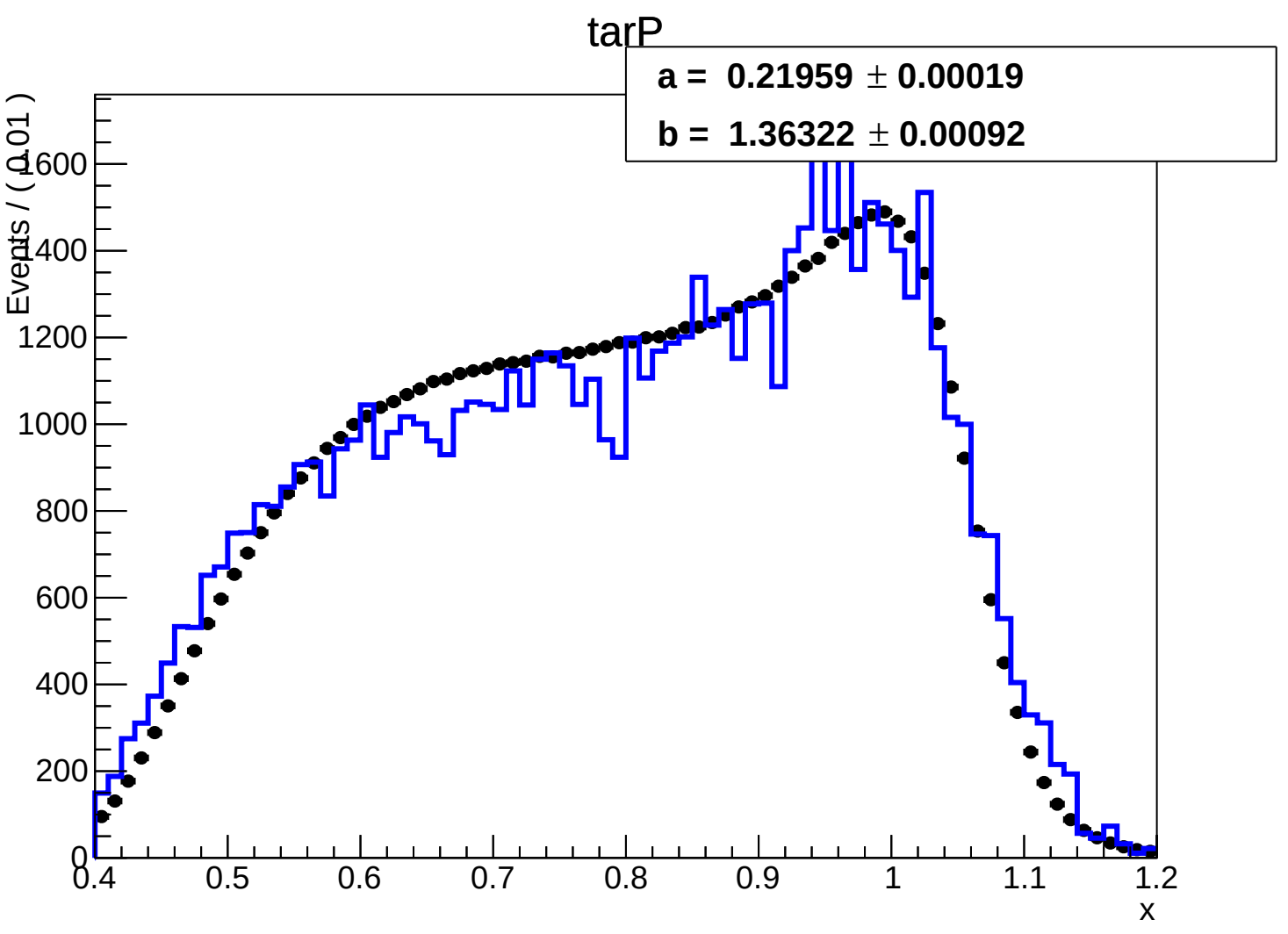
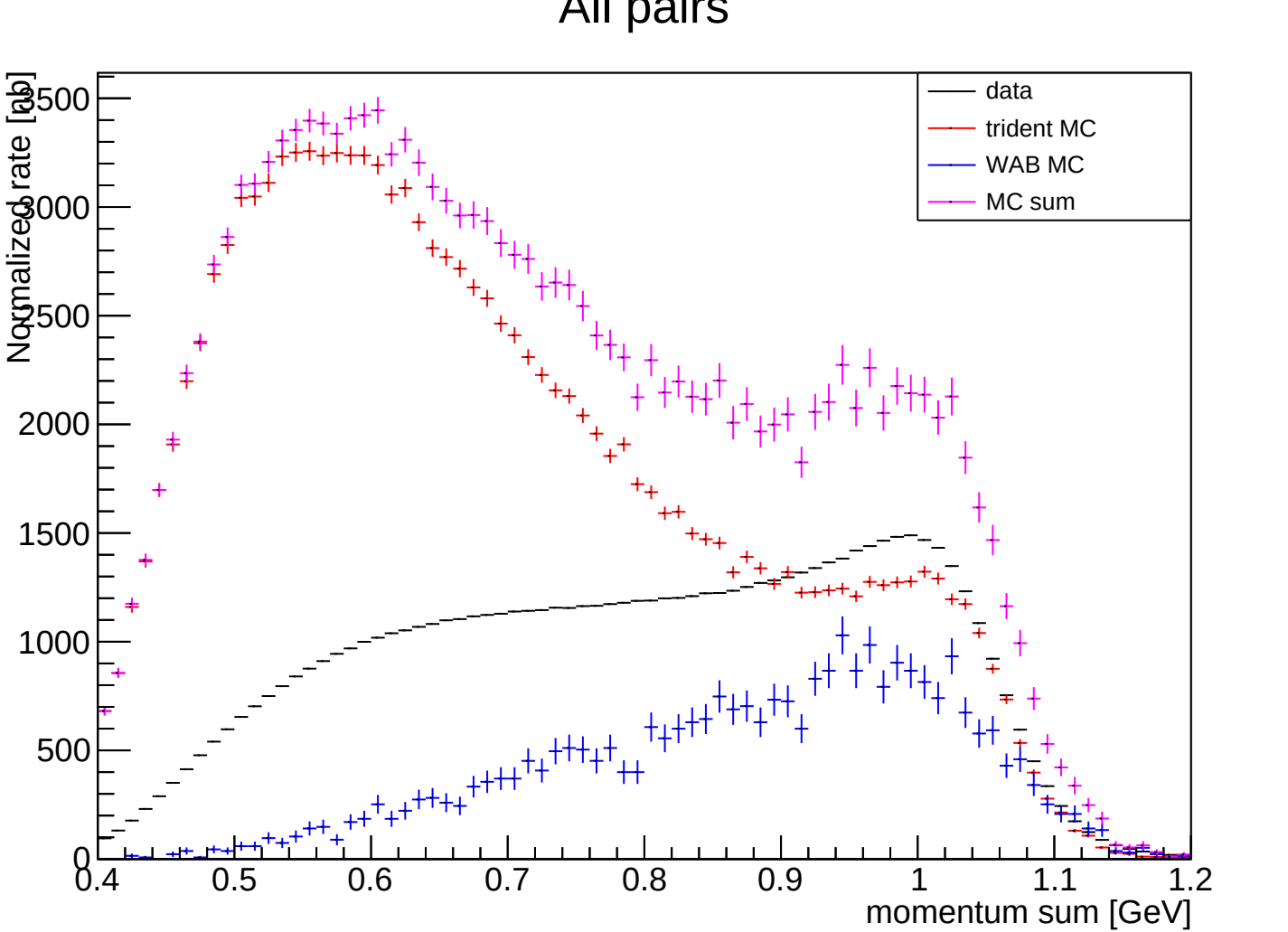
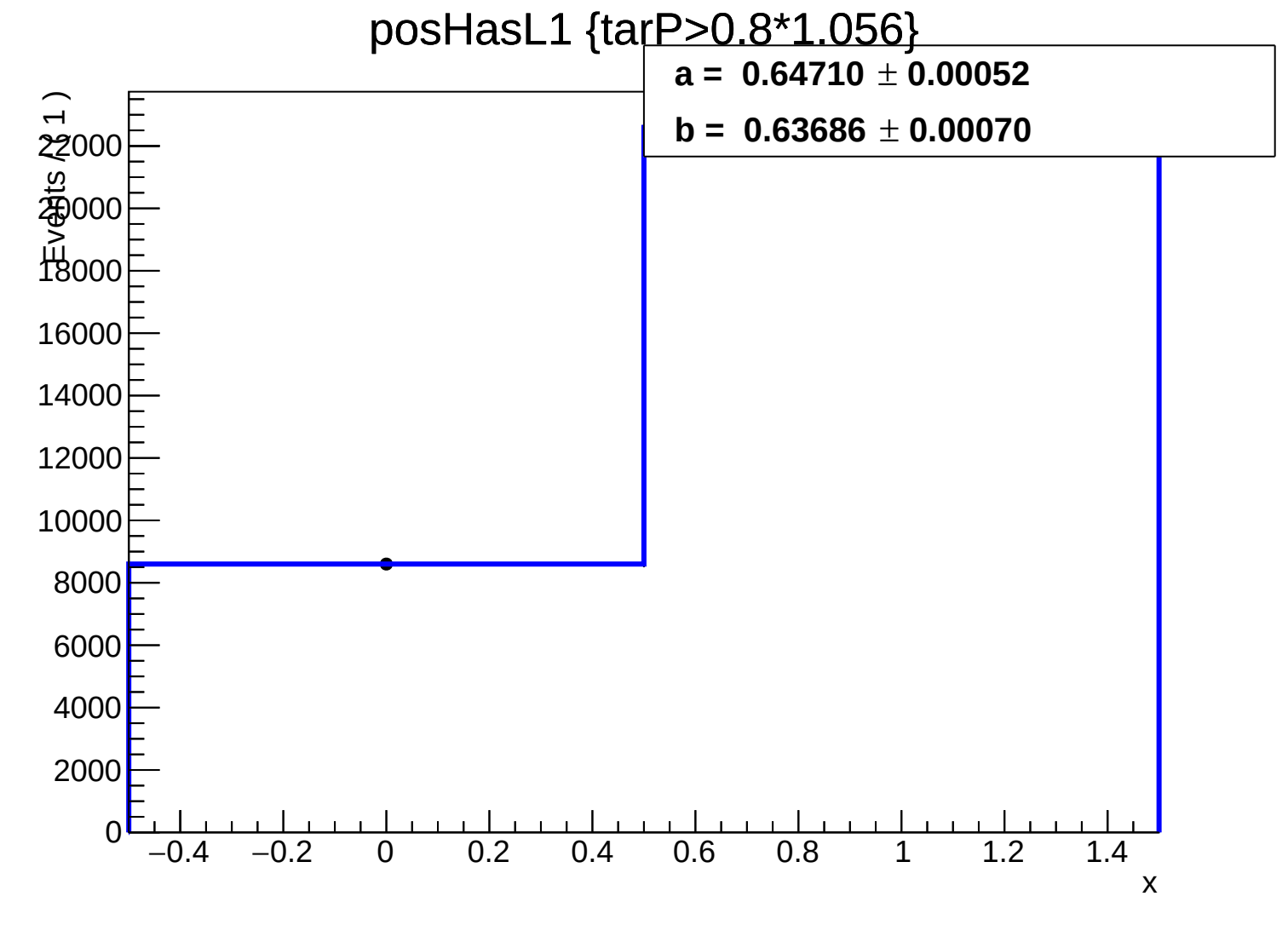
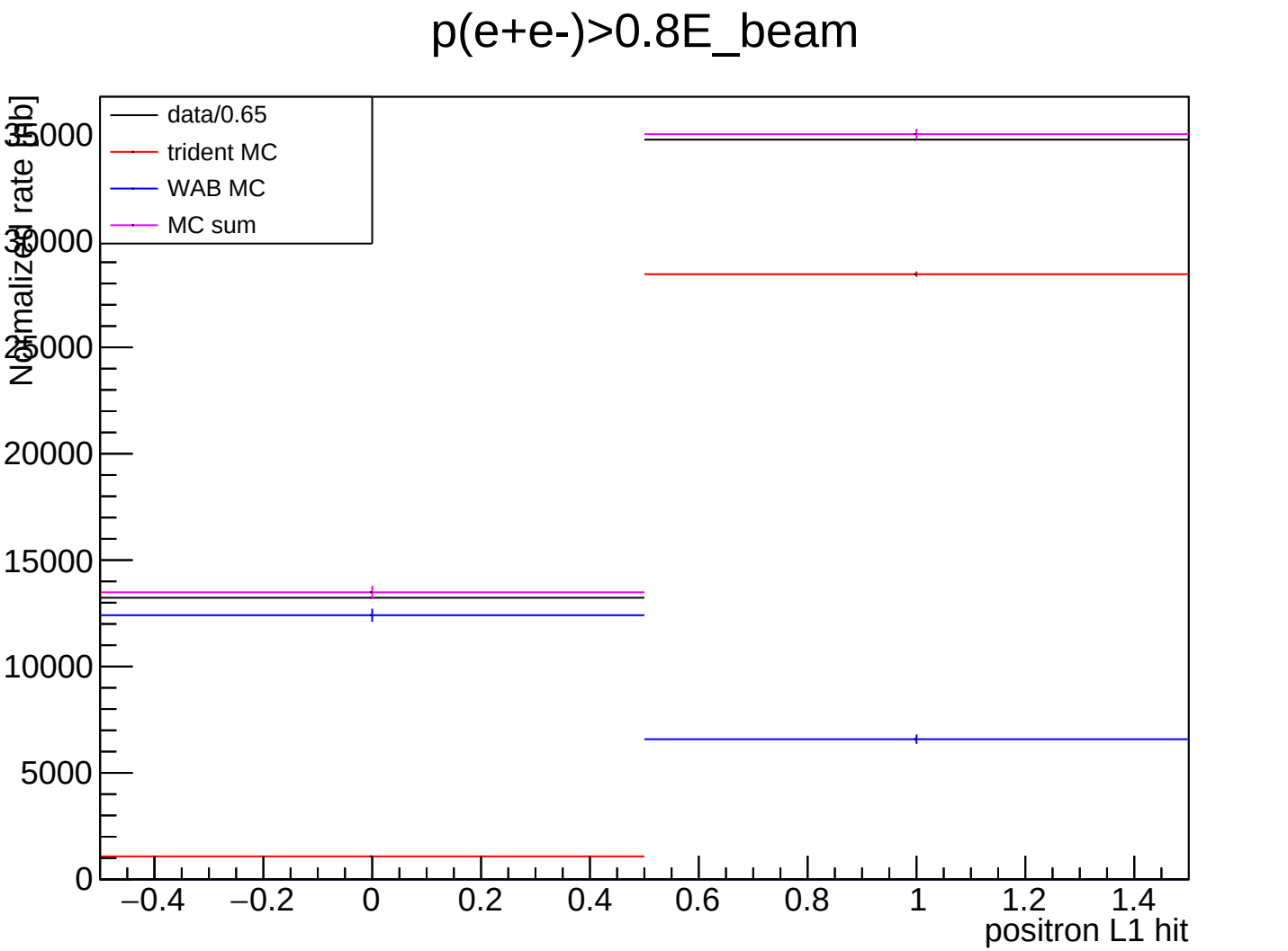
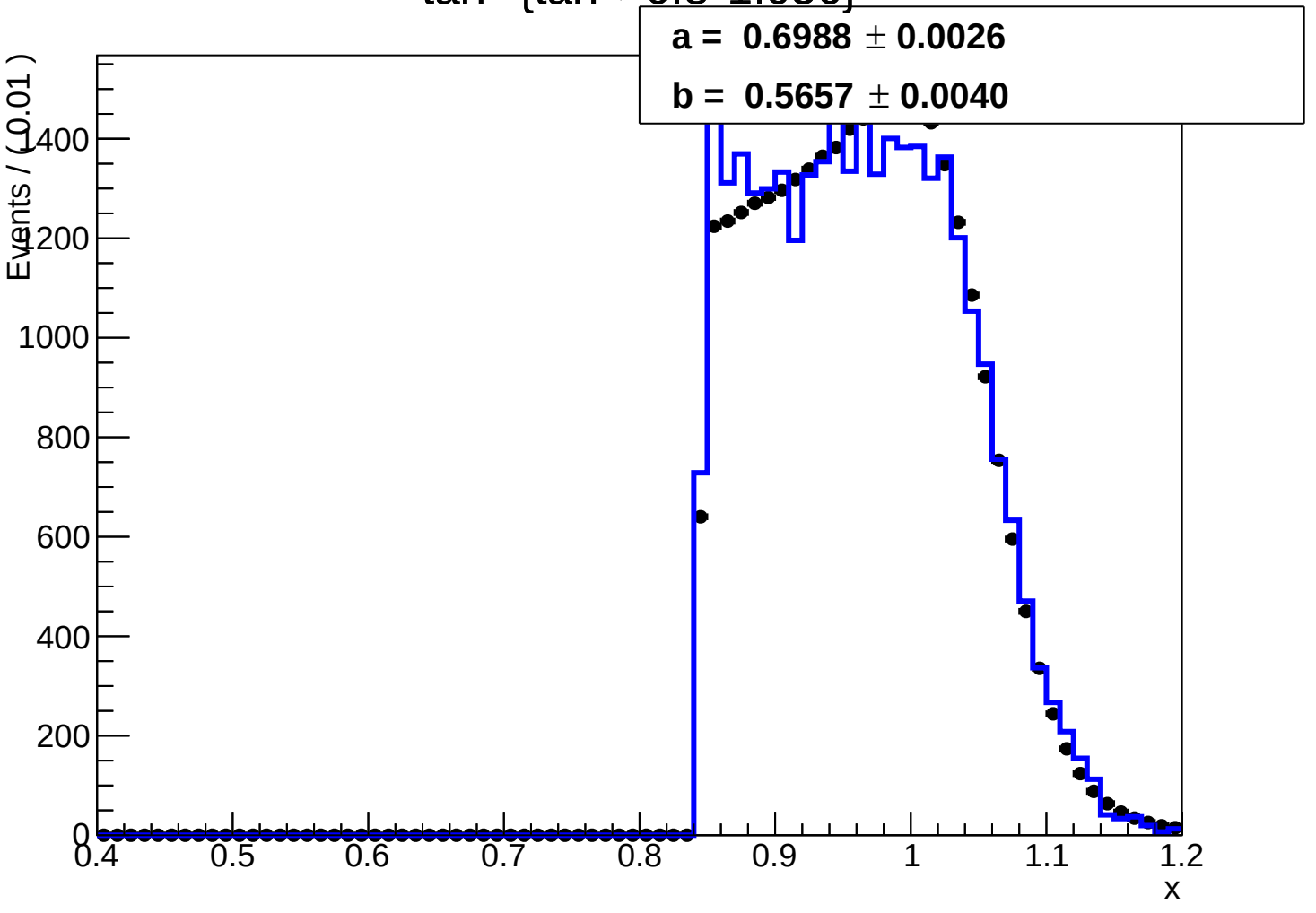
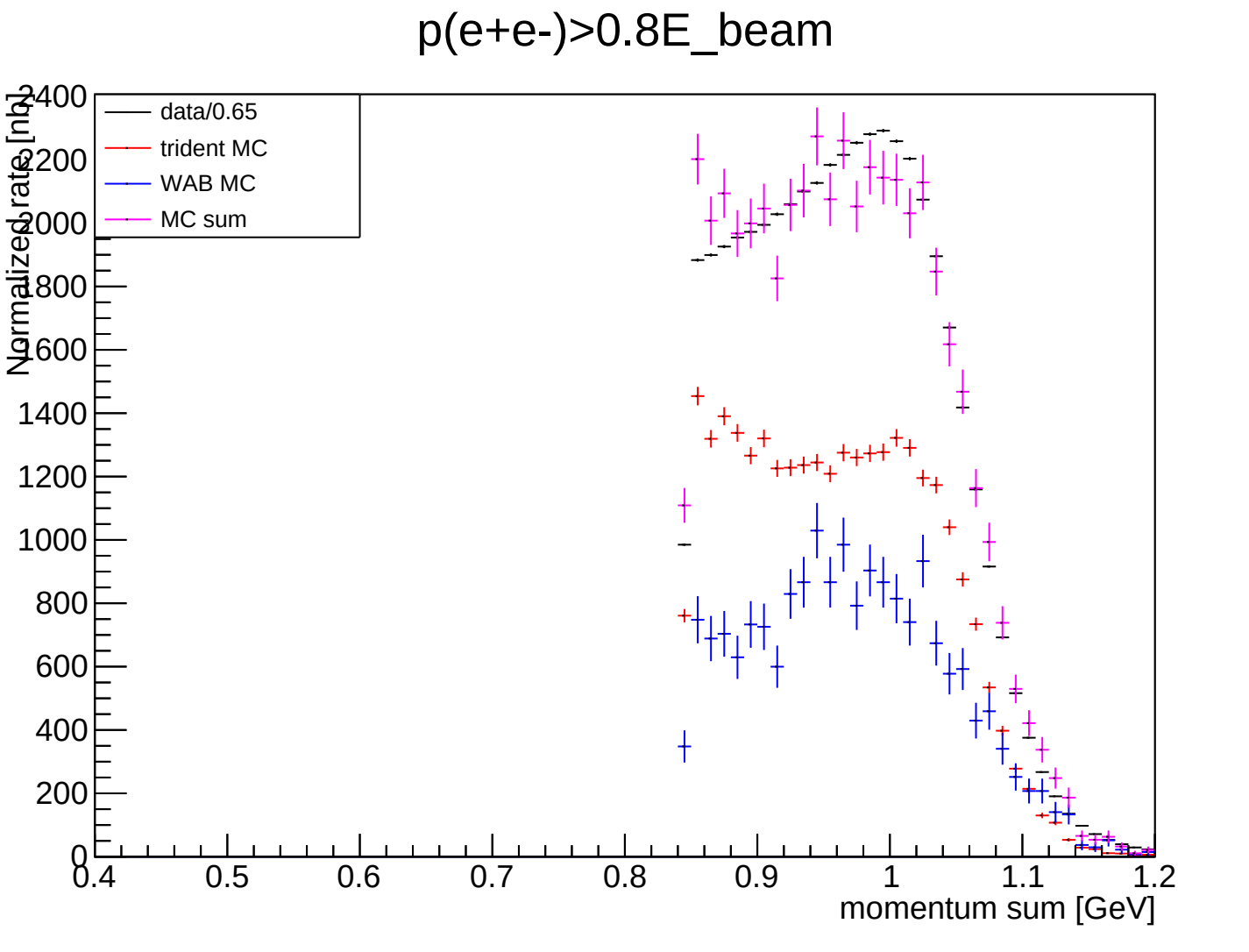

