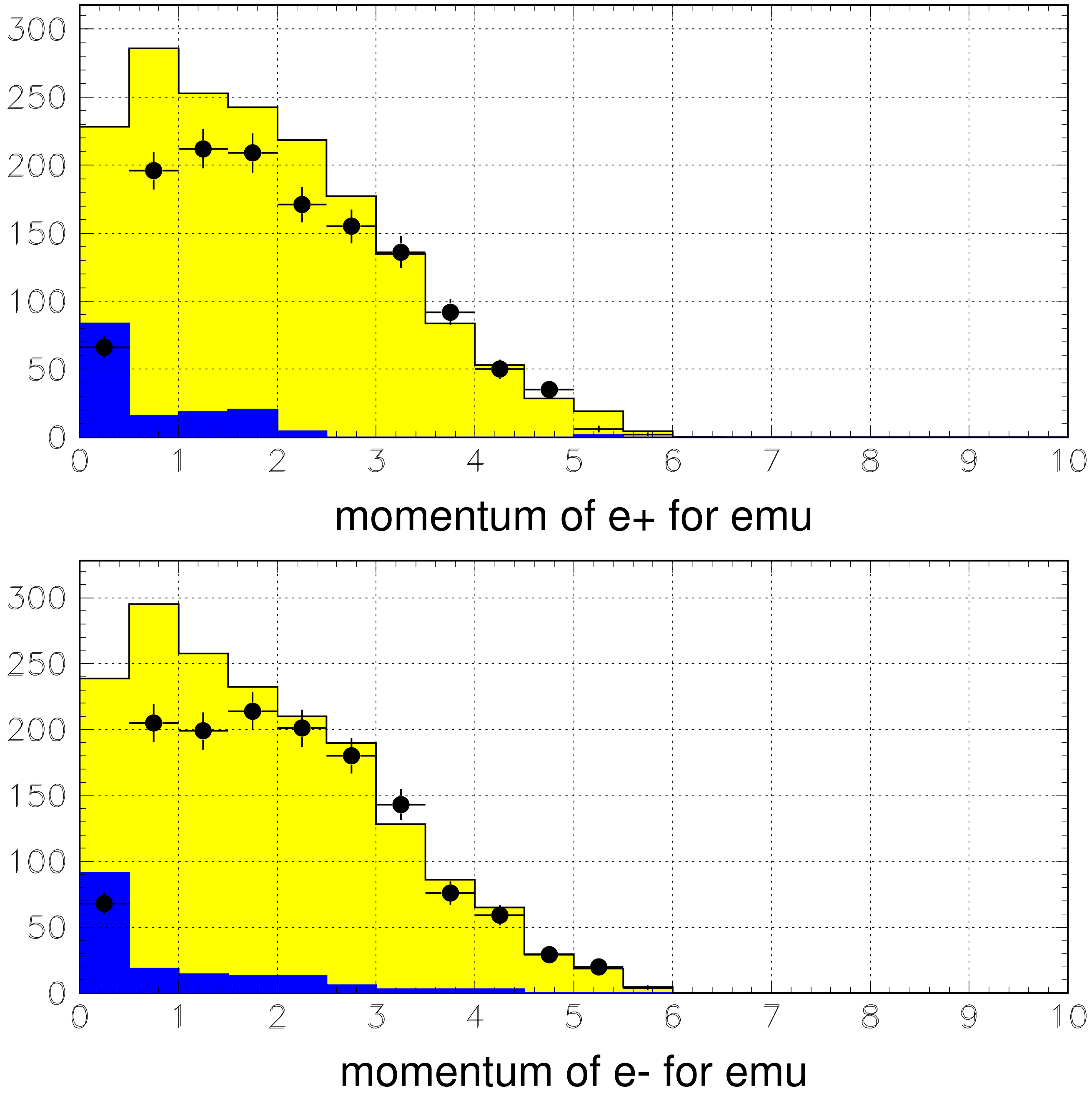
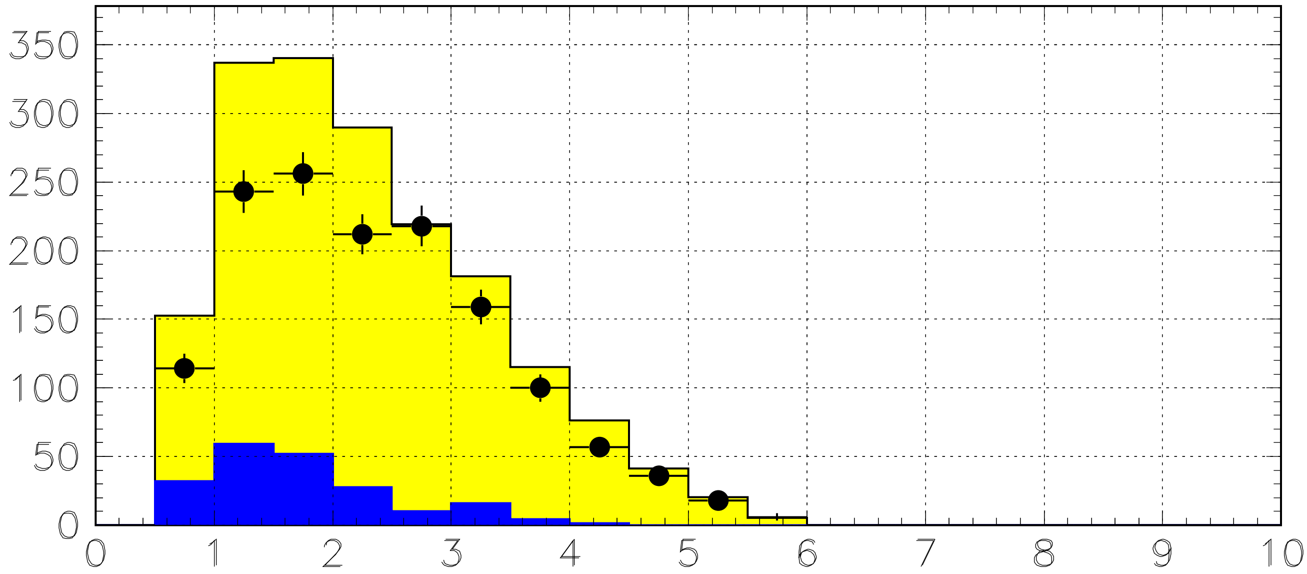
z0/01/19 04.43

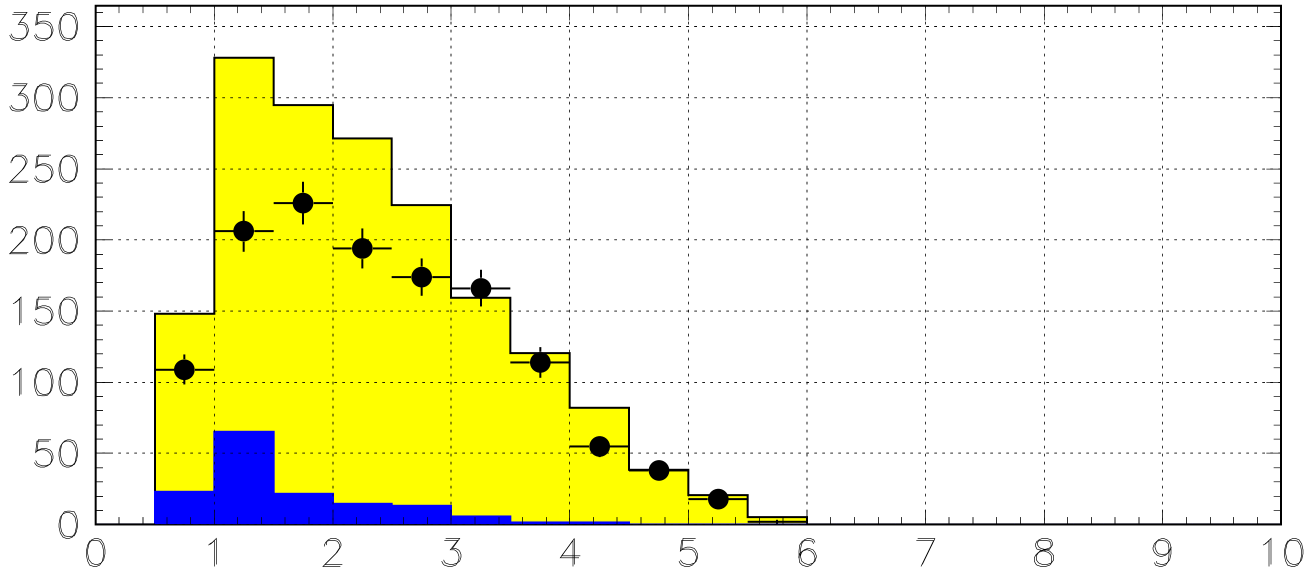


300
250
200
150
100
50
0
0
1
2
3
4
5
6
7
8
9
10
momentum of e+ for emu
300
250
200
150
100
50
0
0
1
2
3
4
5
6
7
8
9
10
momentum of e- for emu