tarP
a = 0.21959 ± 0.00019
b = 1.36322 ± 0.00092
Events / (0.01)
0
200
400
600
800
1000
1200
1400
1600
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
x

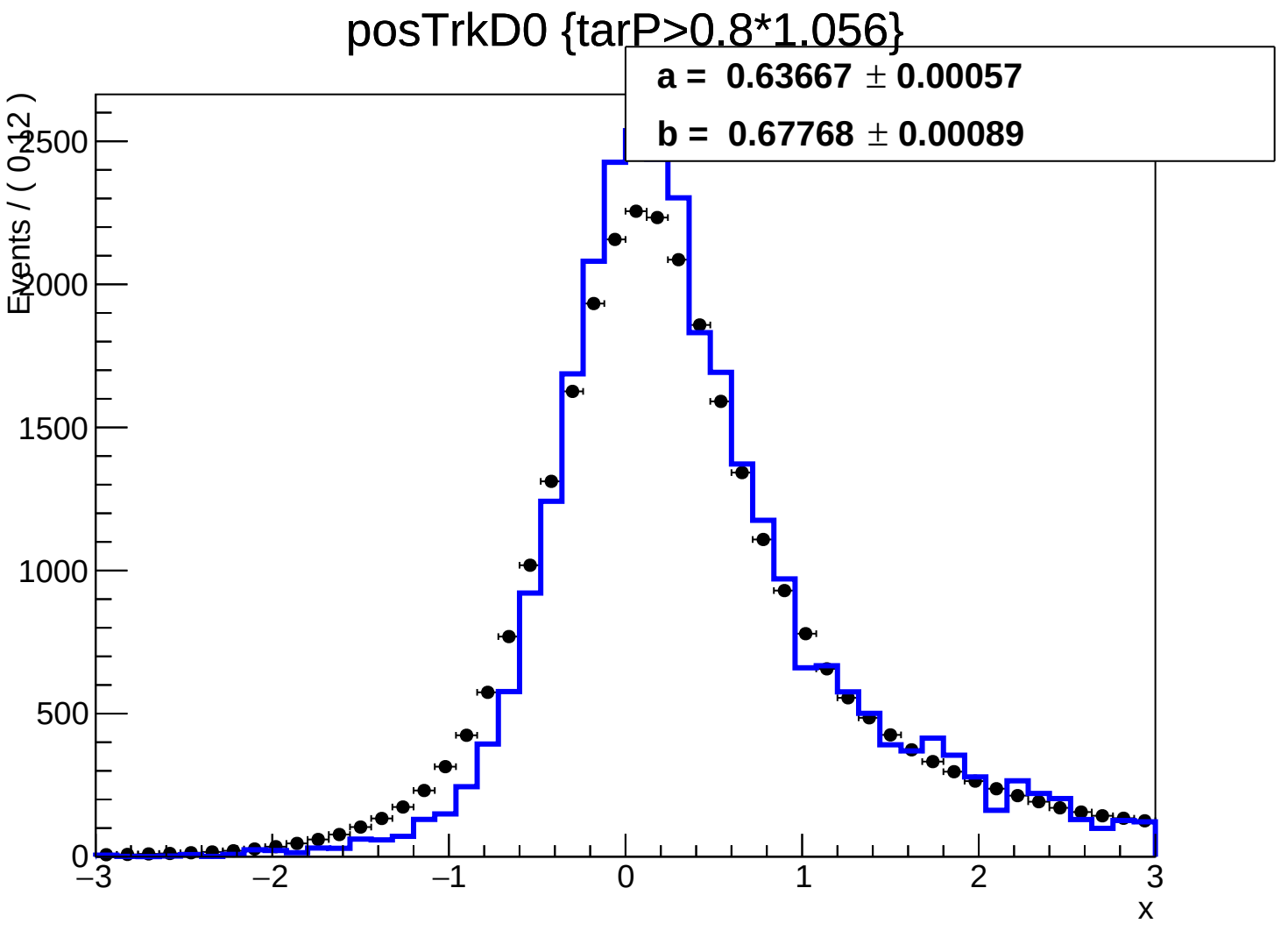

All pairs
data
trident MC
WAB MC
MC sum
Normalized rate [nb]
momentum sum [GeV]
0
500
1000
1500
2000
2500
3000
3500
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2