z0/01/19 04.43

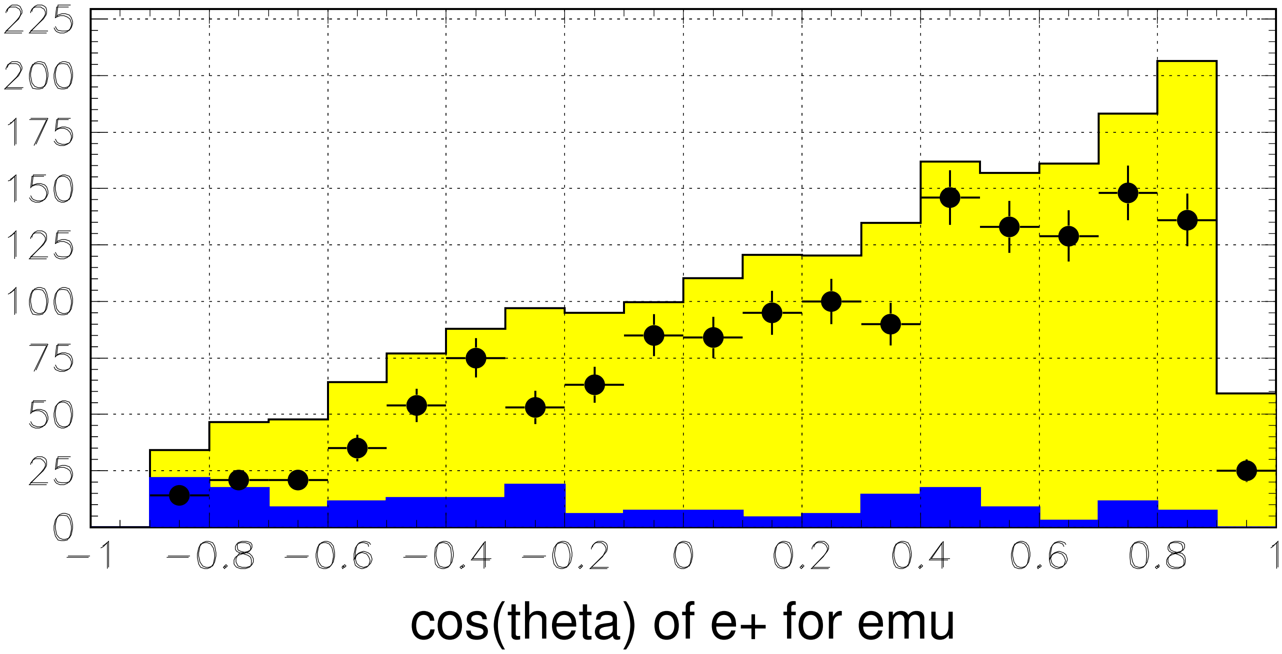


momentum of mu+ for emu

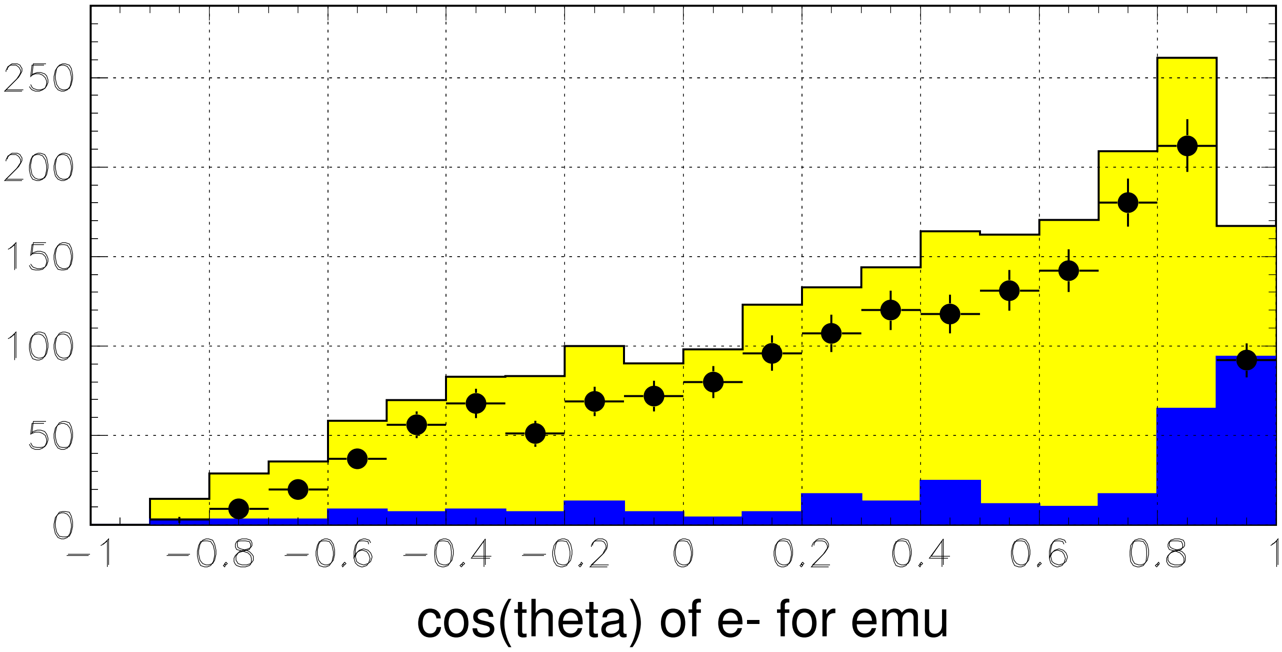


momentum of mu- for emu

z0/01/19 04.43

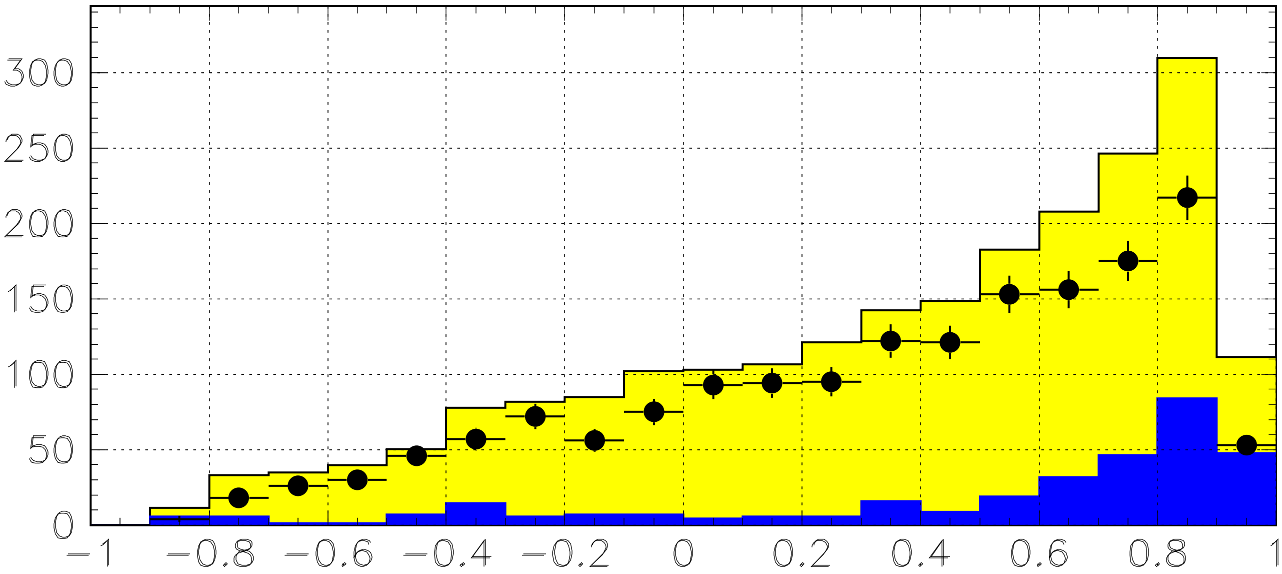


225
200
175
150
125
100
75
50
25
0
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
cos(theta) of e+ for emu

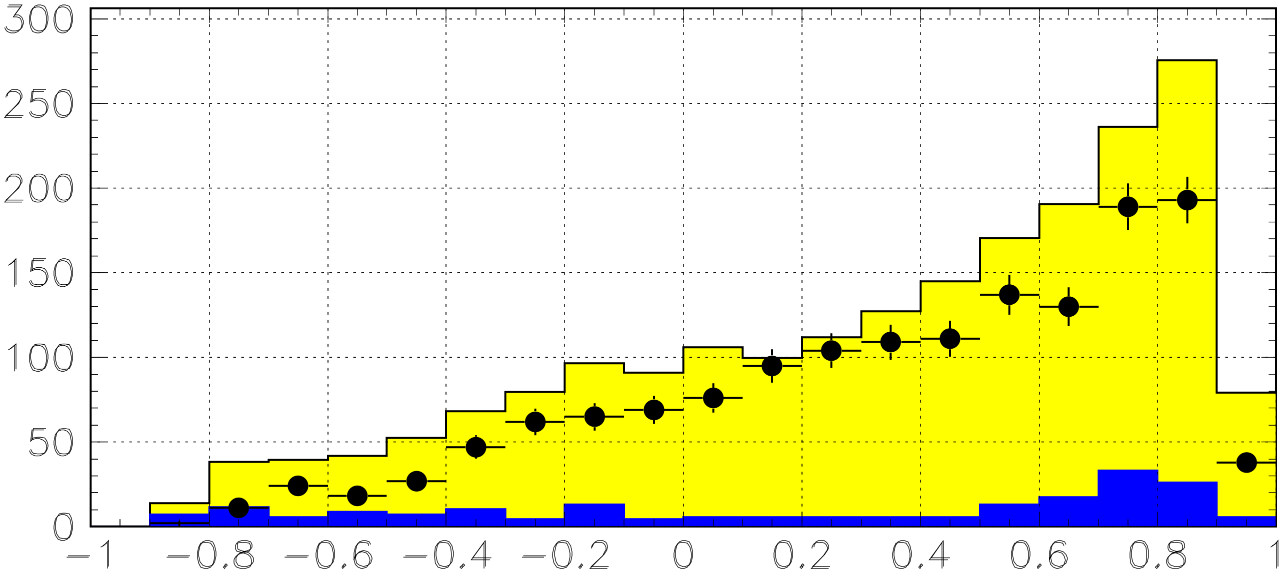


250
200
150
100
50
0
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
cos(theta) of e- for emu

z0/01/19 04.43

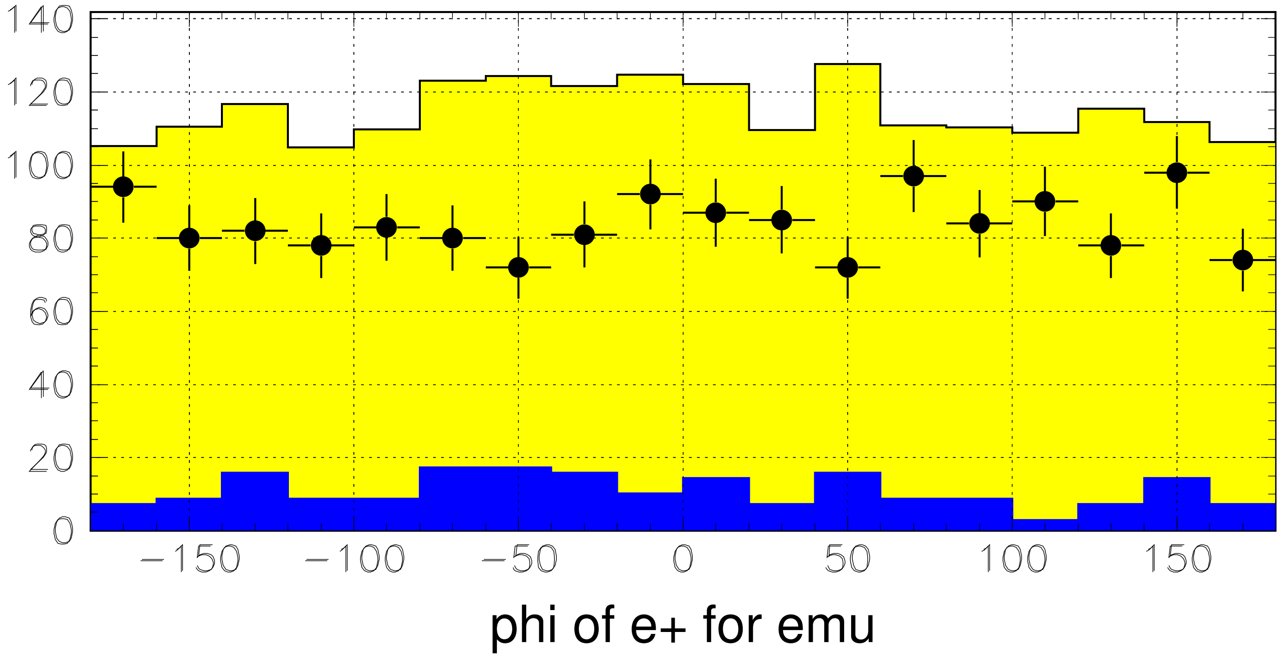


cos(theta) of mu+ for emu

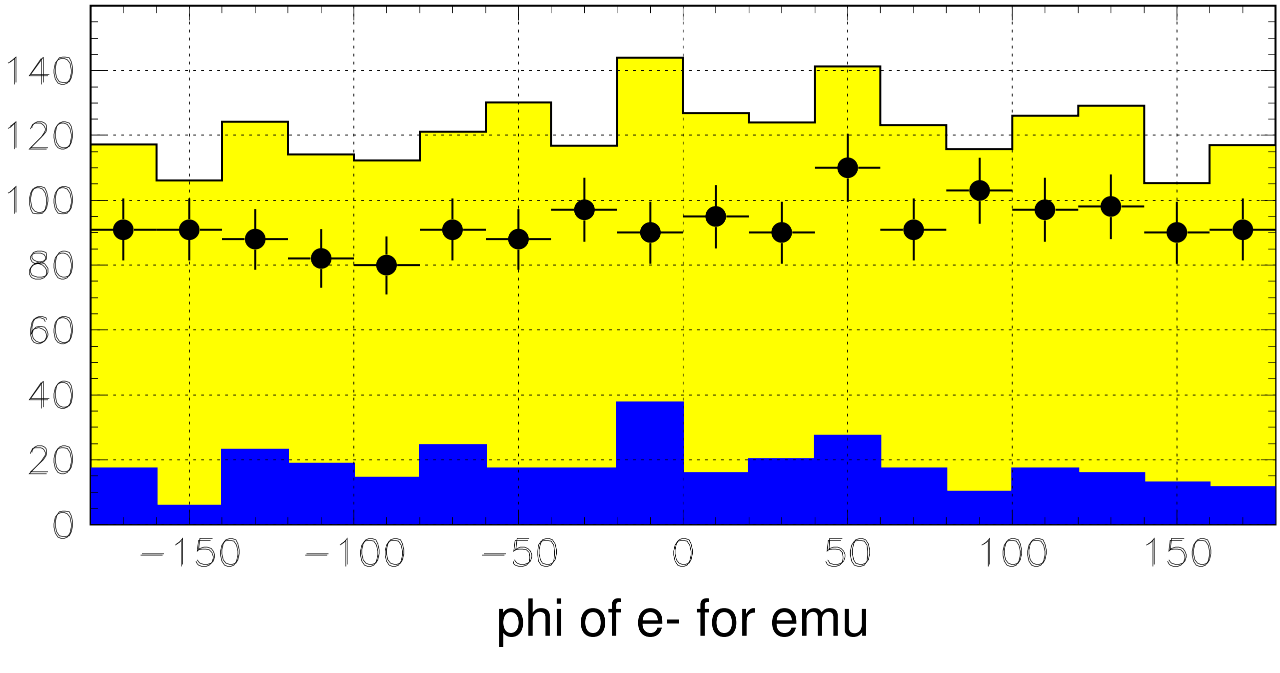


cos(theta) of mu- for emu

z0/01/19 04.44

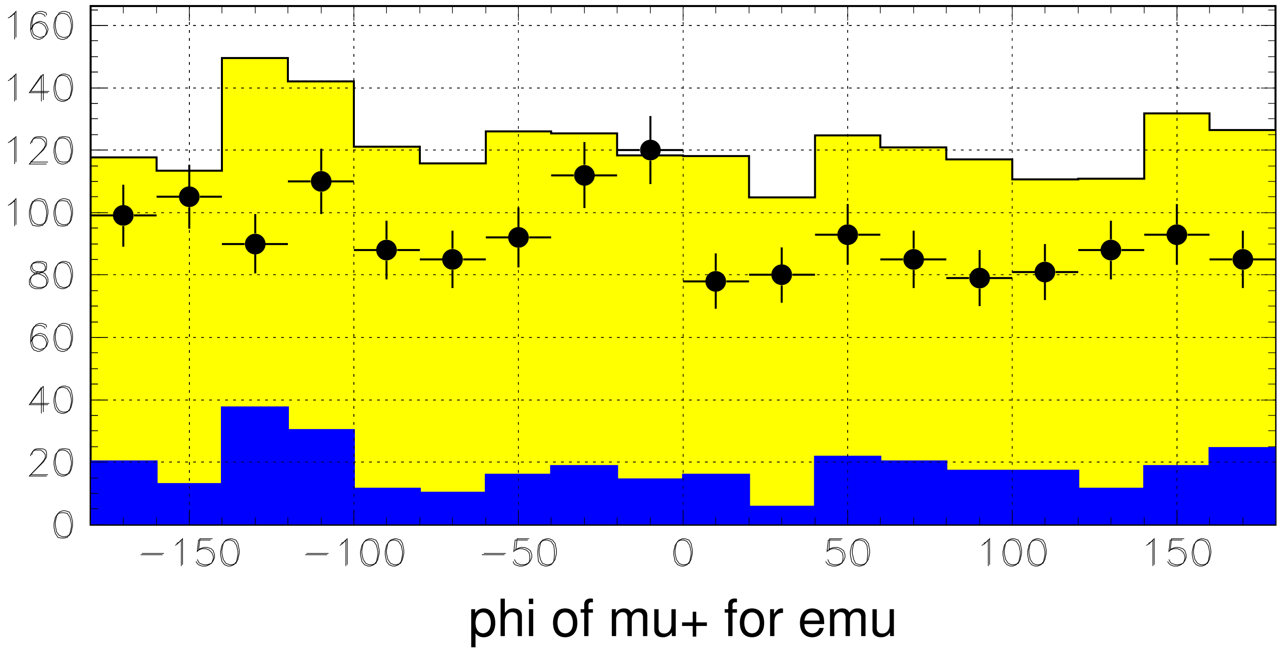


140
120
100
80
60
40
20
0
−150
−100
−50
0
50
100
150
phi of e+ for emu

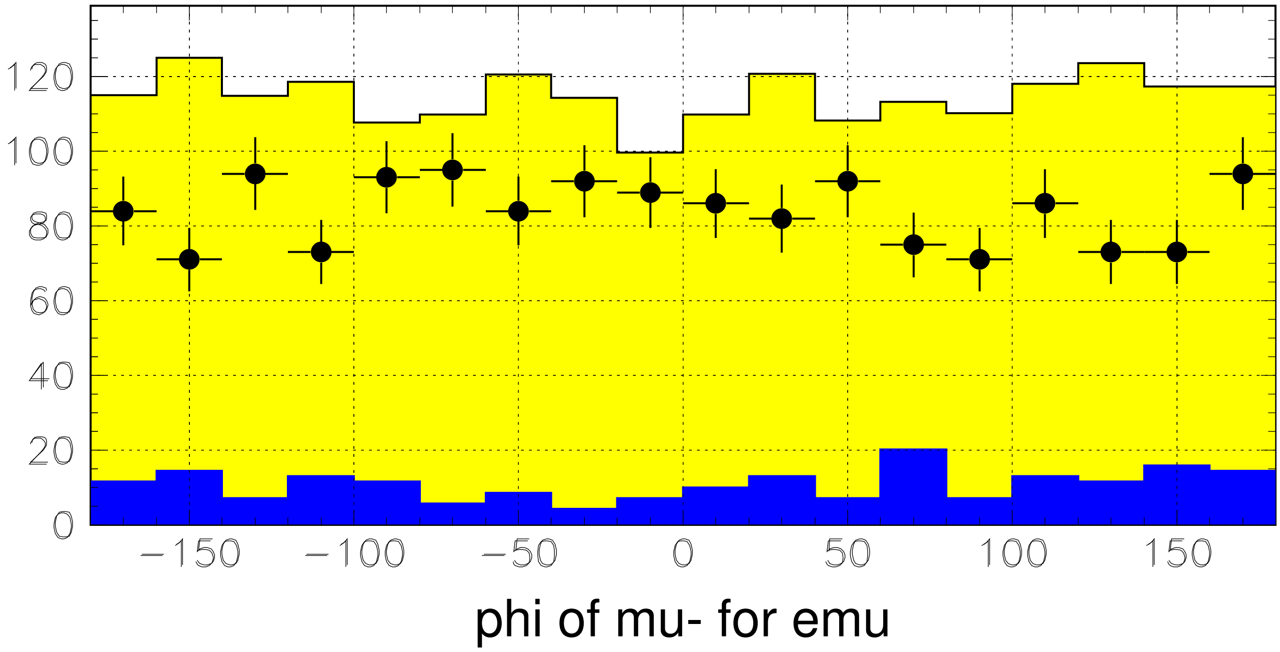


140
120
100
80
60
40
20
0
−150
−100
−50
0
50
100
150
phi of e- for emu

z0/01/19 04.44

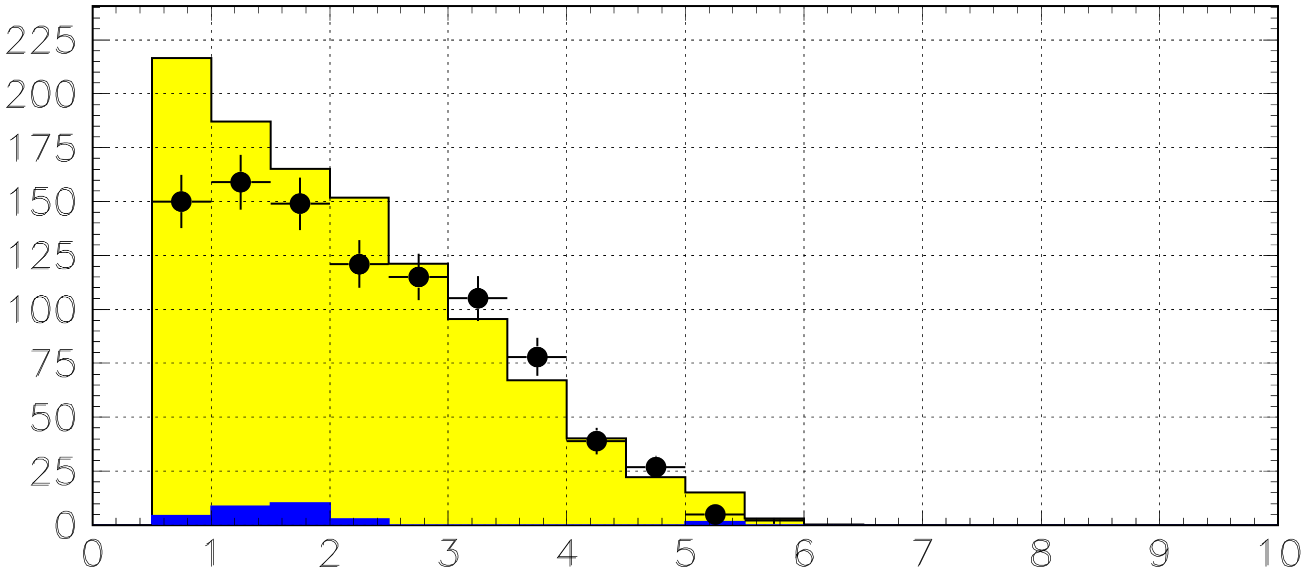


160
140
120
100
80
60
40
20
0
−150
−100
−50
0
50
100
150
phi of mu+ for emu

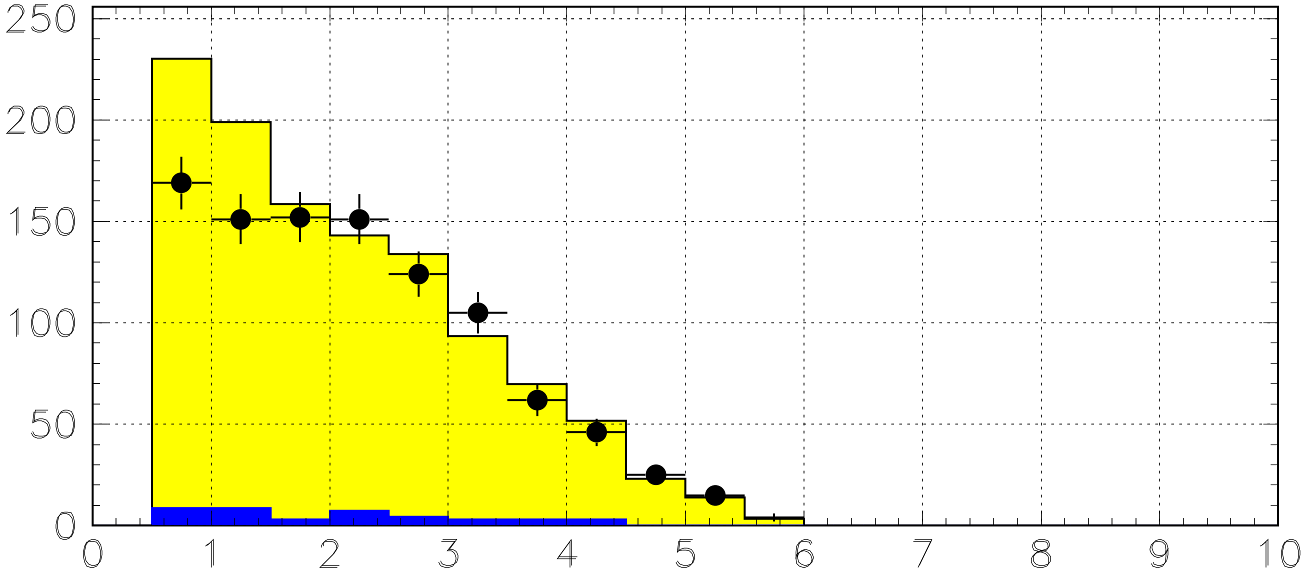


120
100
80
60
40
20
0
−150
−100