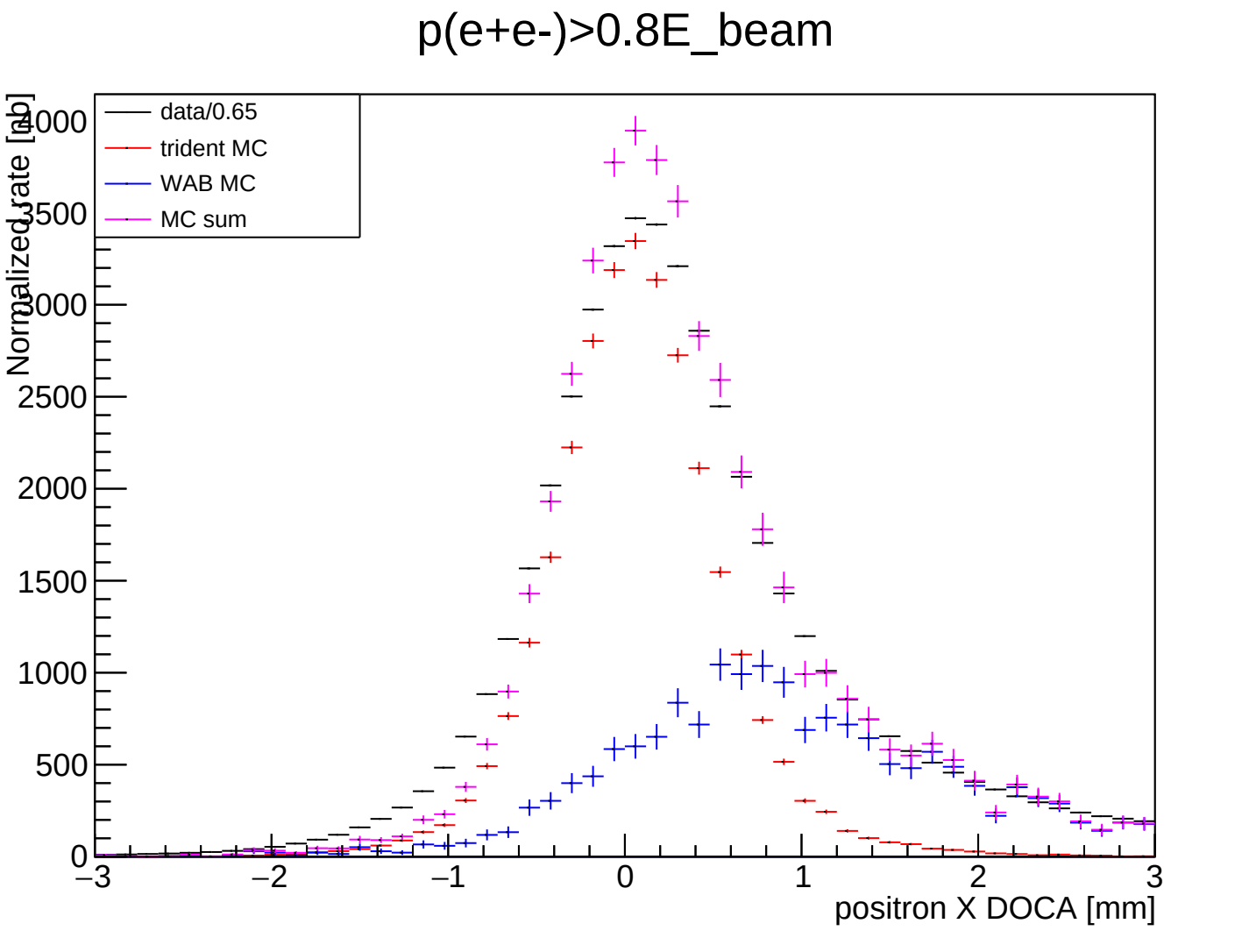

posHasL1 {tarP>0.8*1.056}
a = 0.64710 ± 0.00052
b = 0.63686 ± 0.00070
Events / (0.1)
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
x

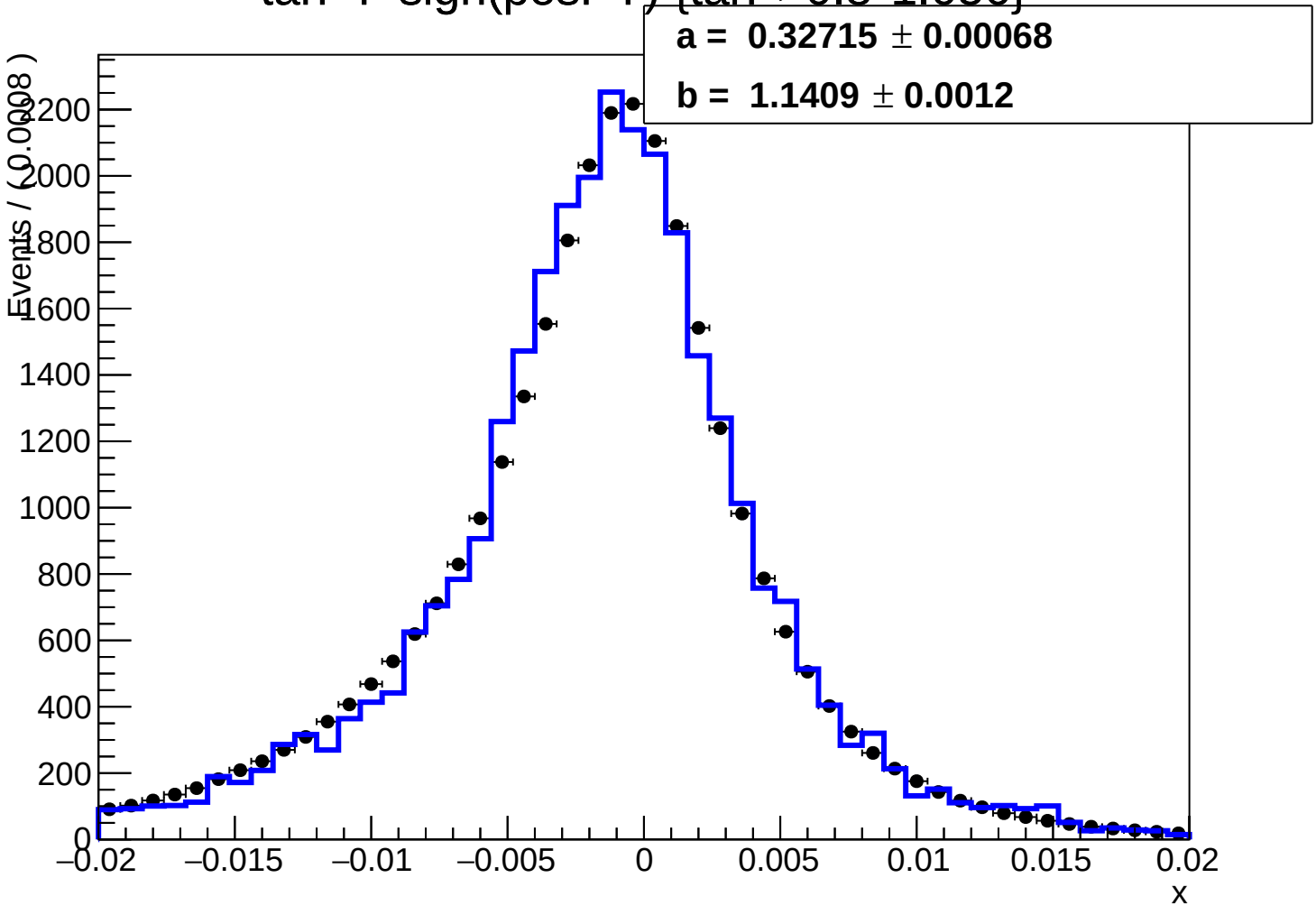

p(e+e-)>0.8E_beam
data/0.65
trident MC
WAB MC
MC sum
Normalized rate [Hz]
0
5000
10000
15000
20000
25000
30000
35000
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
positron L1 hit

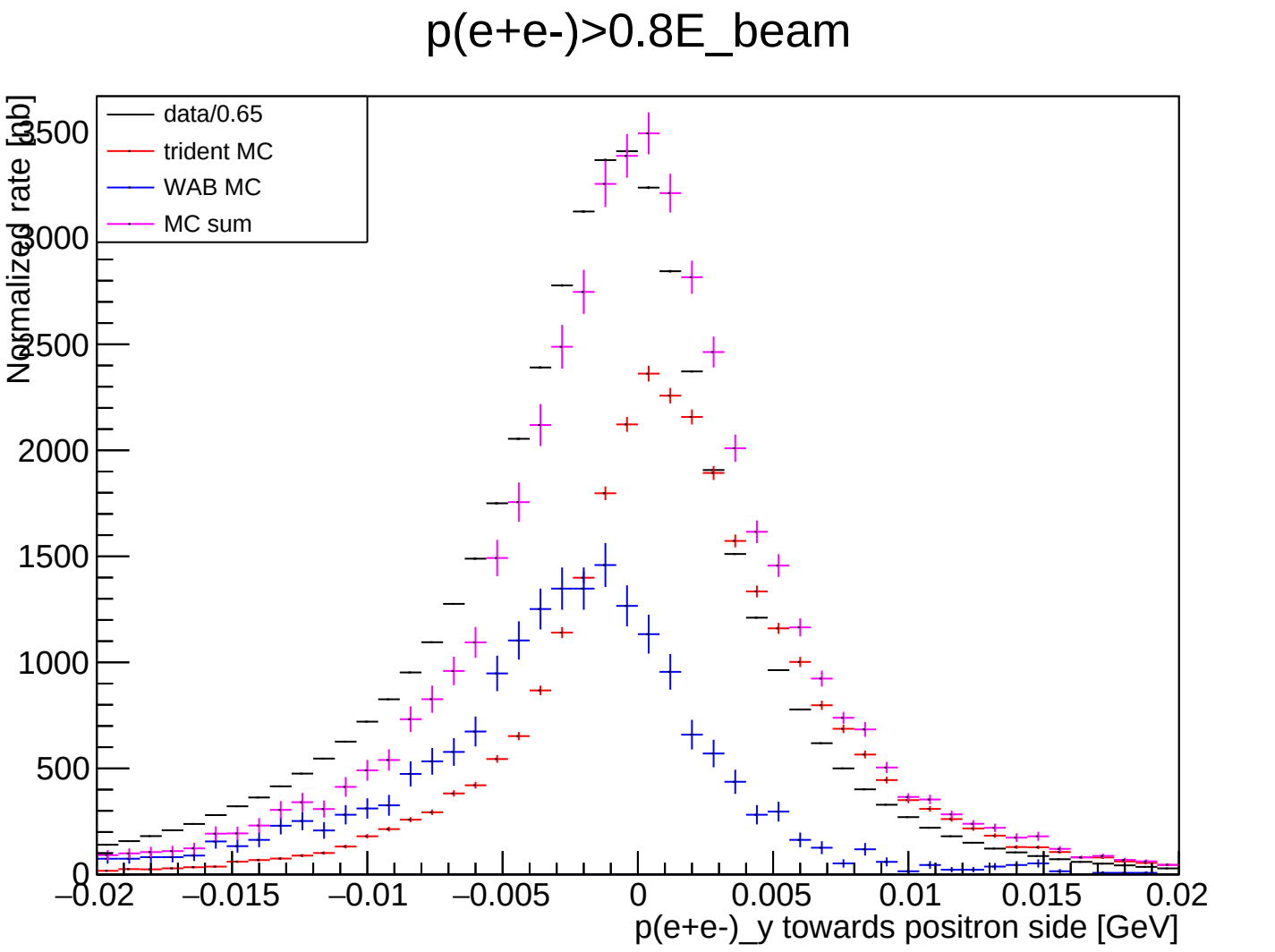

tarP {tarP>0.8*1.056}
a = 0.6988 ± 0.0026
b = 0.5657 ± 0.0040
Events / (0.01)
0
200
400
600
800
1000
1200
1400
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
x

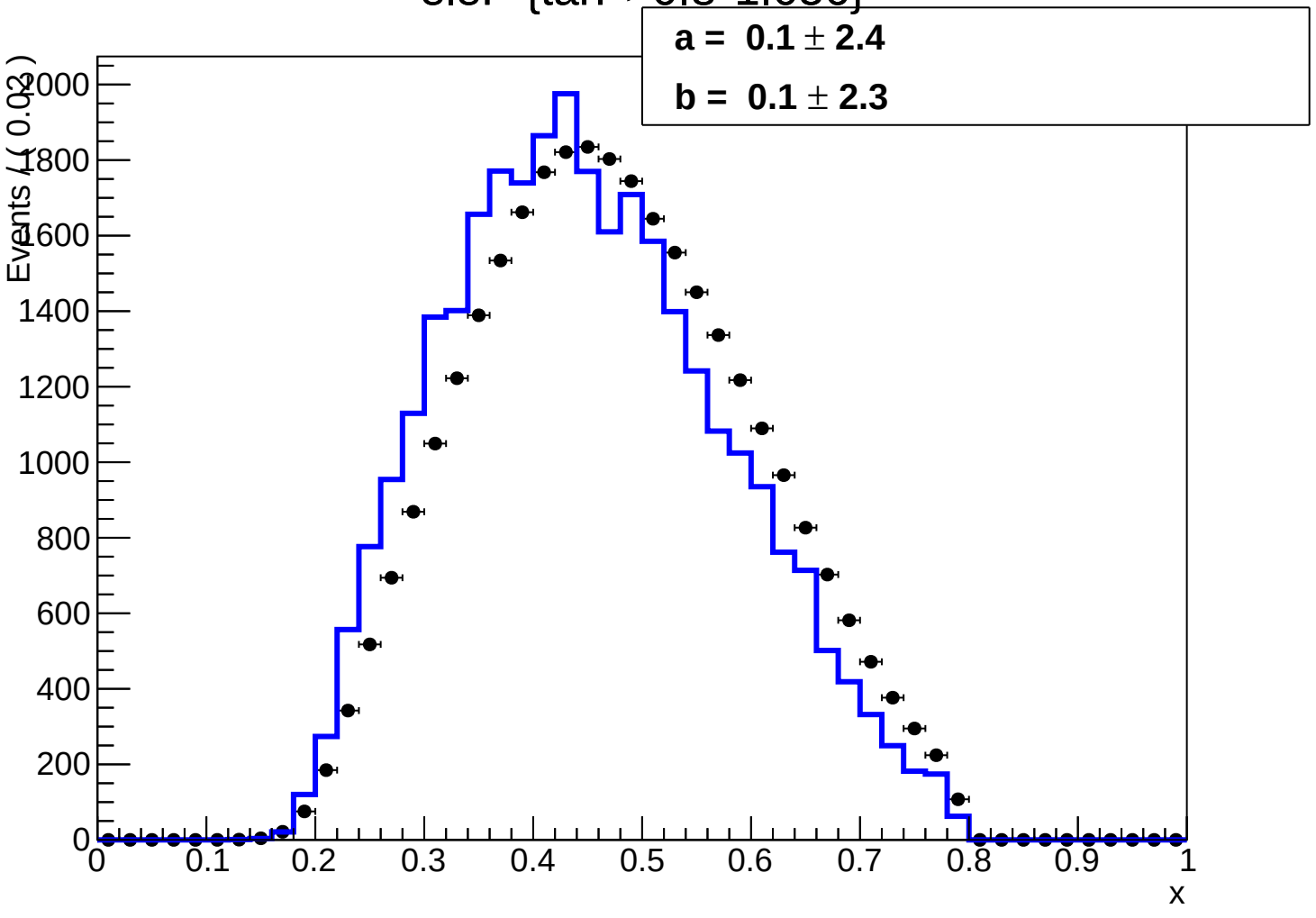

p(e+e-)>0.8E_beam
data/0.65
trident MC
WAB MC
MC sum
Normalized rate [nb]
momentum sum [GeV]
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2

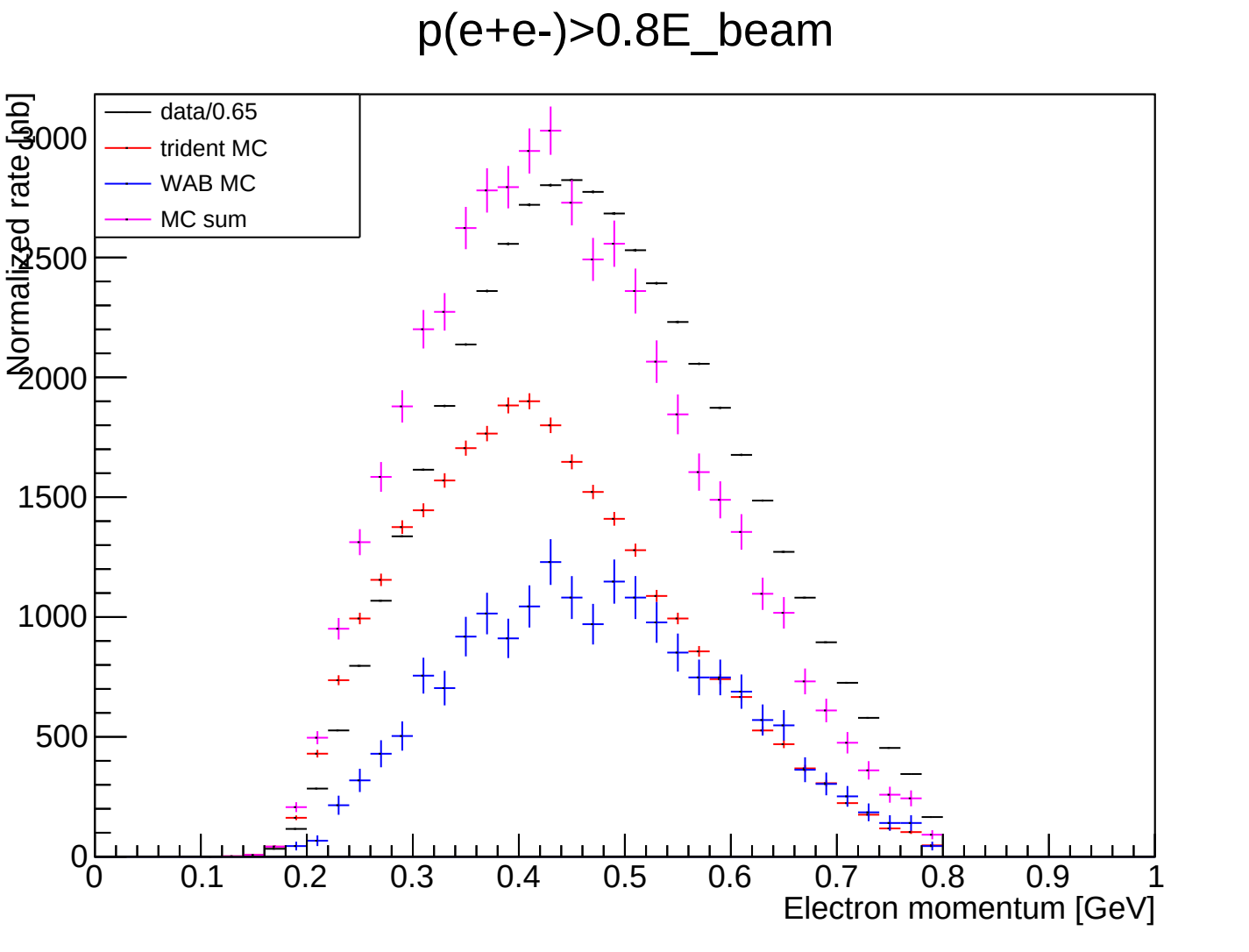

posTrkD0 {tarP>0.8*1.056}
a = 0.63667 ± 0.00057
b = 0.67768 ± 0.00089
Events / (0.12)
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
3
x

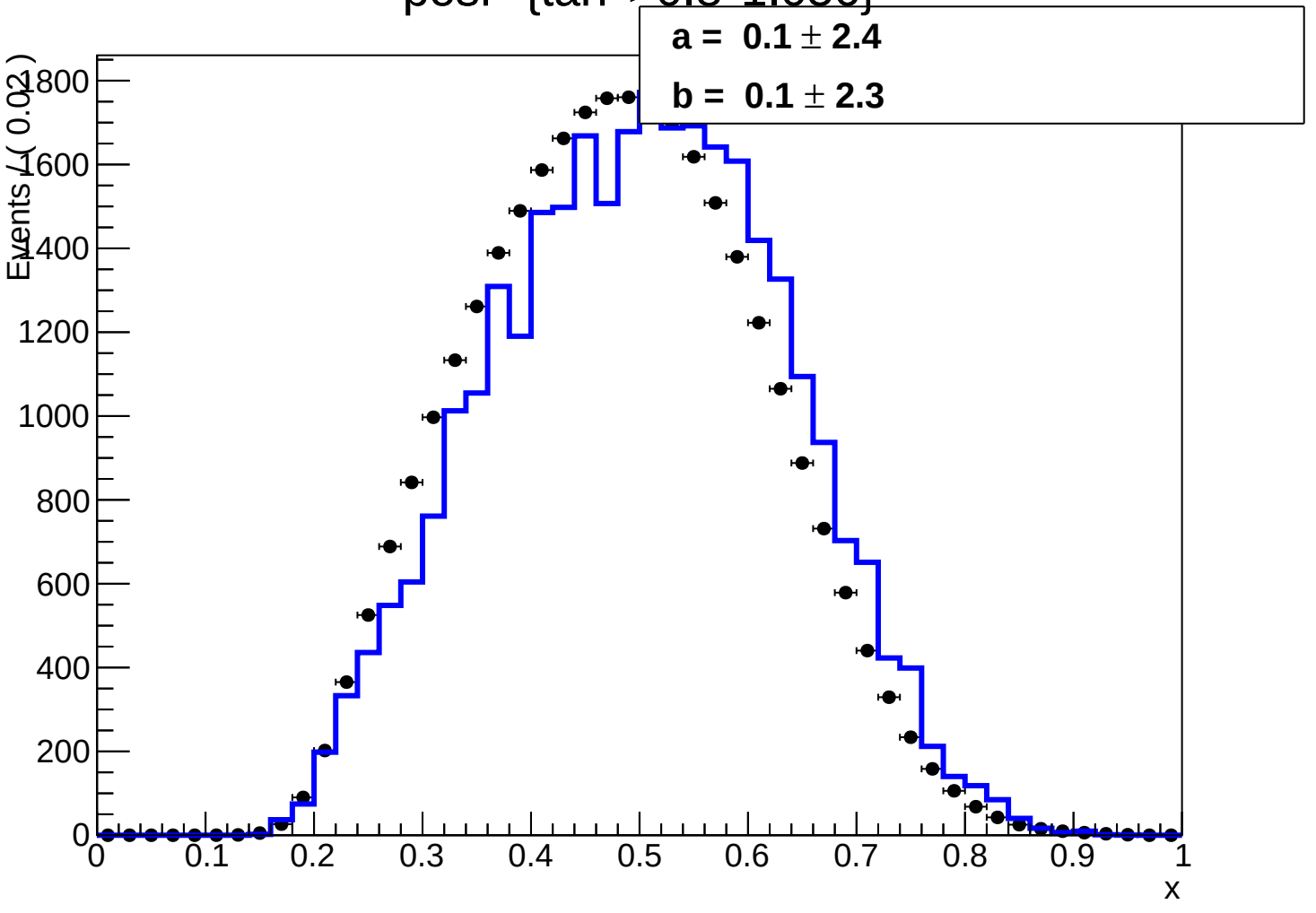

p(e+e-)>0.8E_beam
data/0.65
trident MC
WAB MC
MC sum
Normalized rate [nb]
positron X DOCA [mm]
0
500
1000
1500
2000
2500
3000
3500
4000
−3
−2
−1
0
1
2
3