−50
0
50
100
150
phi of mu- for emu

z0/01/19 04.45

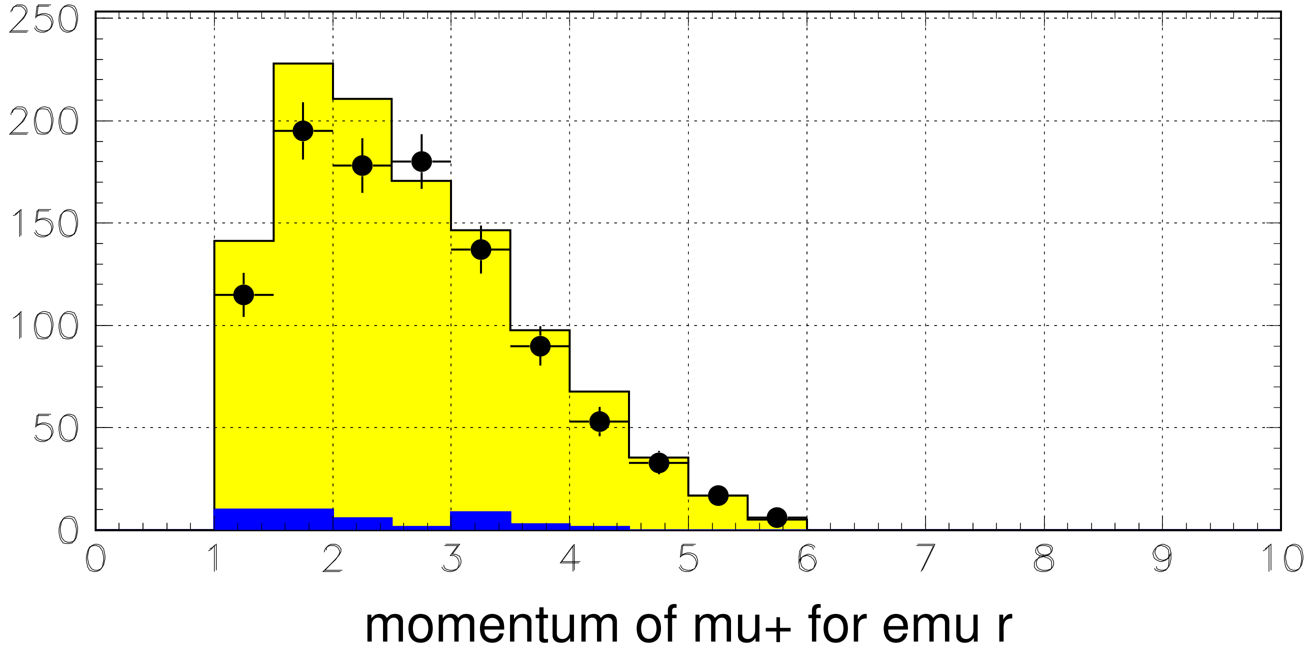


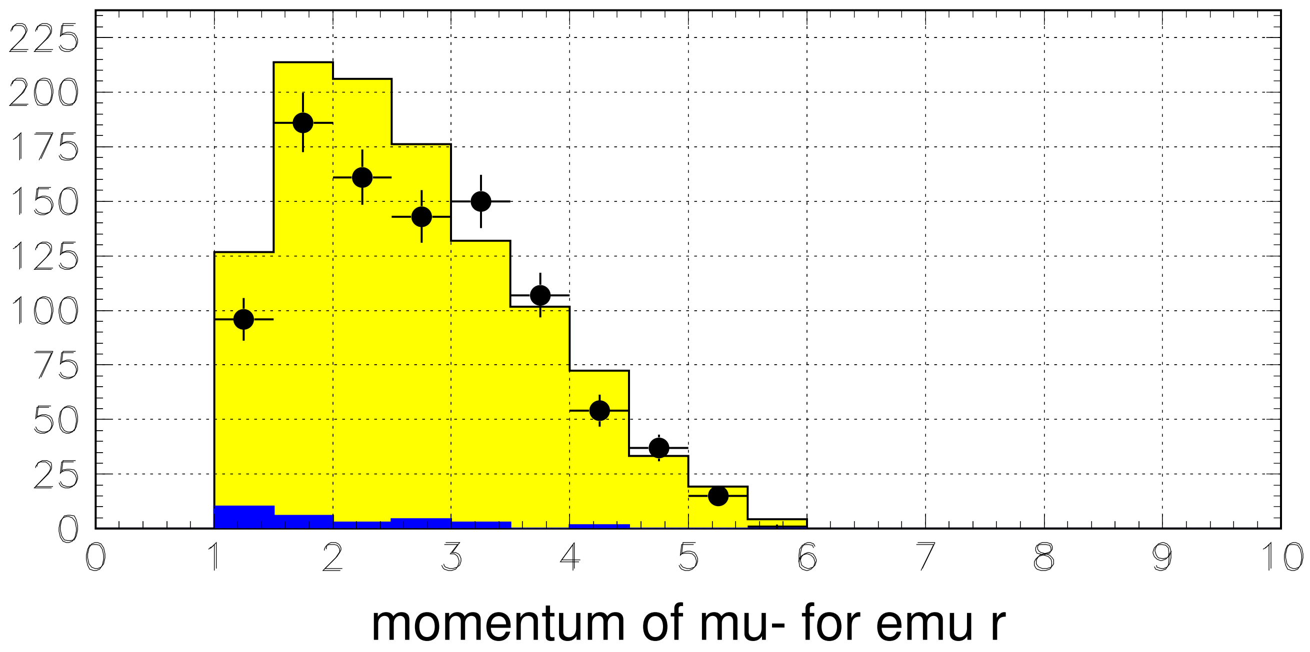
momentum of e+ for emu r



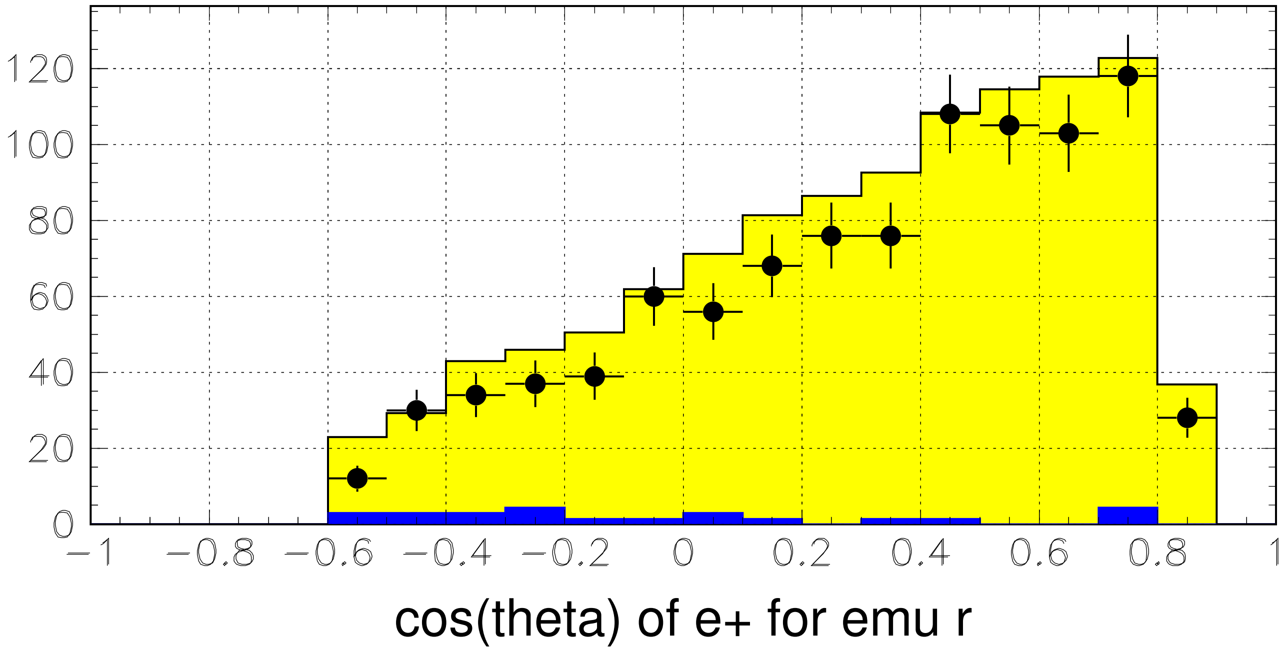
momentum of e- for emu r

z0/01/19 04.45

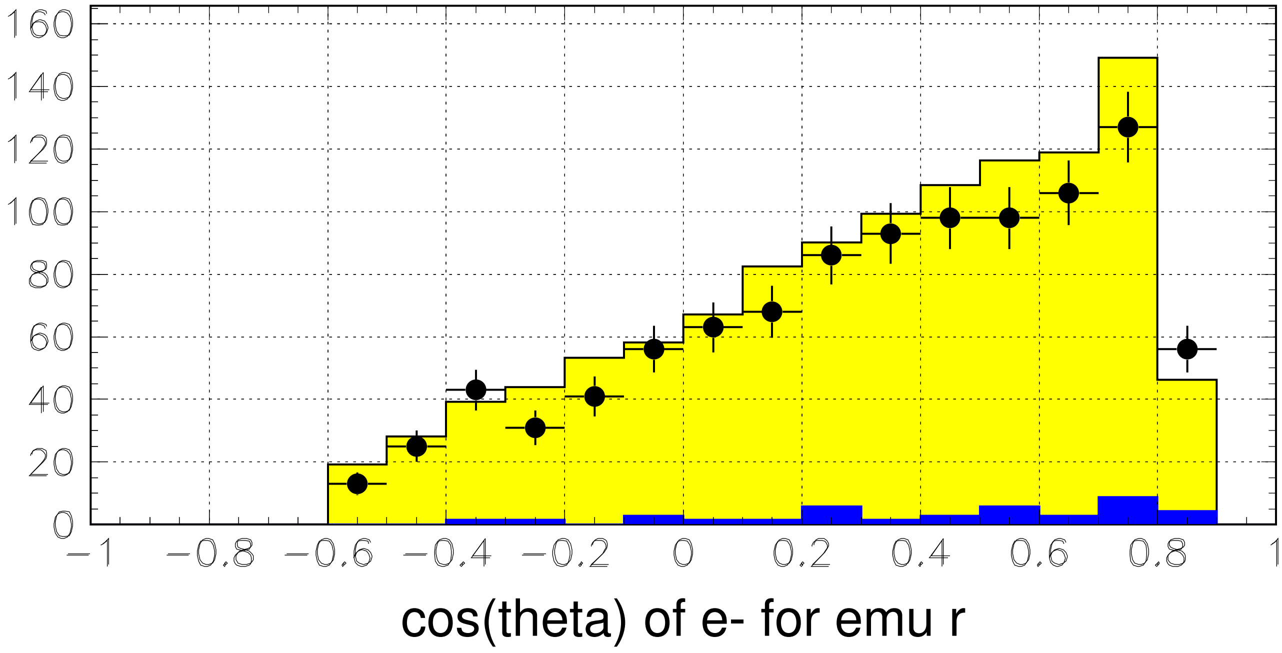

250
200
150
100
50
0
0
1
2
3
4
5
6
7
8
9
10
momentum of mu+ for emu r


225
200
175
150
125
100
75
50
25
0
0
1
2
3
4
5
6
7
8
9
10
momentum of mu- for emu r

z0/01/19 04.45

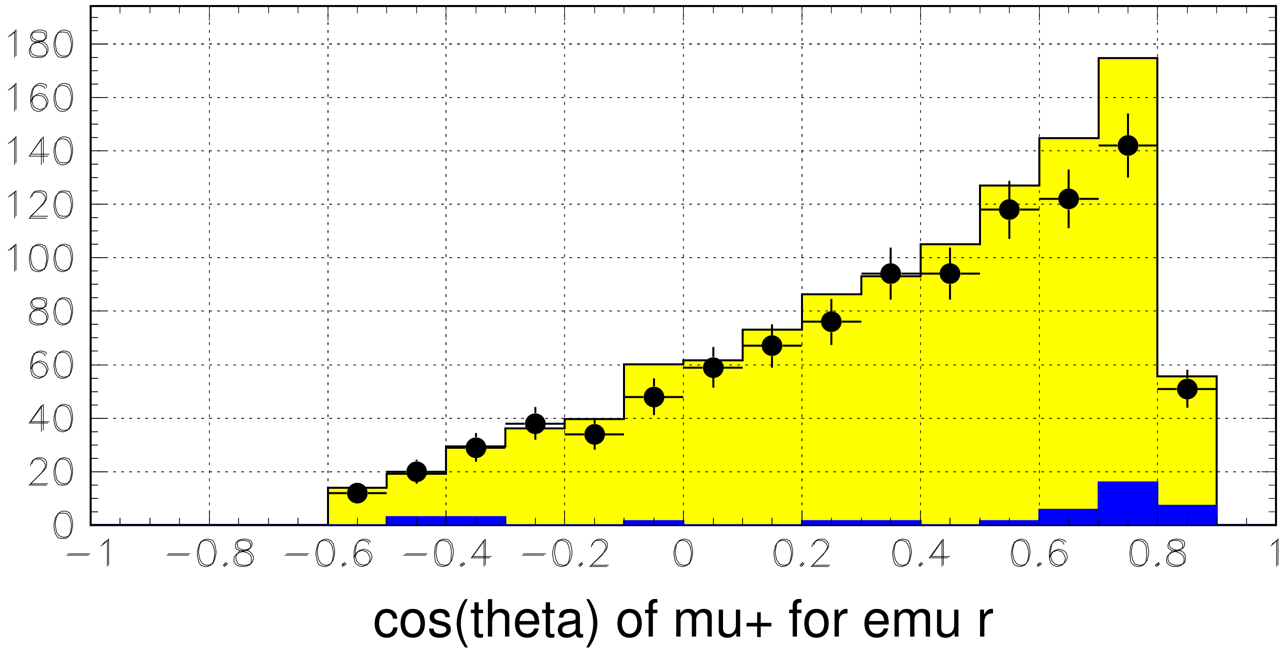


120
100
80
60
40
20
0
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
cos(theta) of e+ for emu r