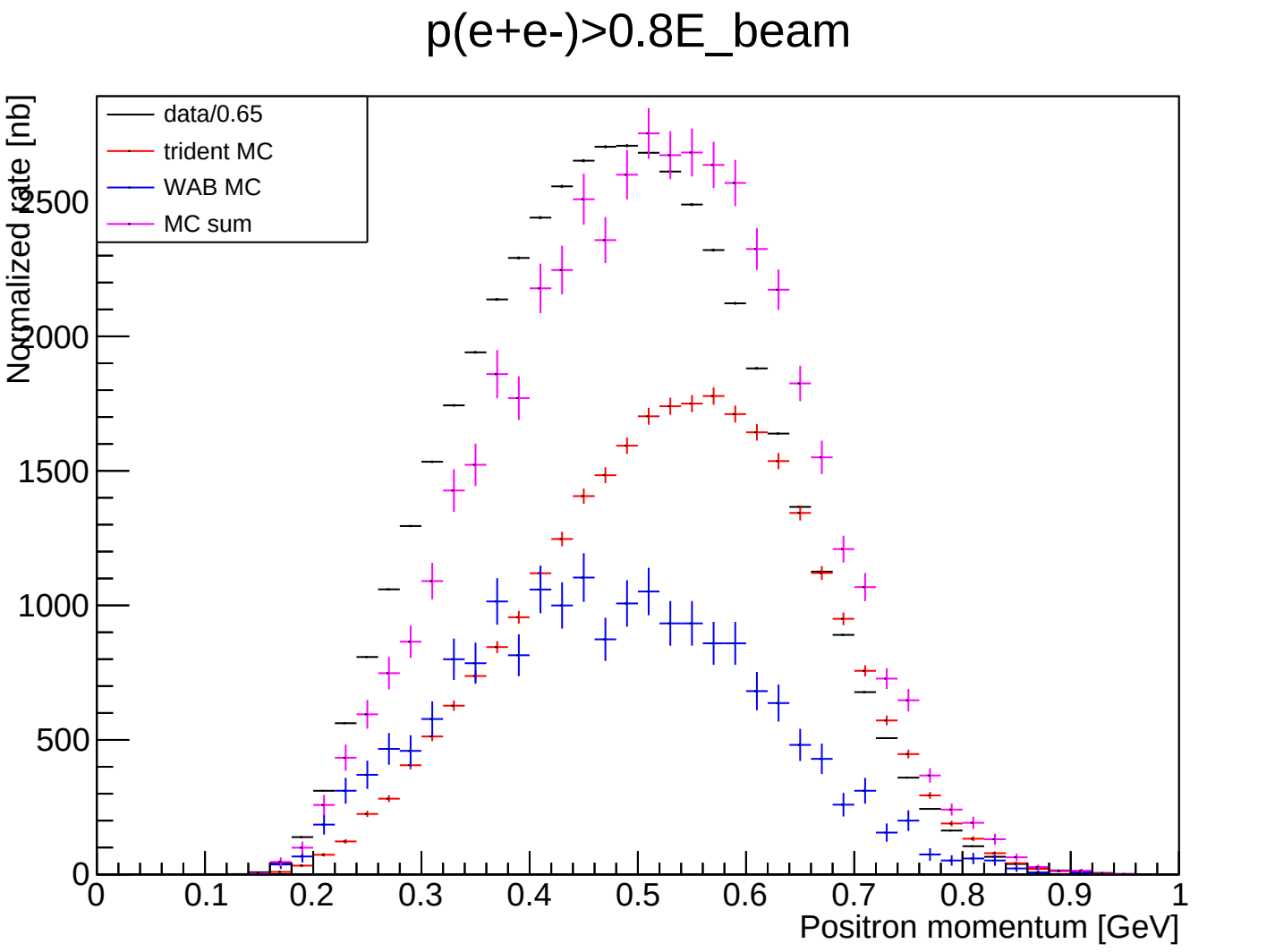

tarPY*sign(posPY) {tarP>0.8*1.056}
a = 0.32715 ± 0.00068
b = 1.1409 ± 0.0012
Events / (0.0008)
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
–0.02
–0.015
–0.01
–0.005
0
0.005
0.01
0.015
0.02
x

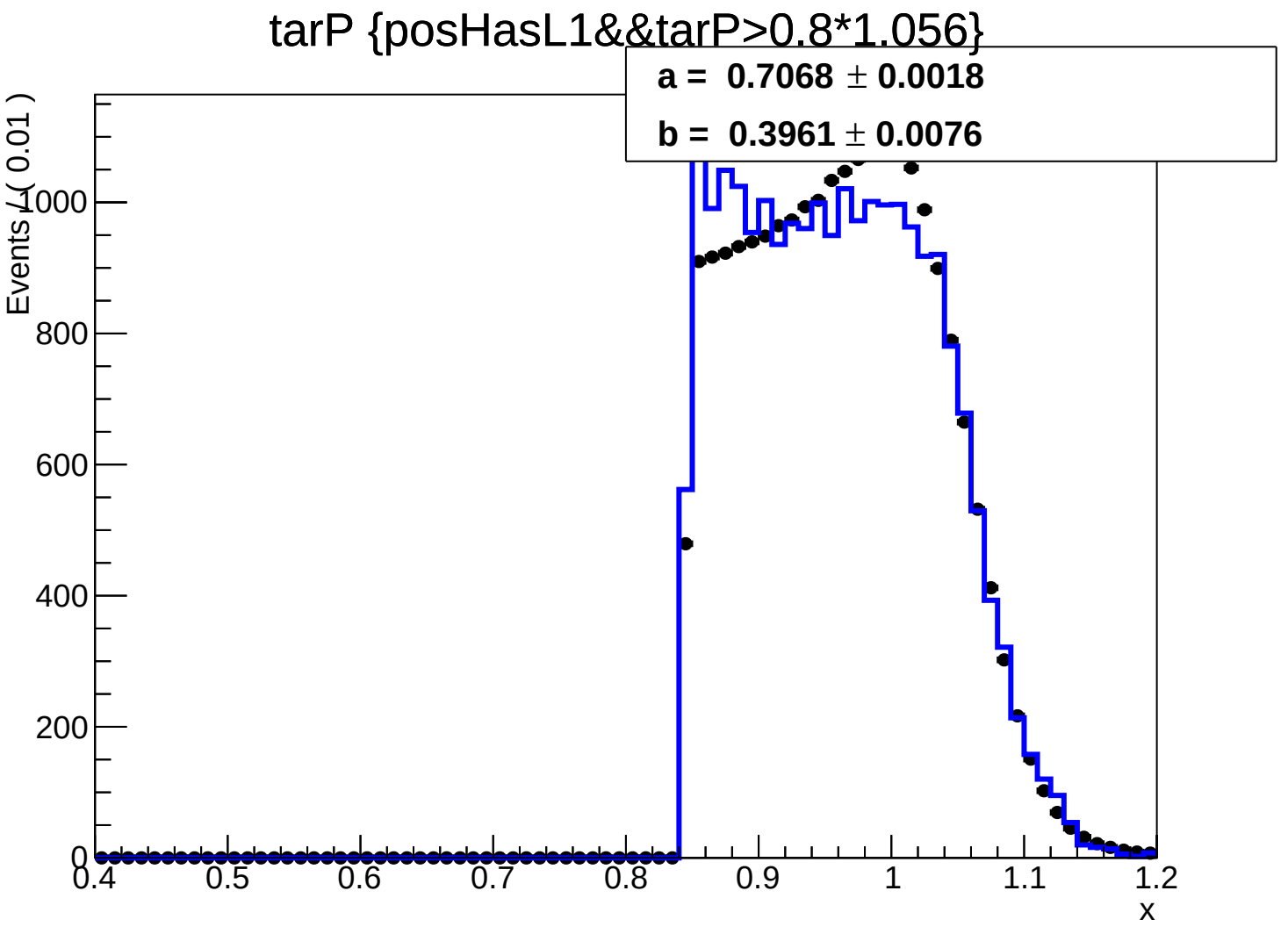

p(e+e-)>0.8E_beam
data/0.65
trident MC
WAB MC
MC sum
Normalized rate [nb]
3500
3000
2500
2000
1500
1000
500
0
–0.02
–0.015
–0.01
–0.005
0
0.005
0.01
0.015
0.02
p(e+e-)_y towards positron side [GeV]

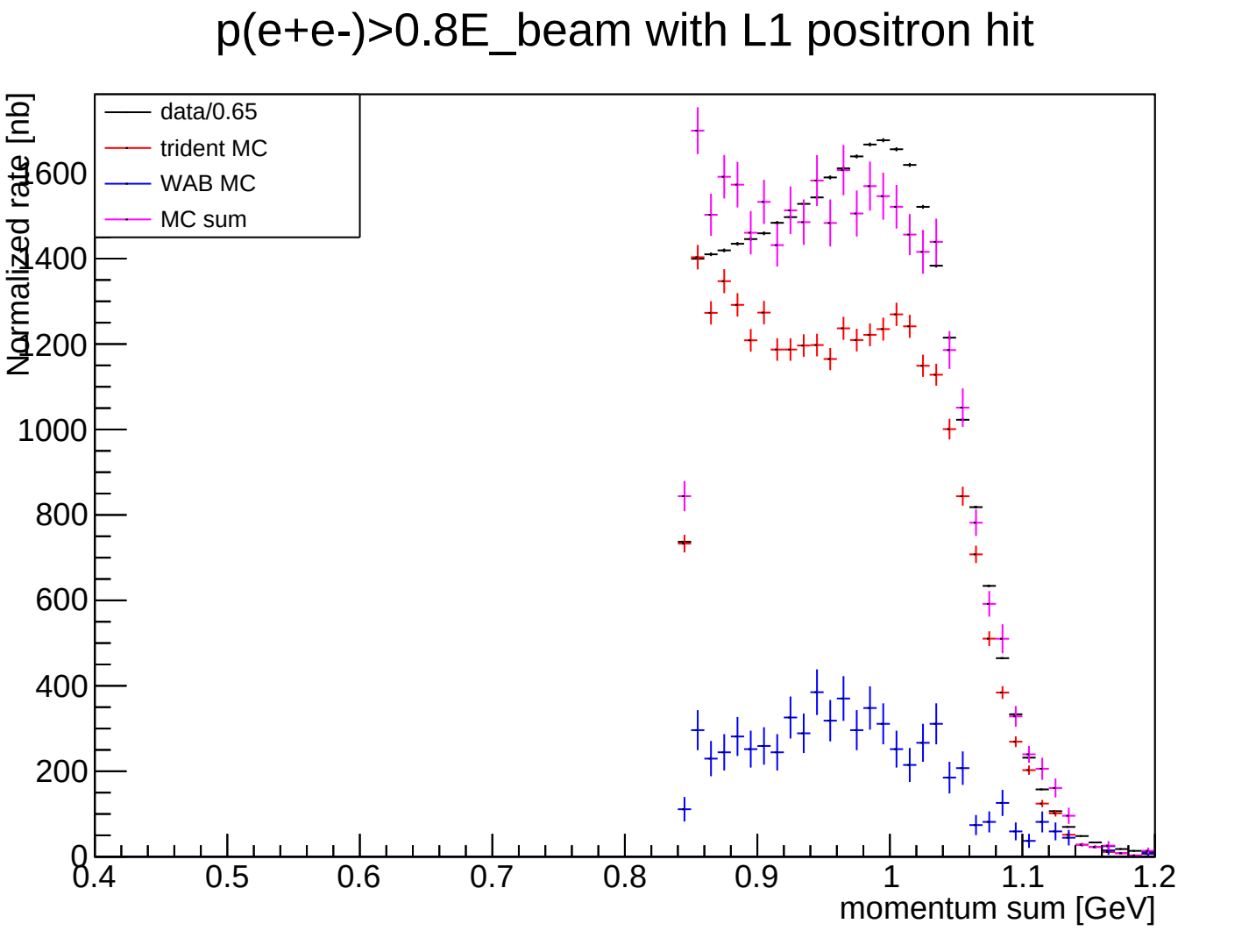

eleP {tarP>0.8*1.056}
a = 0.1 ± 2.4
b = 0.1 ± 2.3
Events / (0.02)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
x

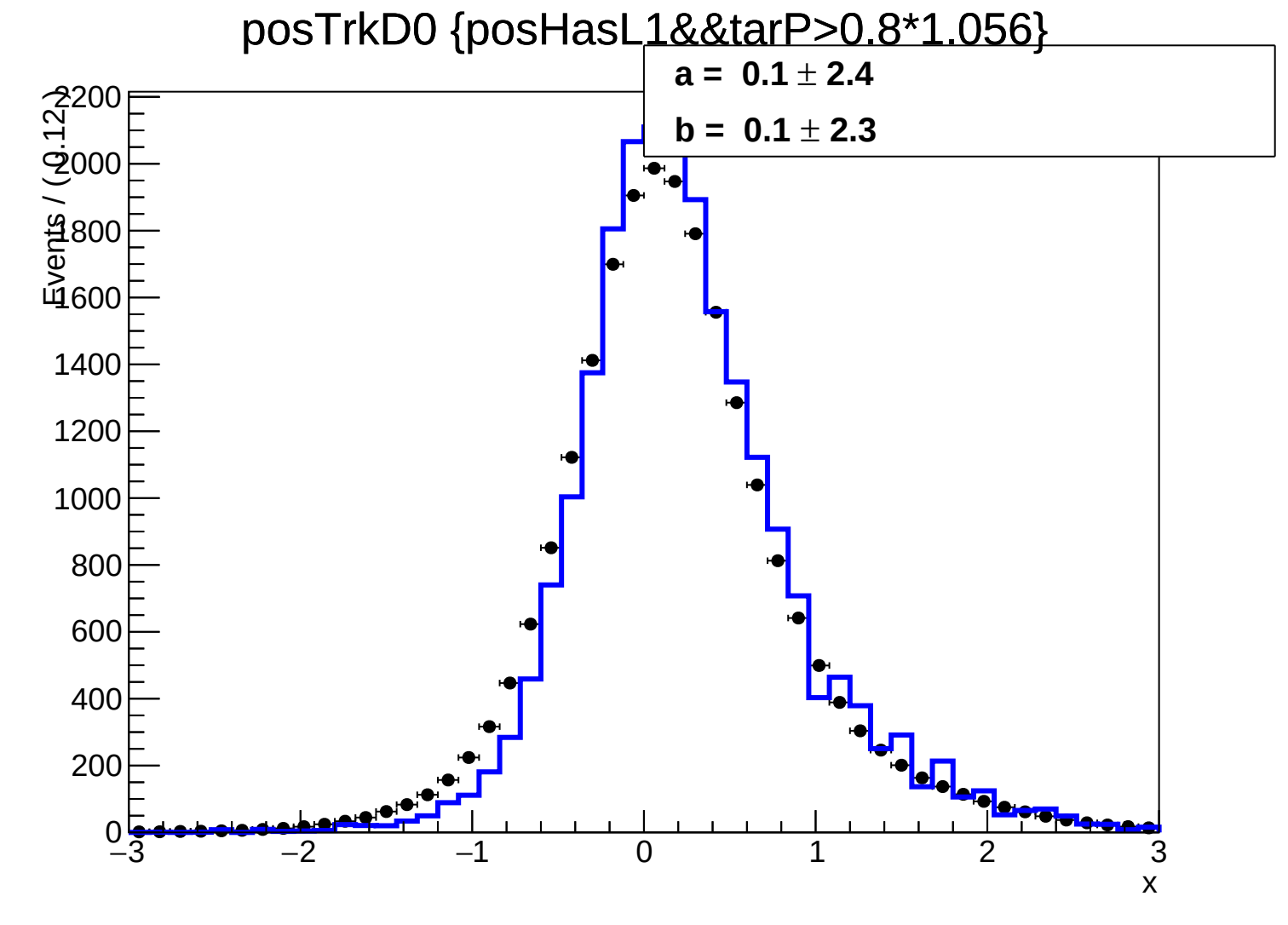

p(e+e-)>0.8E_beam
data/0.65
trident MC
WAB MC
MC sum
Normalized rate [nb]
3000
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Electron momentum [GeV]

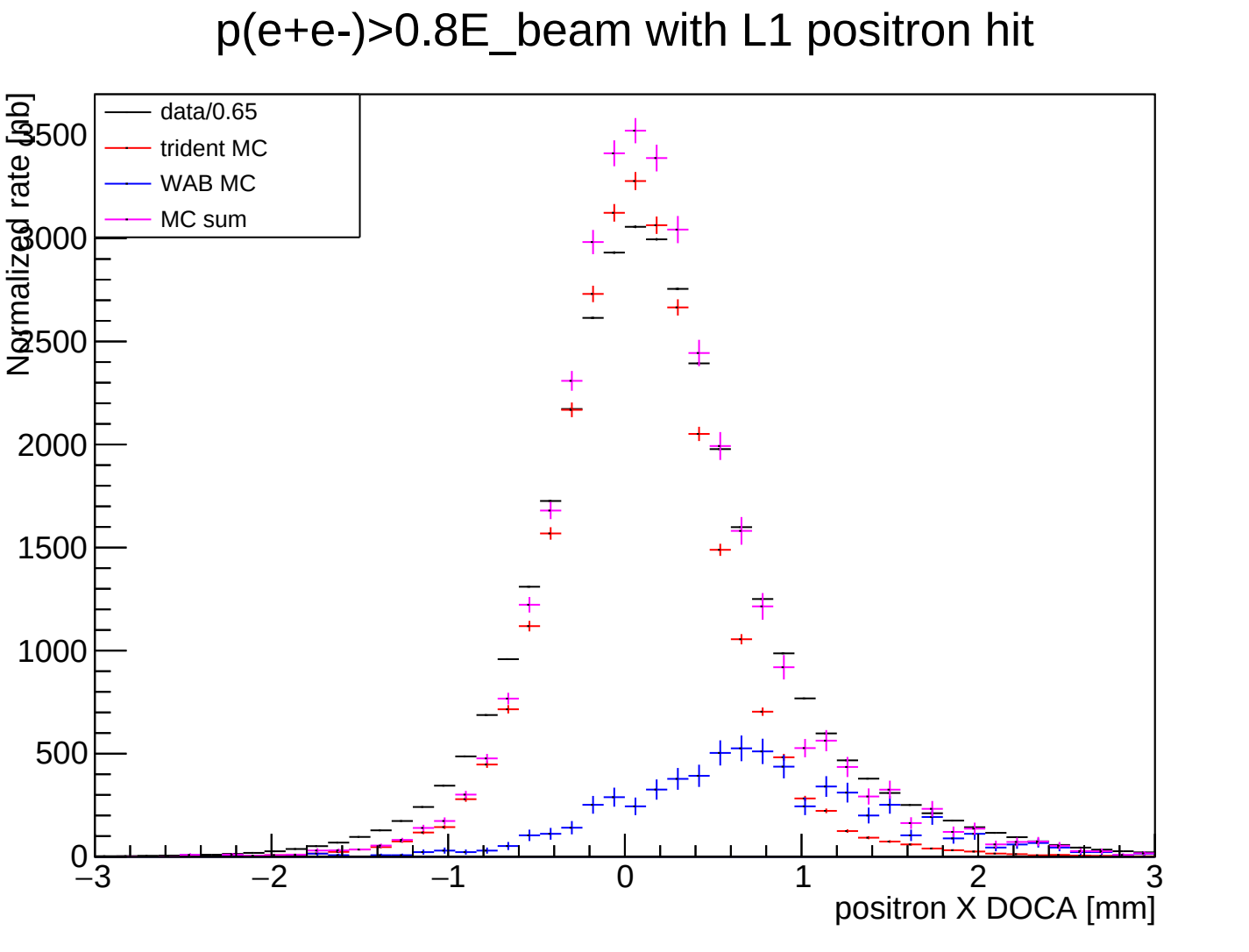

posP {tarP>0.8*1.056}
a = 0.1 ± 2.4
b = 0.1 ± 2.3
Events / (0.02)
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
x

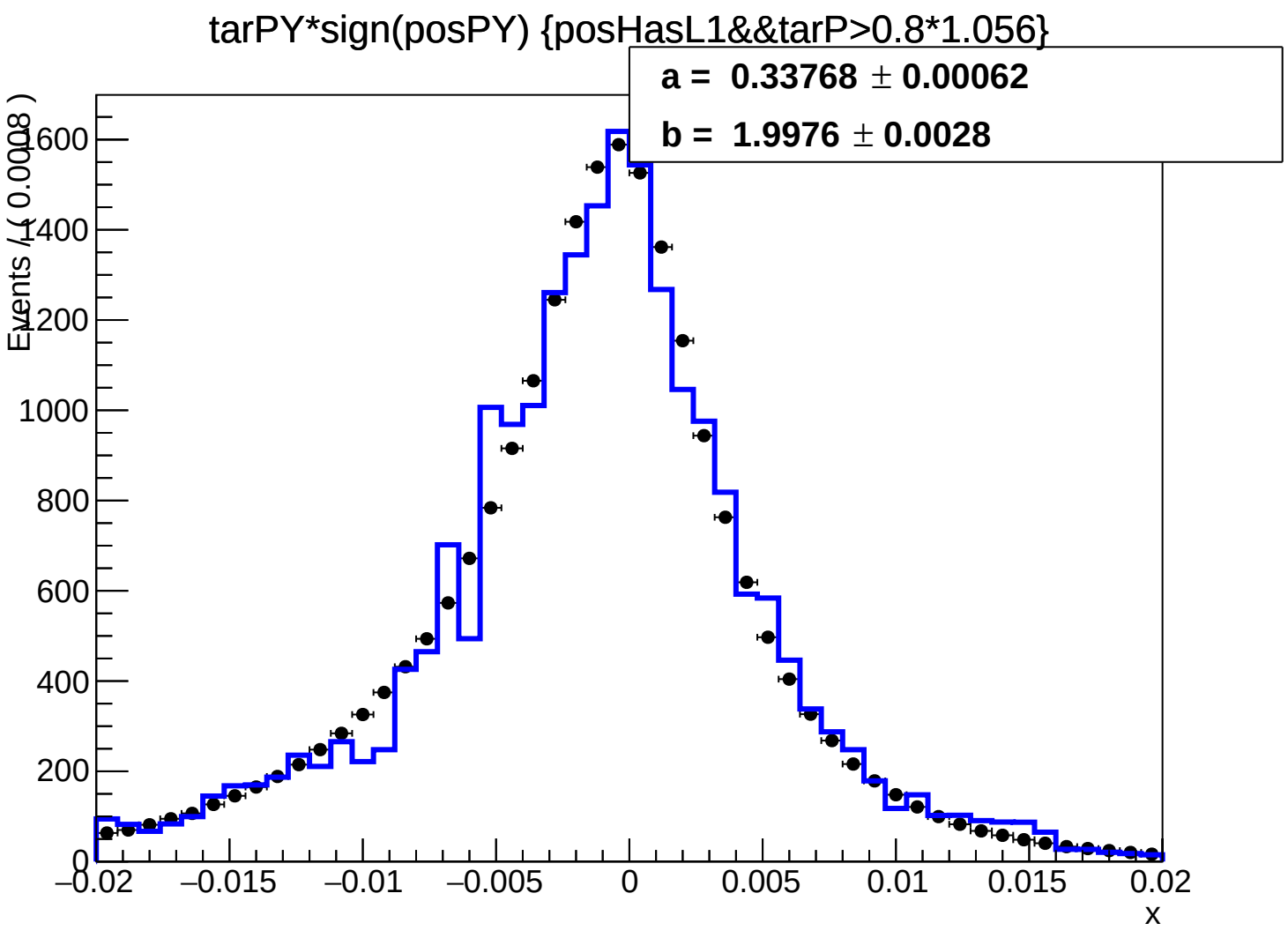

p(e+e-)>0.8E_beam
data/0.65
trident MC
WAB MC
MC sum
Normalized rate [nb]
2500
2000
1500
1000
500
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Positron momentum [GeV]

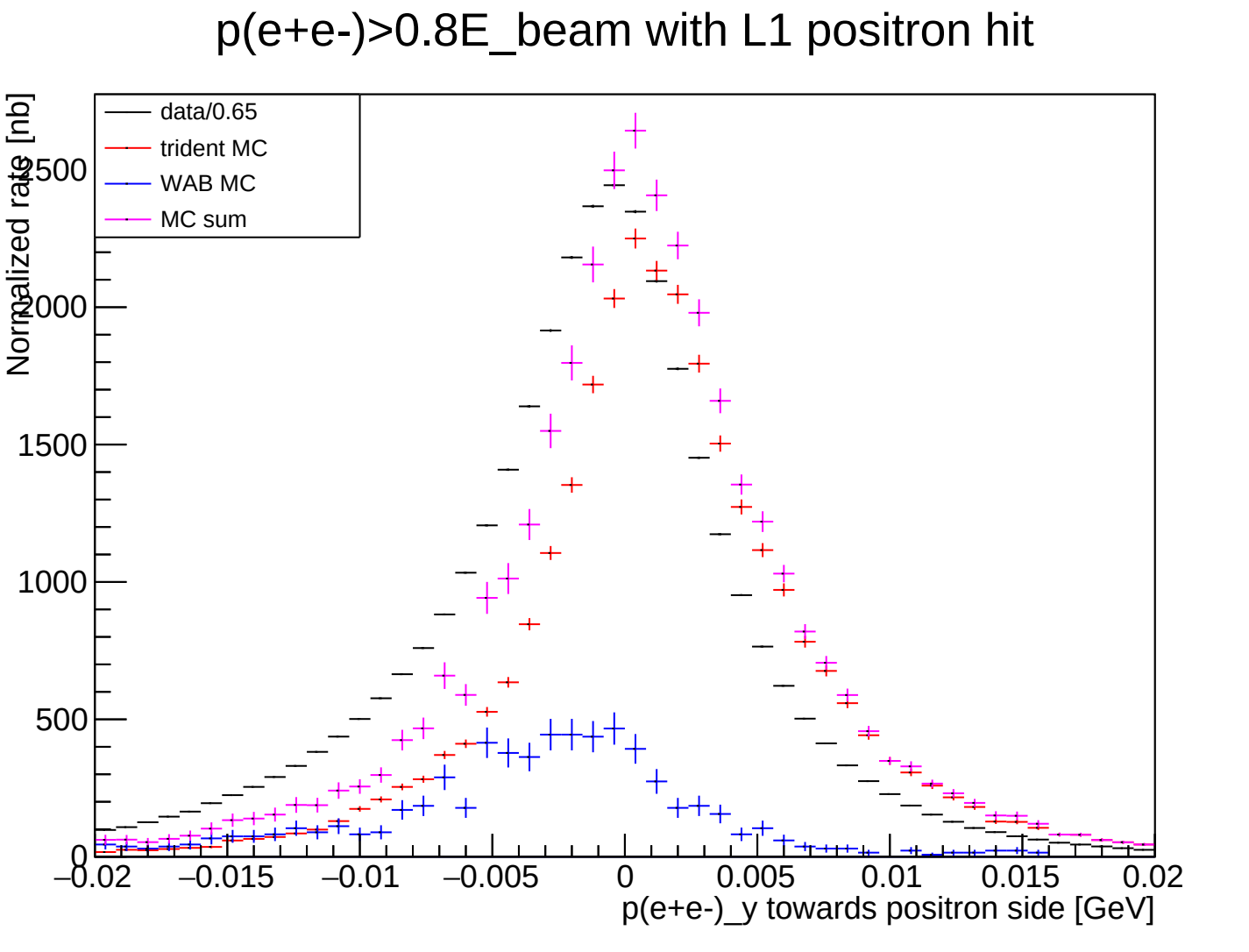

tarP {posHasL1&&tarP>0.8*1.056}
a = 0.7068 ± 0.0018
b = 0.3961 ± 0.0076
Events / (0.01)
0
200
400
600
800
1000
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
x