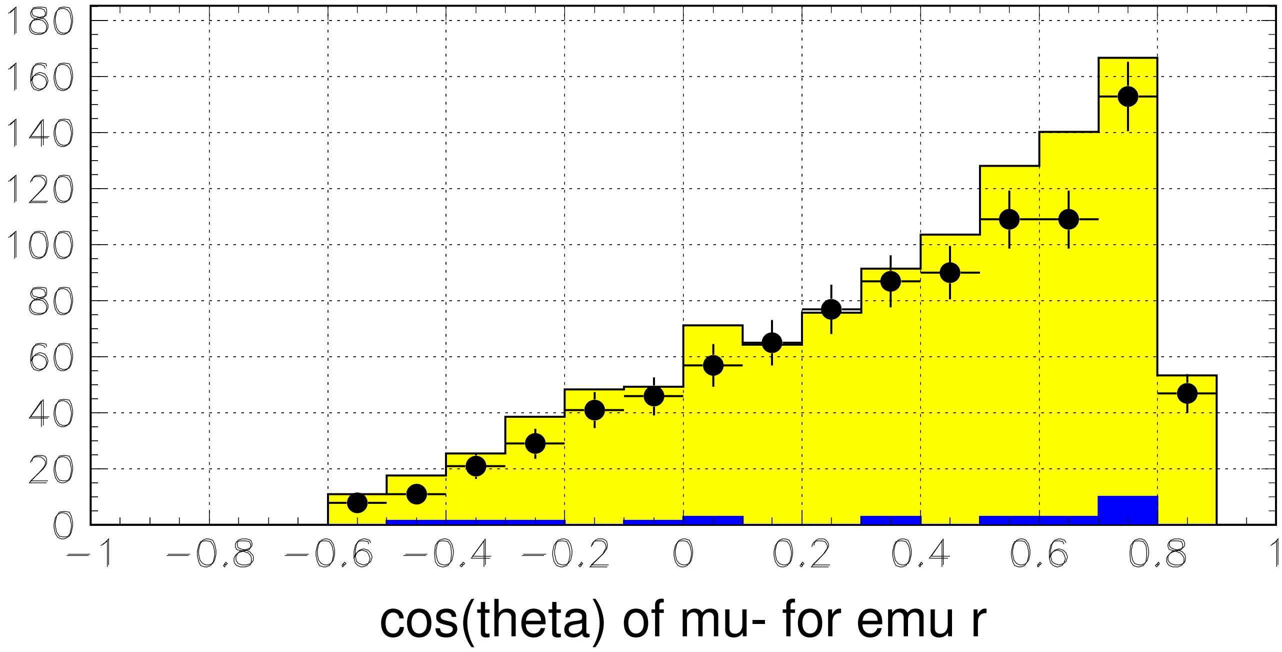


160
140
120
100
80
60
40
20
0
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
cos(theta) of e- for emu r

z0/01/19 04.45

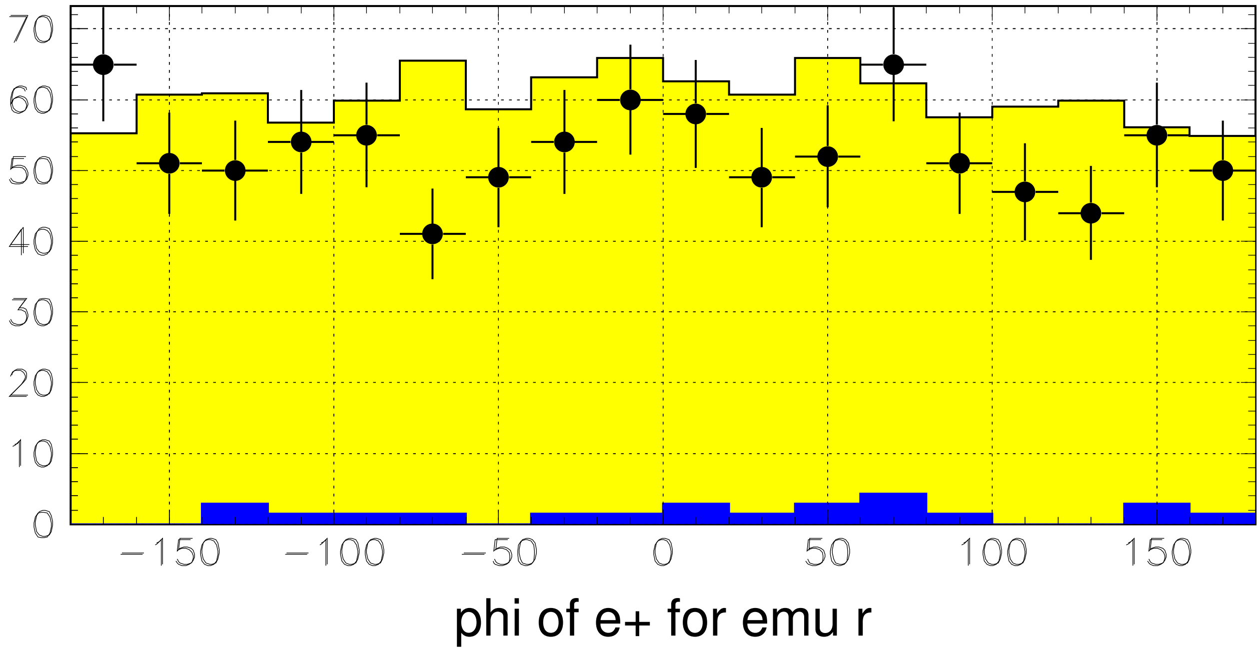


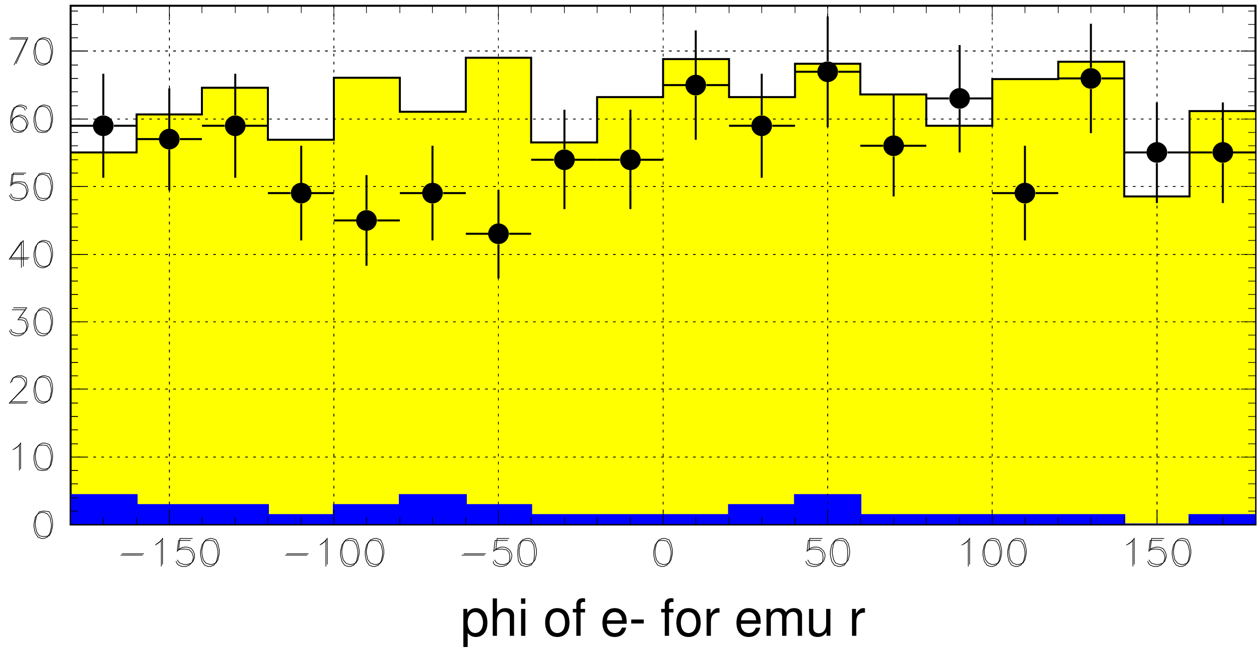
180
160
140
120
100
80
60
40
20
0
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
cos(theta) of mu+ for emu r



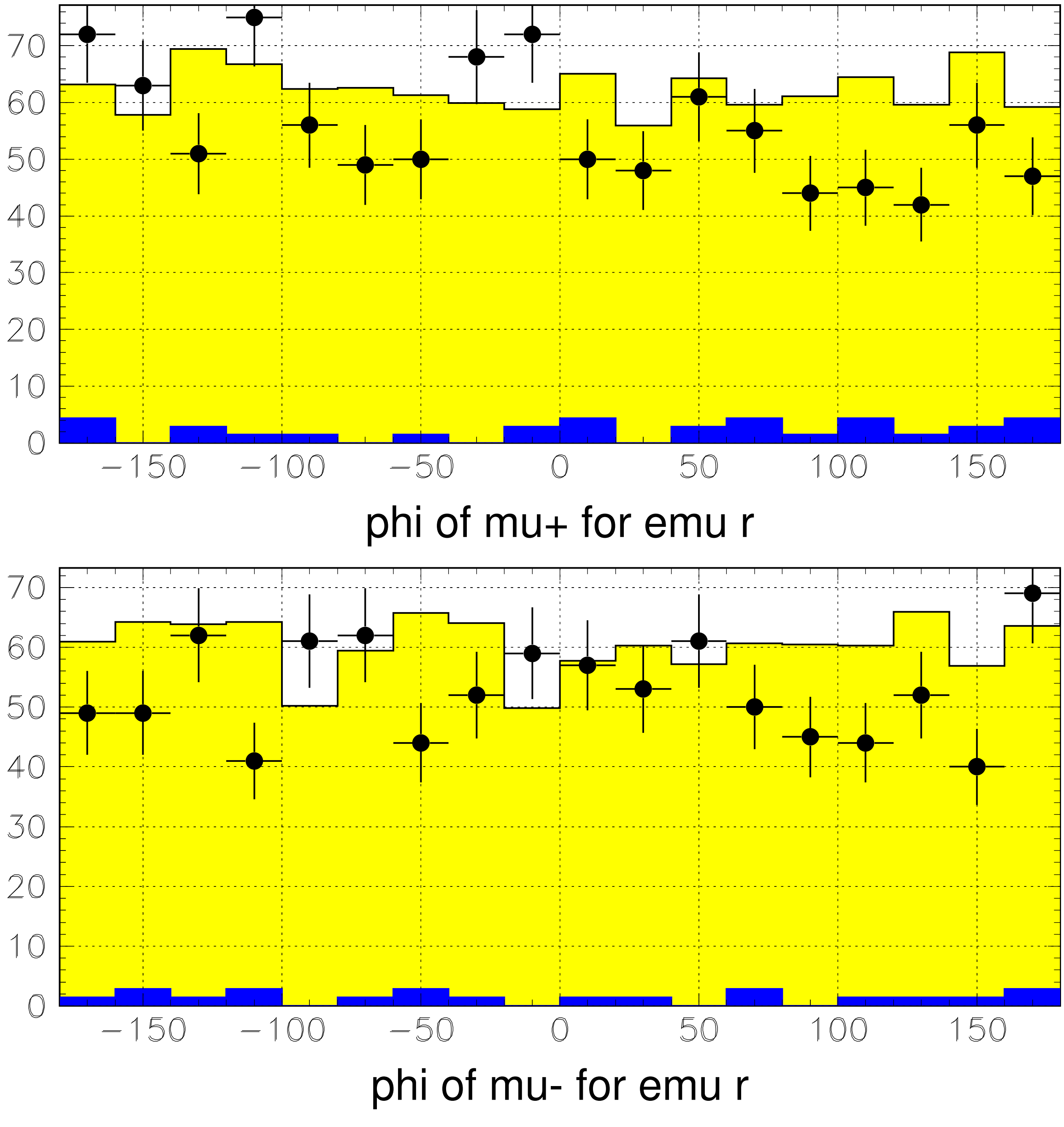
180
160
140
120
100
80
60
40
20
0
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
cos(theta) of mu- for emu r