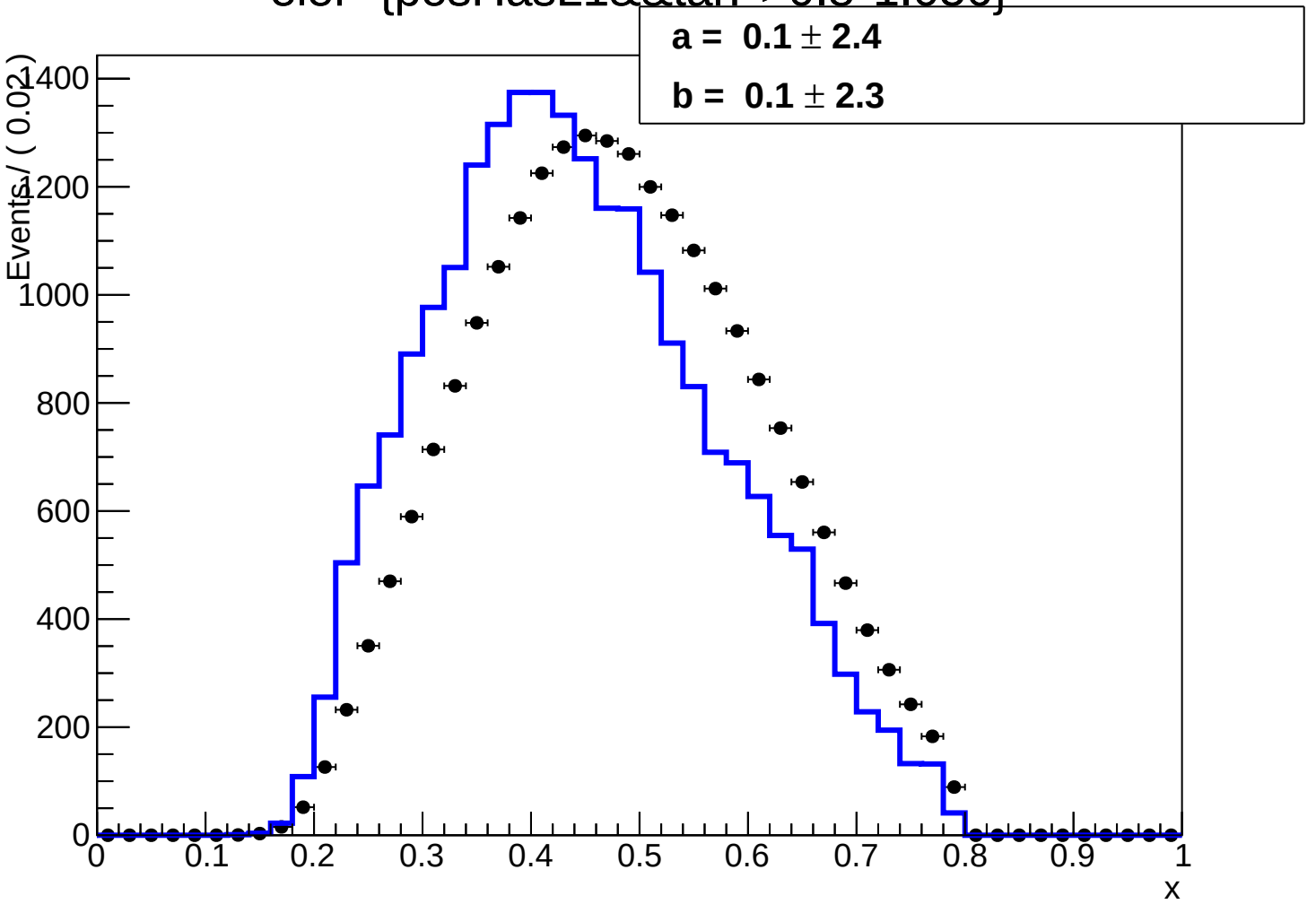

p(e+e-)>0.8E_beam with L1 positron hit
data/0.65
trident MC
WAB MC
MC sum
Normalized rate [nb]
0
200
400
600
800
1000
1200
1400
1600
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
momentum sum [GeV]

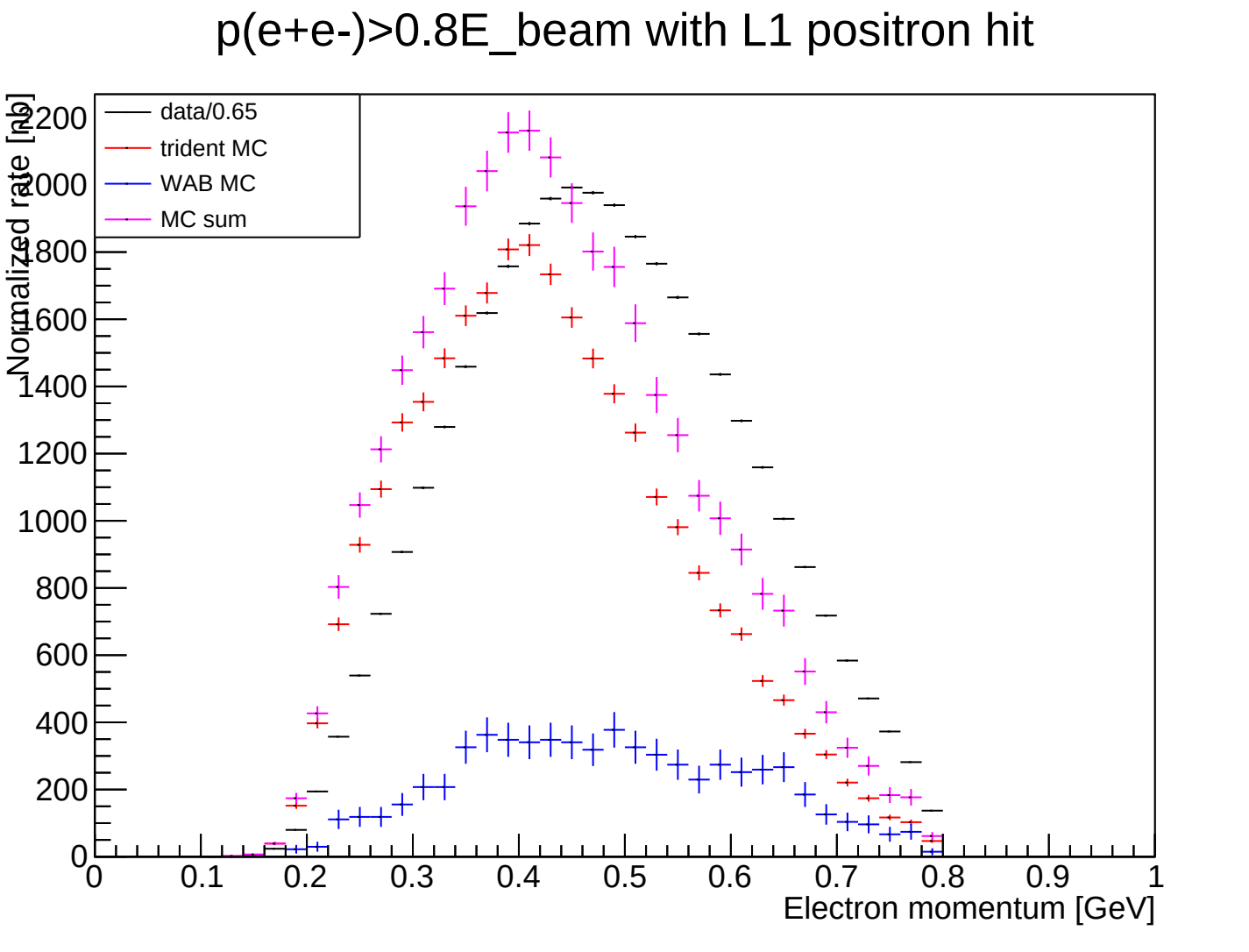

posTrkD0 {posHasL1&&tarP>0.8*1.056}
a = 0.1 ± 2.4
b = 0.1 ± 2.3
Events / (0.12)
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
x

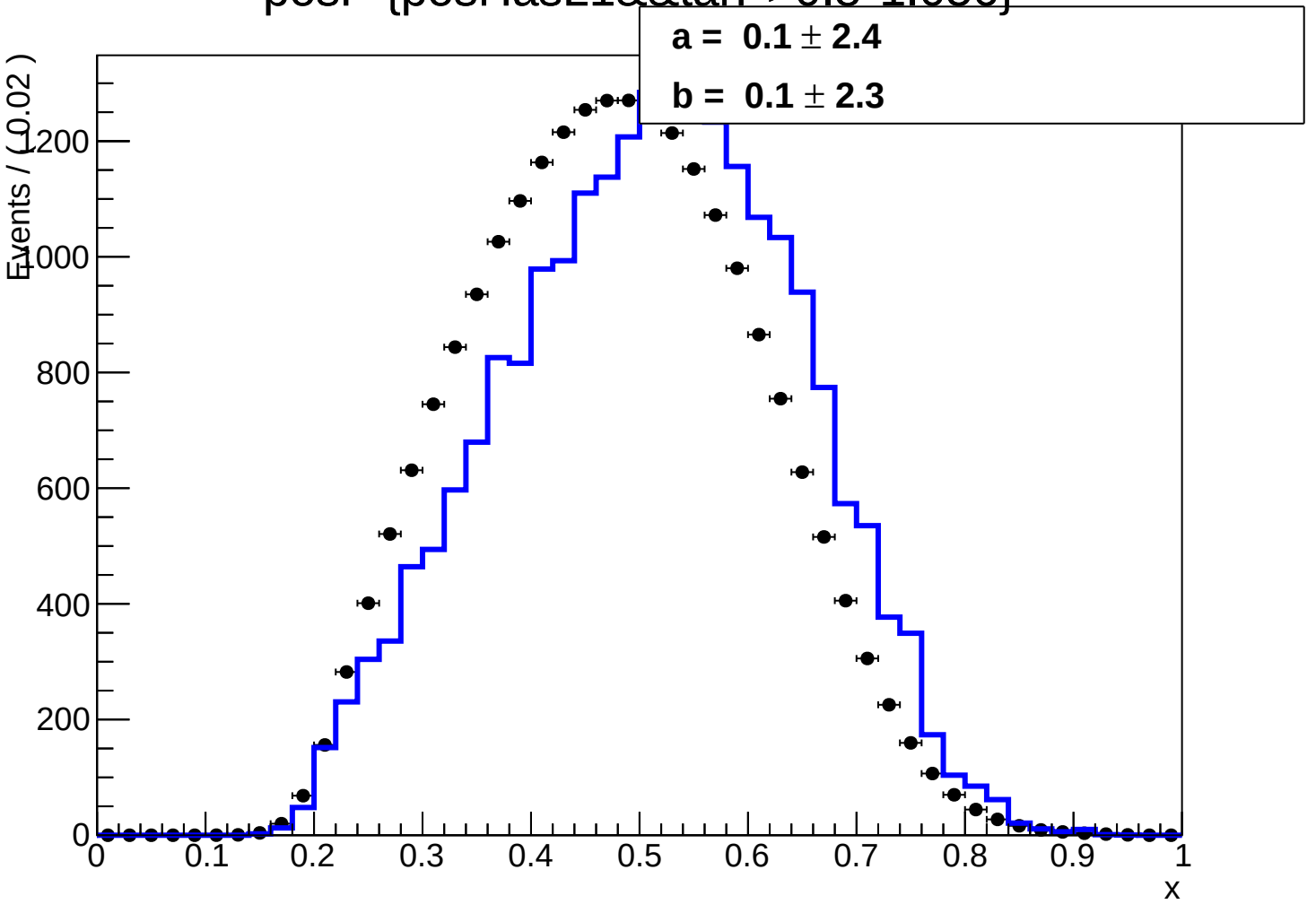

p(e+e-)>0.8E_beam with L1 positron hit
data/0.65
trident MC
WAB MC
MC sum
Normalized rate [pb]
positron X DOCA [mm]
0
500
1000
1500
2000
2500
3000
3500
−3
−2
−1
0
1
2
3