z0/01/19 04.45


70
60
50
40
30
20
10
0
−150
−100
−50
0
50
100
150
phi of e+ for emu r

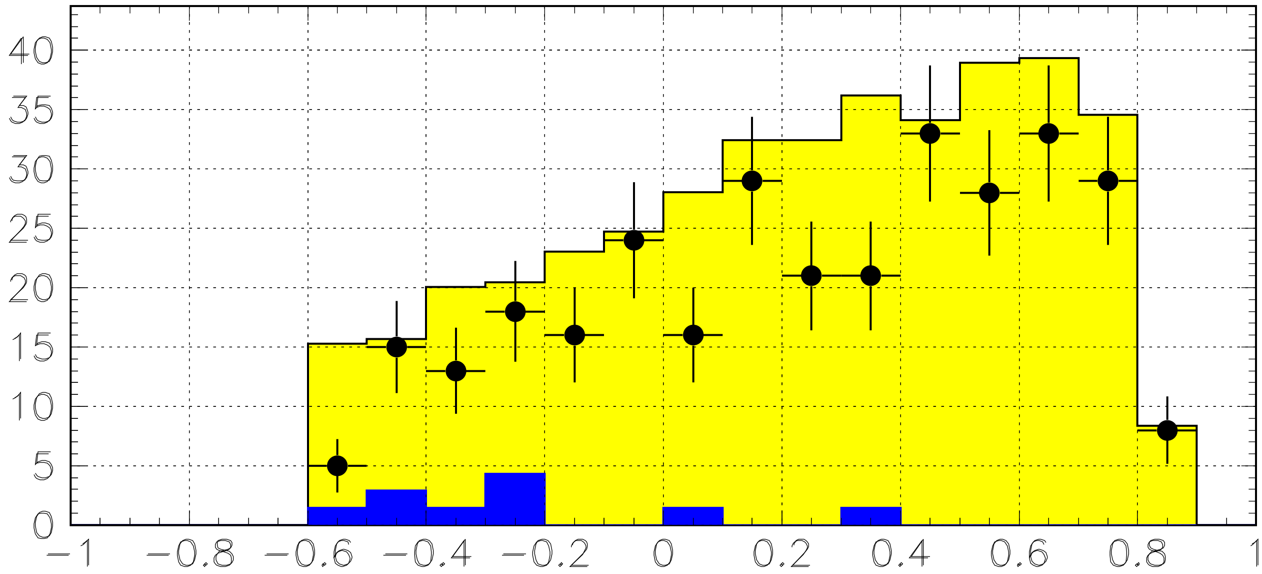

70
60
50
40
30
20
10
0
−150
−100
−50
0
50
100
150
phi of e- for emu r

z0/01/19 04.45

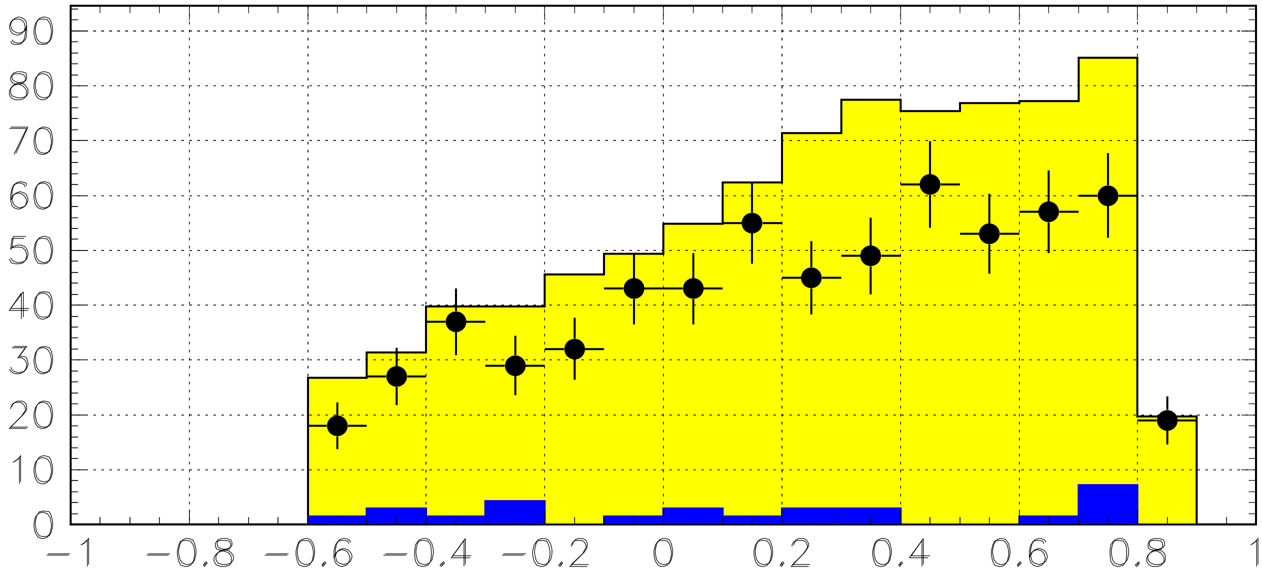


0
10
20
30
40
50
60
70
−150
−100
−50
0
50
100
150
phi of mu+ for emu r
0
10
20
30
40
50
60
70
−150
−100
−50
0
50
100
150
phi of mu- for emu r

z0/01/19 04.45

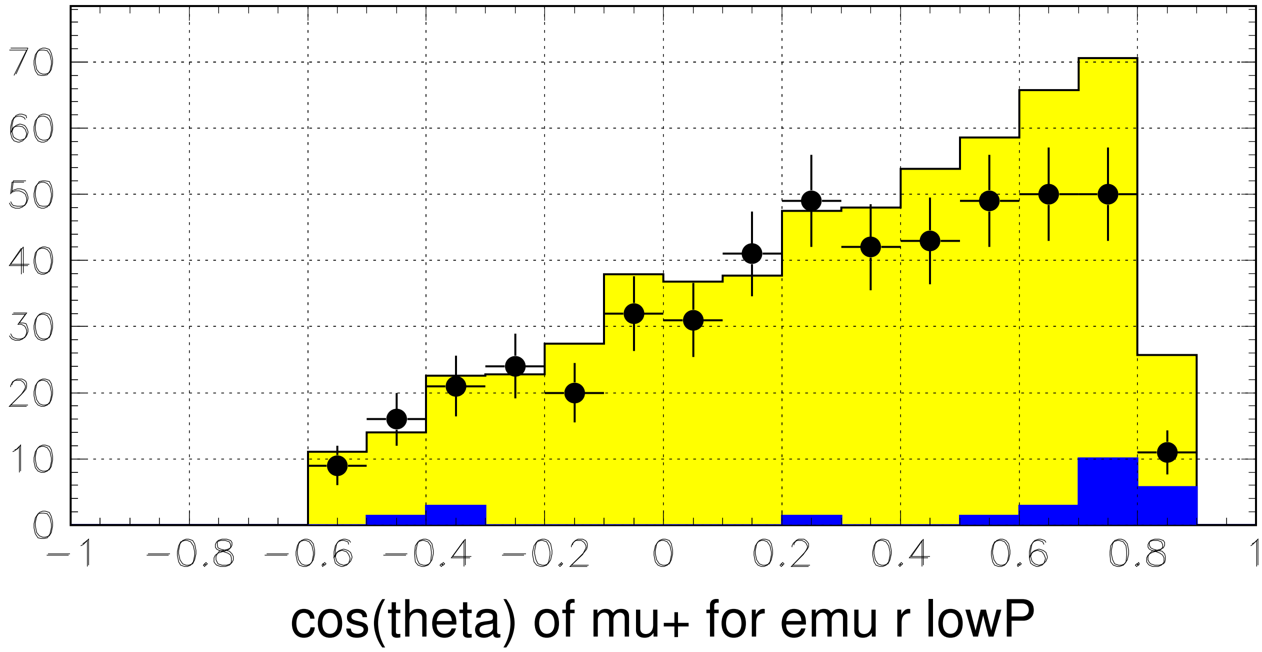


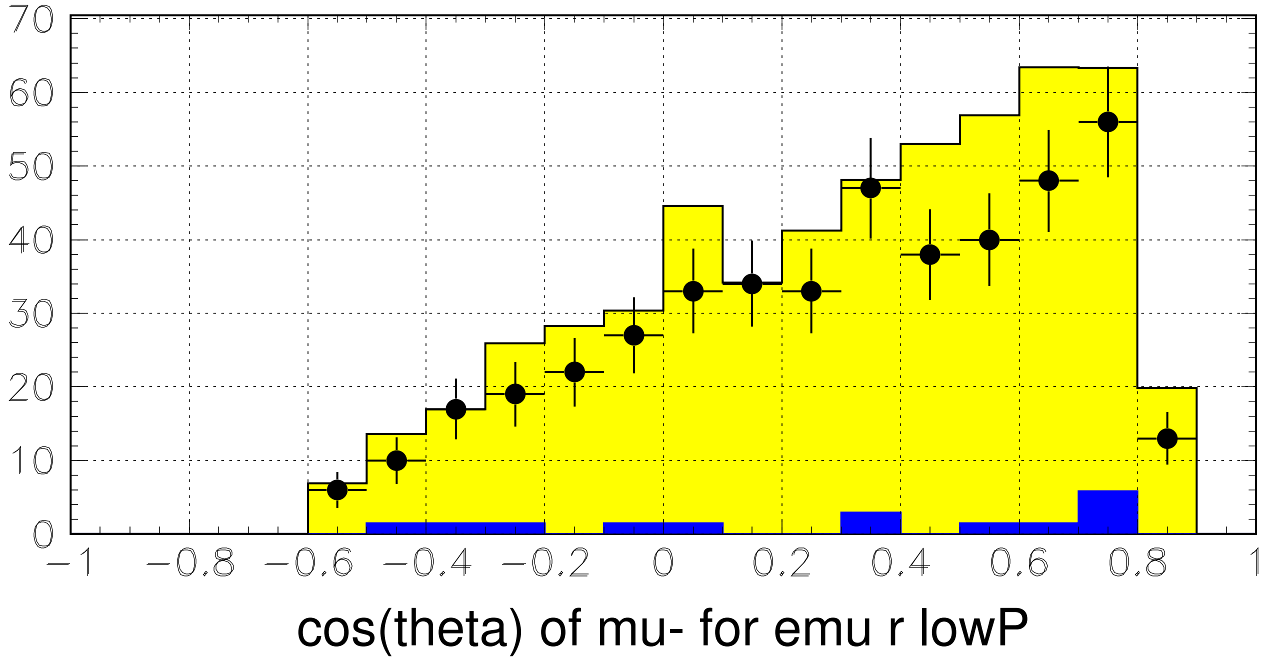
cos(theta) of e+ for emu r lowP



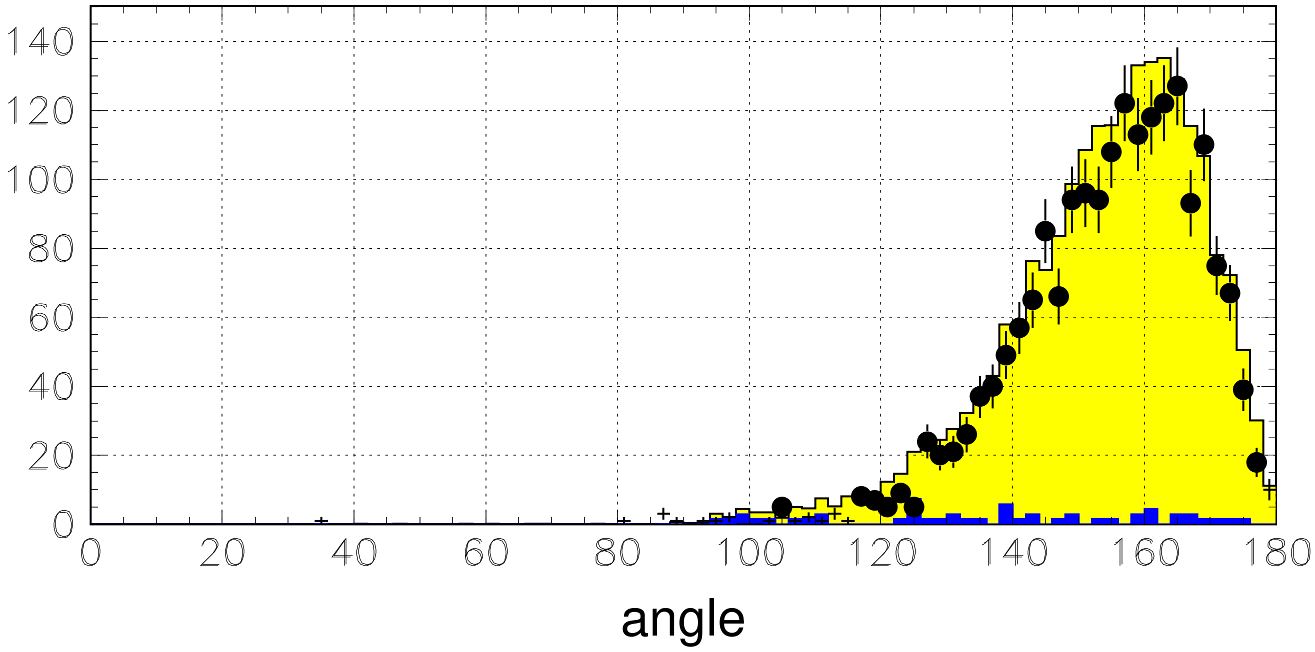
cos(theta) of e- for emu r lowP

z0/01/19 04.45

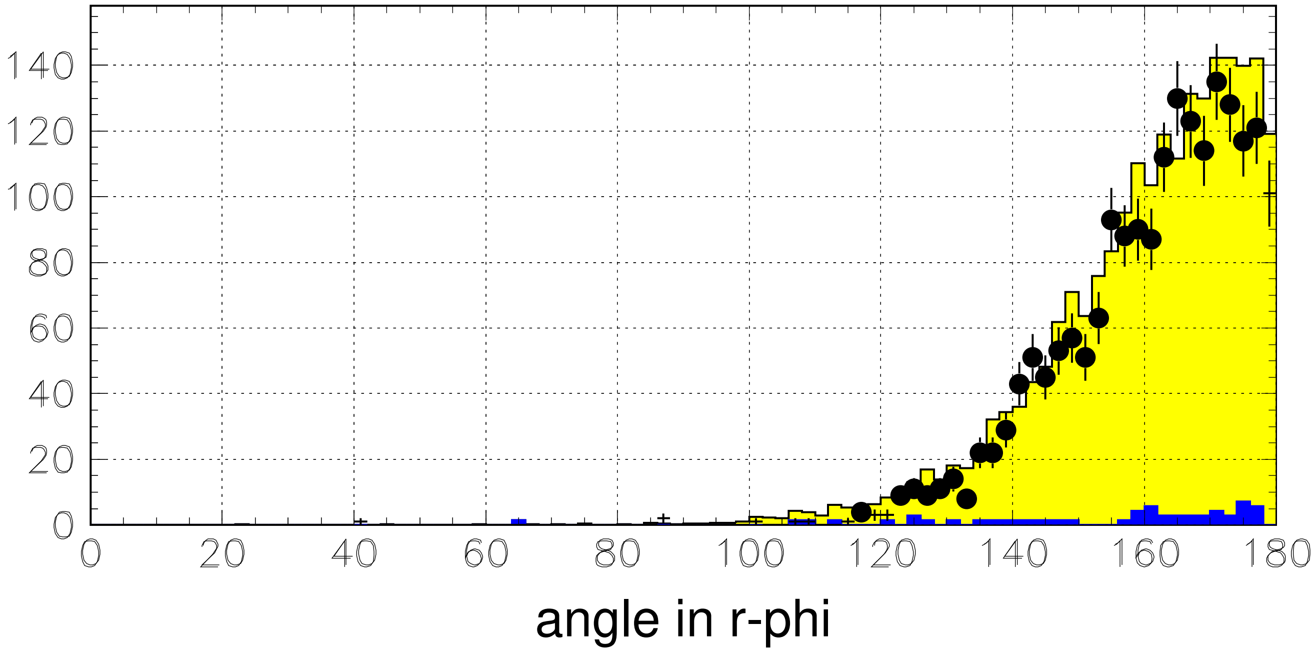

0
10
20
30
40
50
60
70
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
cos(theta) of mu+ for emu r lowP


0
10
20
30
40
50
60
70
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
cos(theta) of mu- for emu r lowP

z0/01/19 04.46

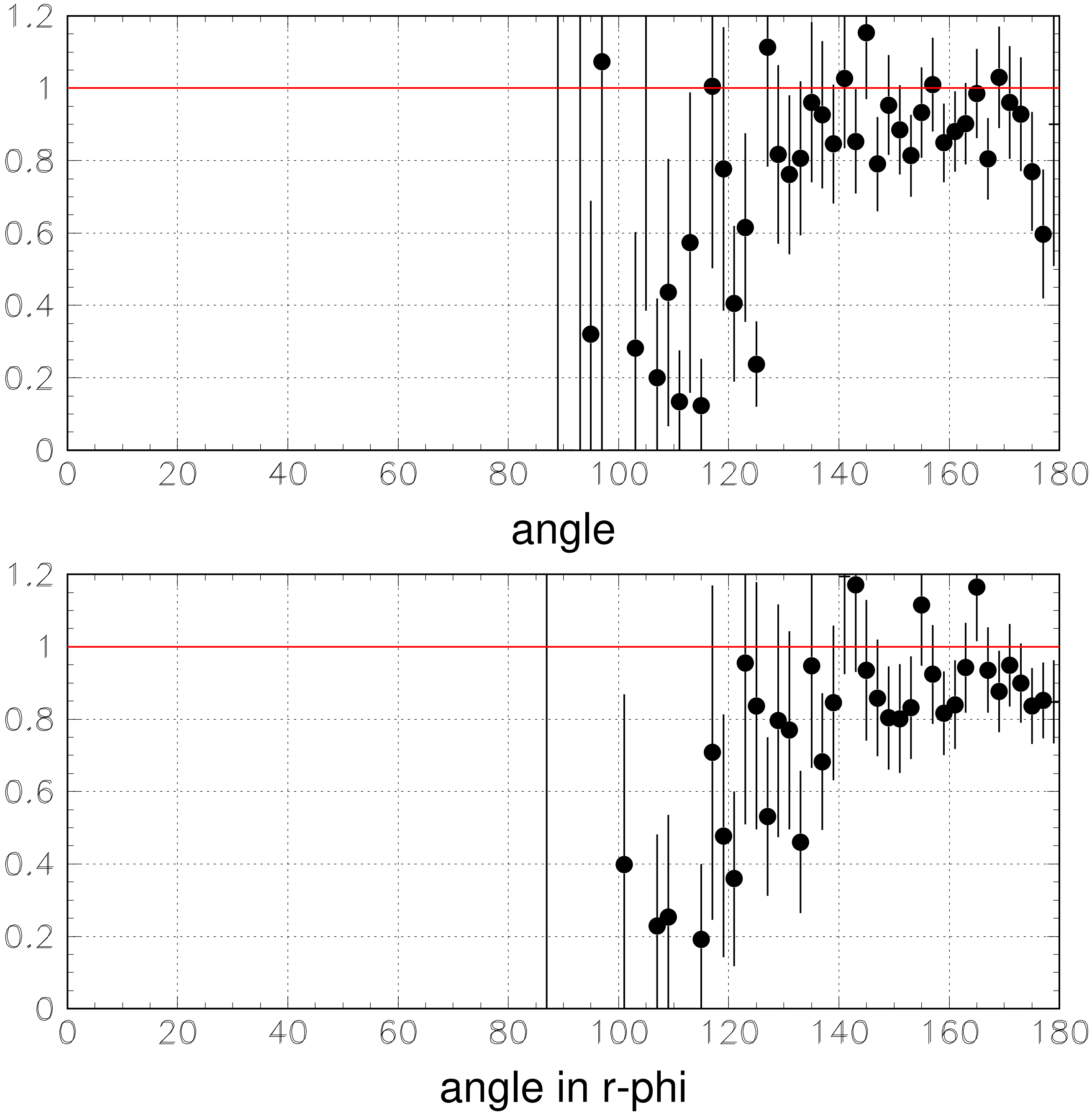


140
120
100
80
60
40
20
0
0
20
40
60
80
100
120
140
160
180
angle



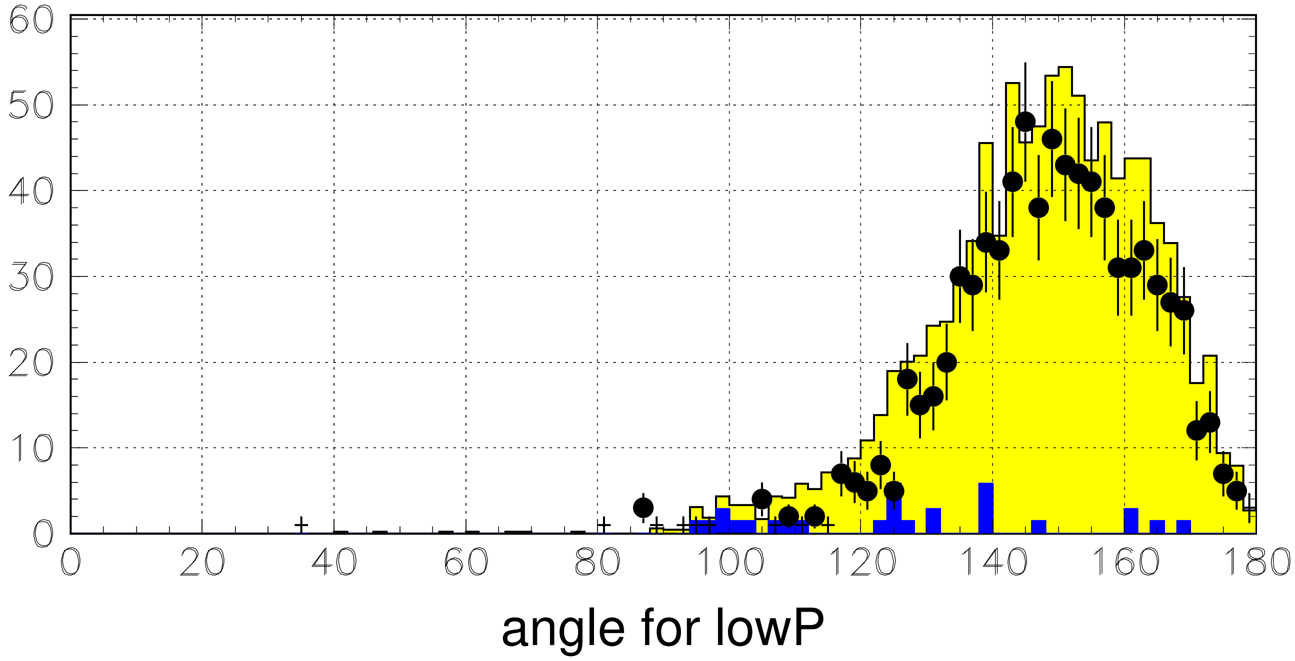
140
120
100
80
60
40
20
0
0
20
40
60
80
100
120
140
160
180
angle in r-phi

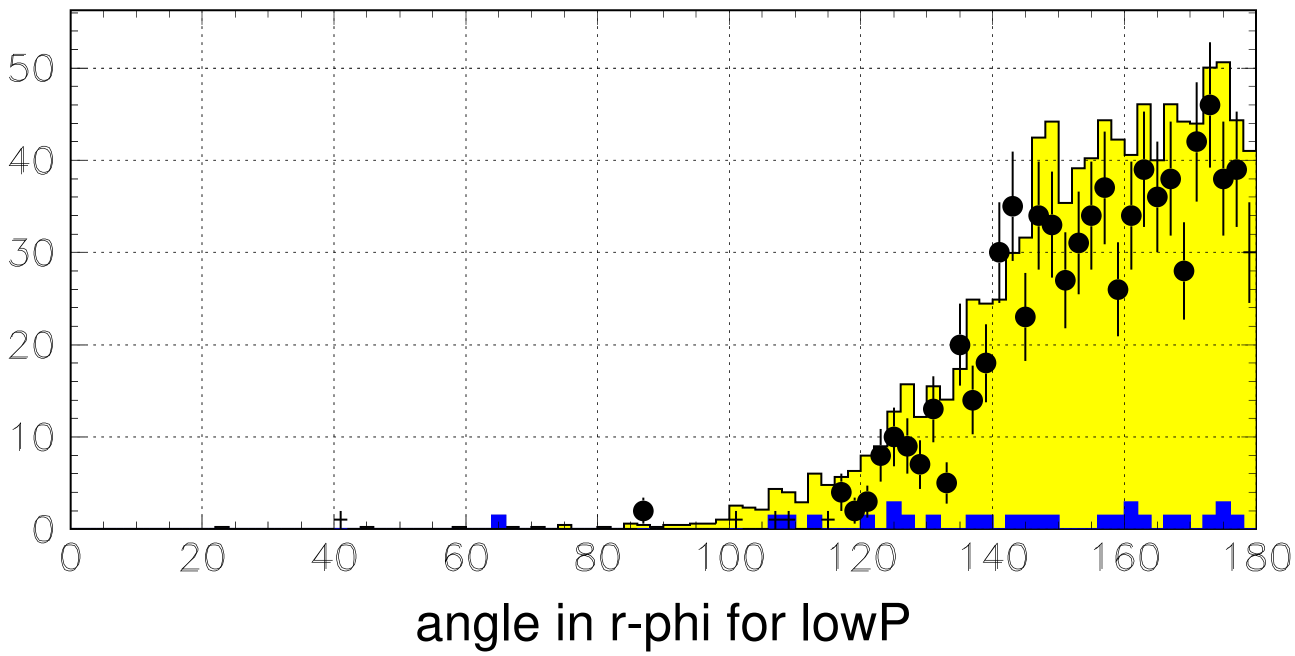
data / MC



1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100
120
140
160
180
angle
angle in r-phi

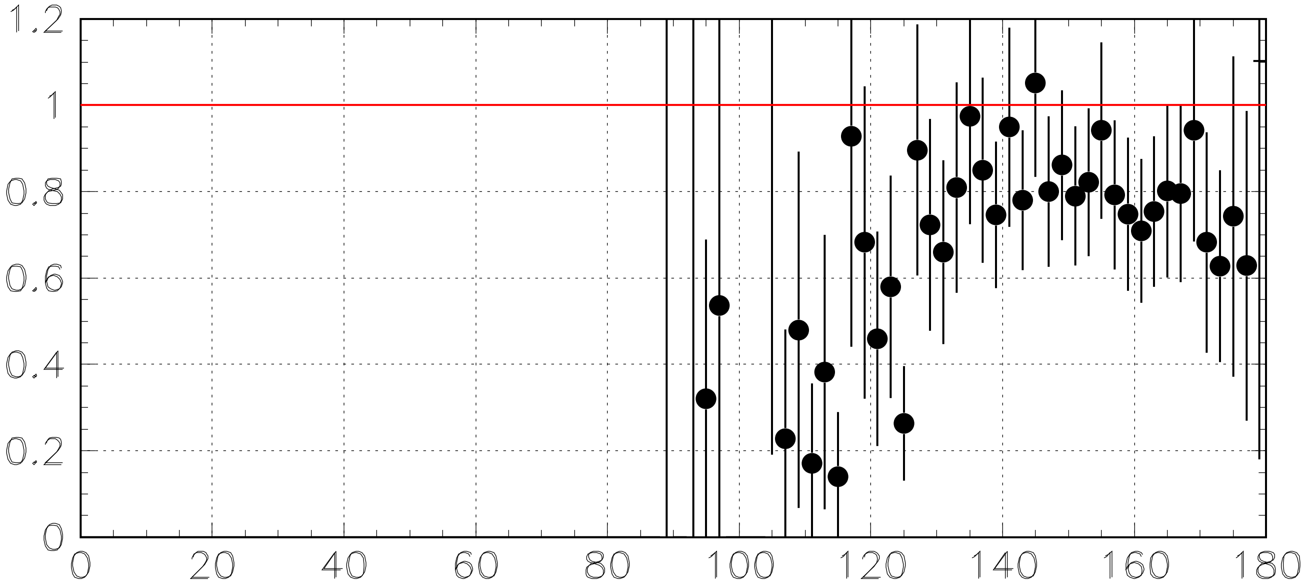
z0/01/19 04.46

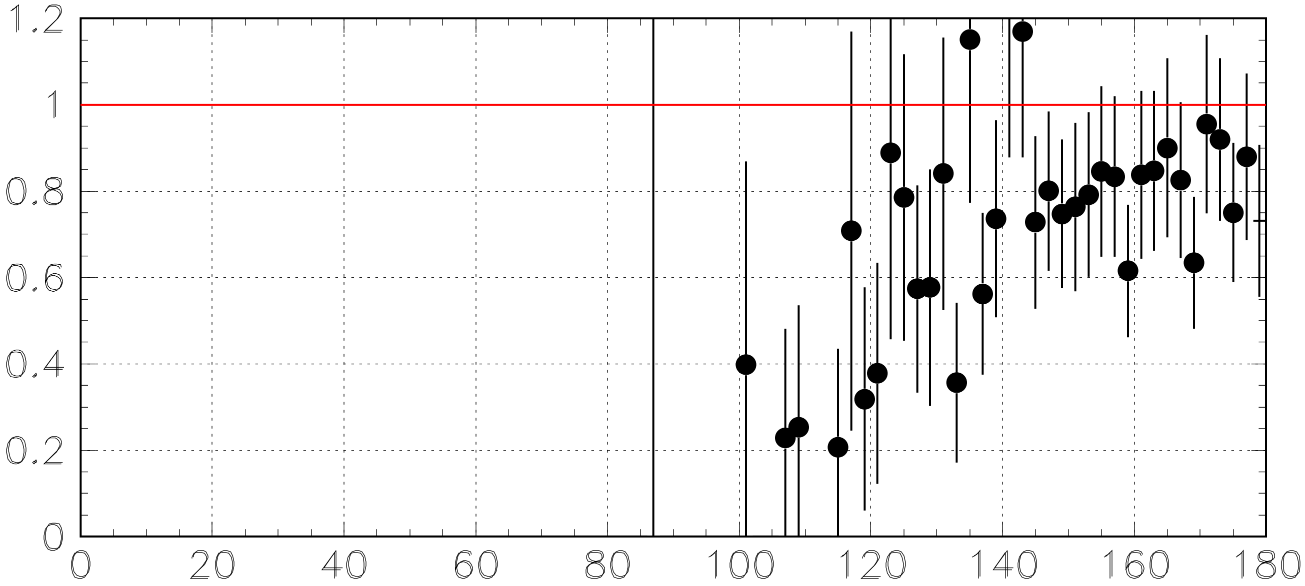




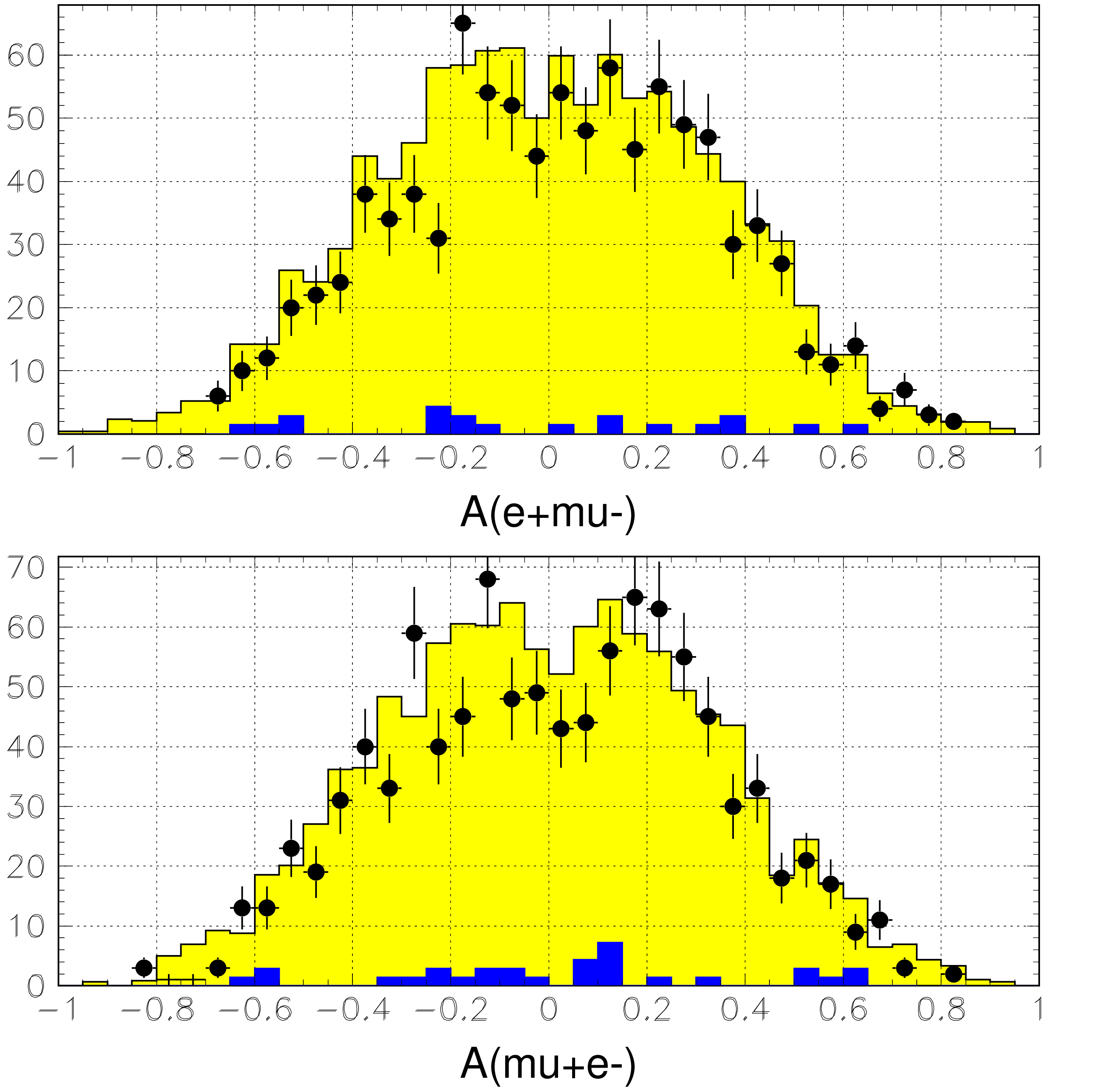
z0/01/19 04.46

data / MC





z0/01/19 04.46



60
50
40
30
20
10
0
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
A(e+mu-)
70
60
50
40
30
20
10
0
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
A(mu+e-)