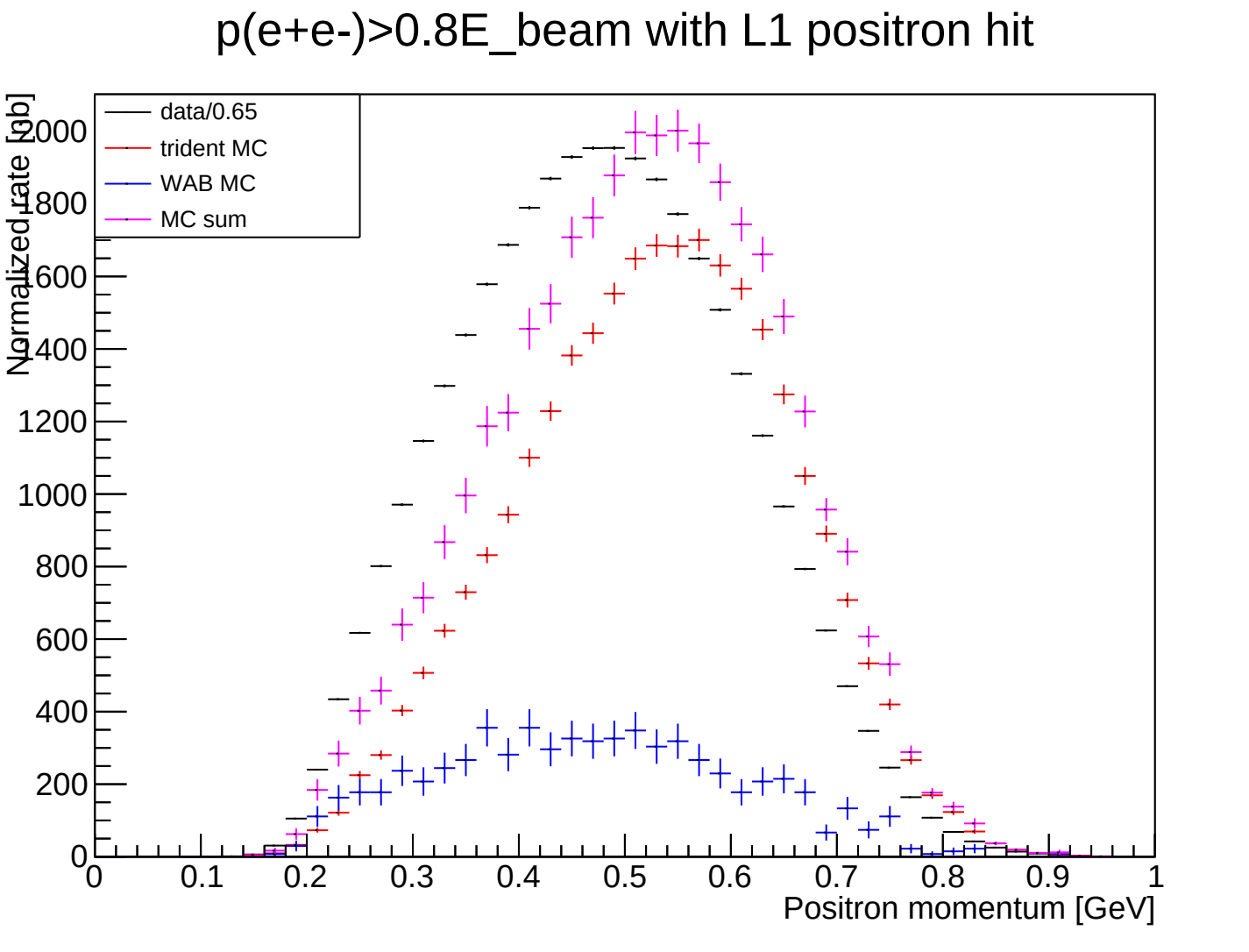

tarPY*sign(posPY) {posHasL1&&tarP>0.8*1.056}
a = 0.33768 ± 0.00062
b = 1.9976 ± 0.0028
Events / (0.0008)
1600
1400
1200
1000
800
600
400
200
0
–0.02
–0.015
–0.01
–0.005
0
0.005
0.01
0.015
0.02
x

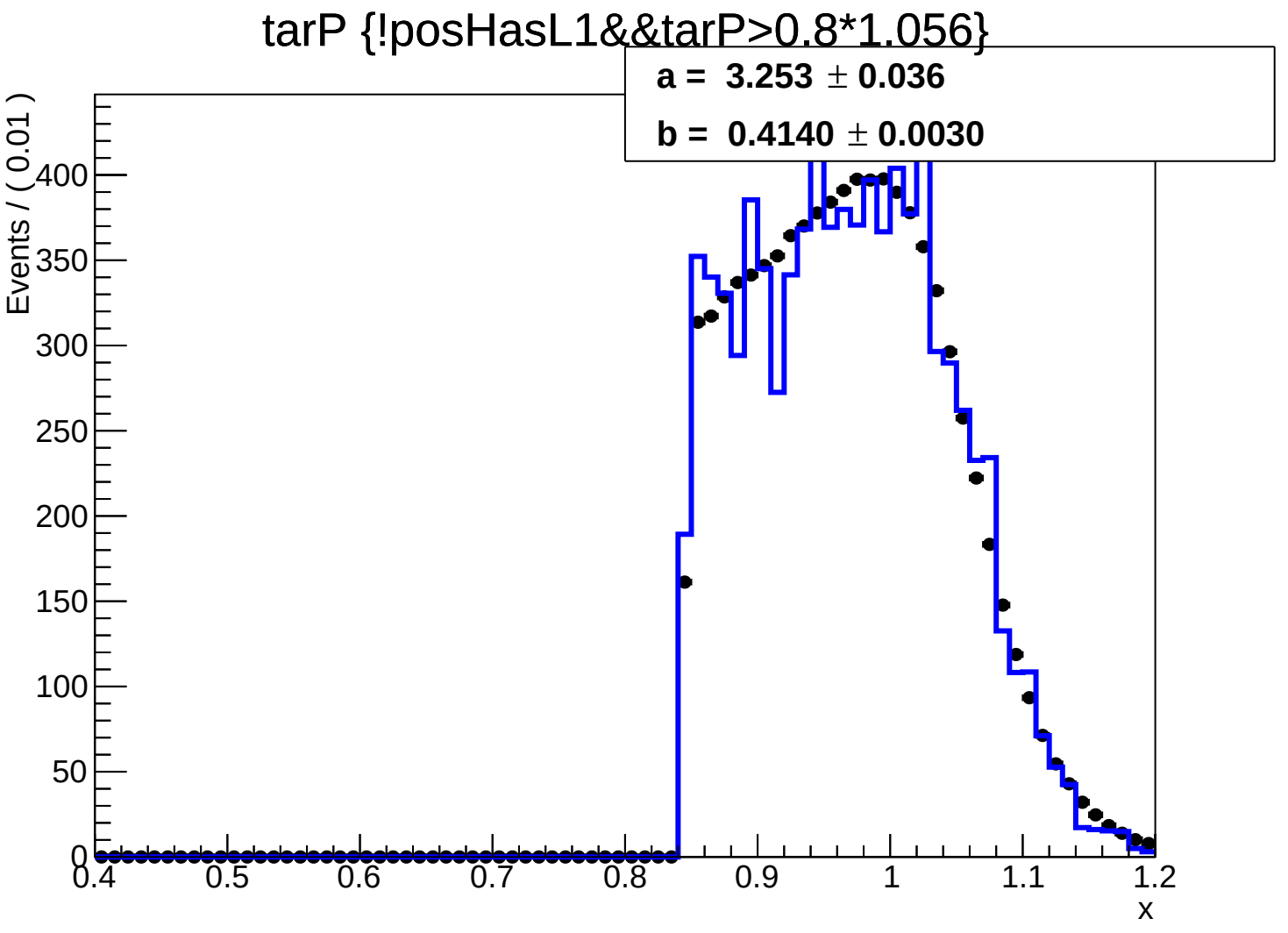

p(e+e-)>0.8E_beam with L1 positron hit
data/0.65
trident MC
WAB MC
MC sum
Normalized rate [nb]
2500
2000
1500
1000
500
0
–0.02
–0.015
–0.01
–0.005
0
0.005
0.01
0.015
0.02
p(e+e-)_y towards positron side [GeV]

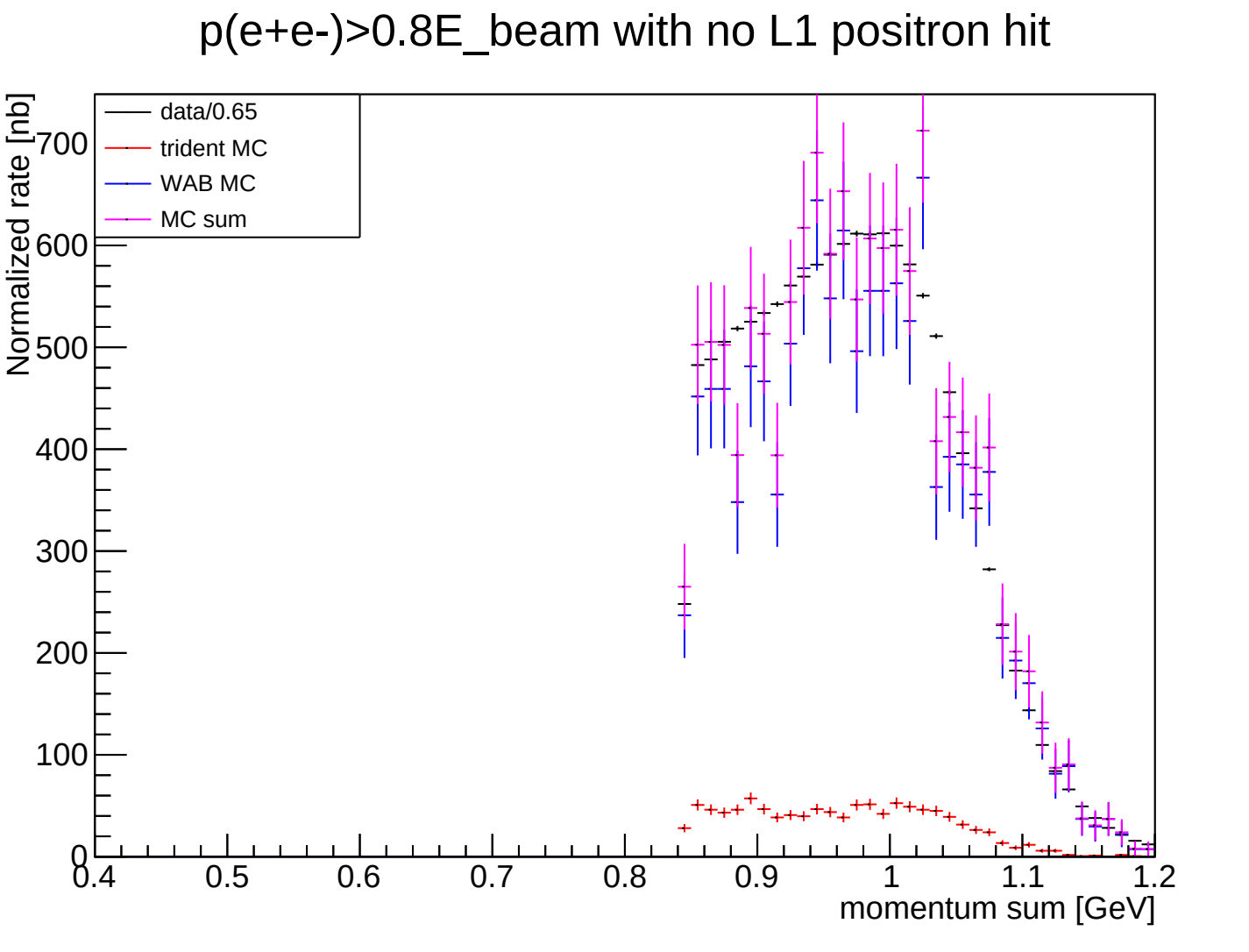

eleP {posHasL1&&tarP>0.8*1.056}
a = 0.1 ± 2.4
b = 0.1 ± 2.3
Events / (0.02)
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
x

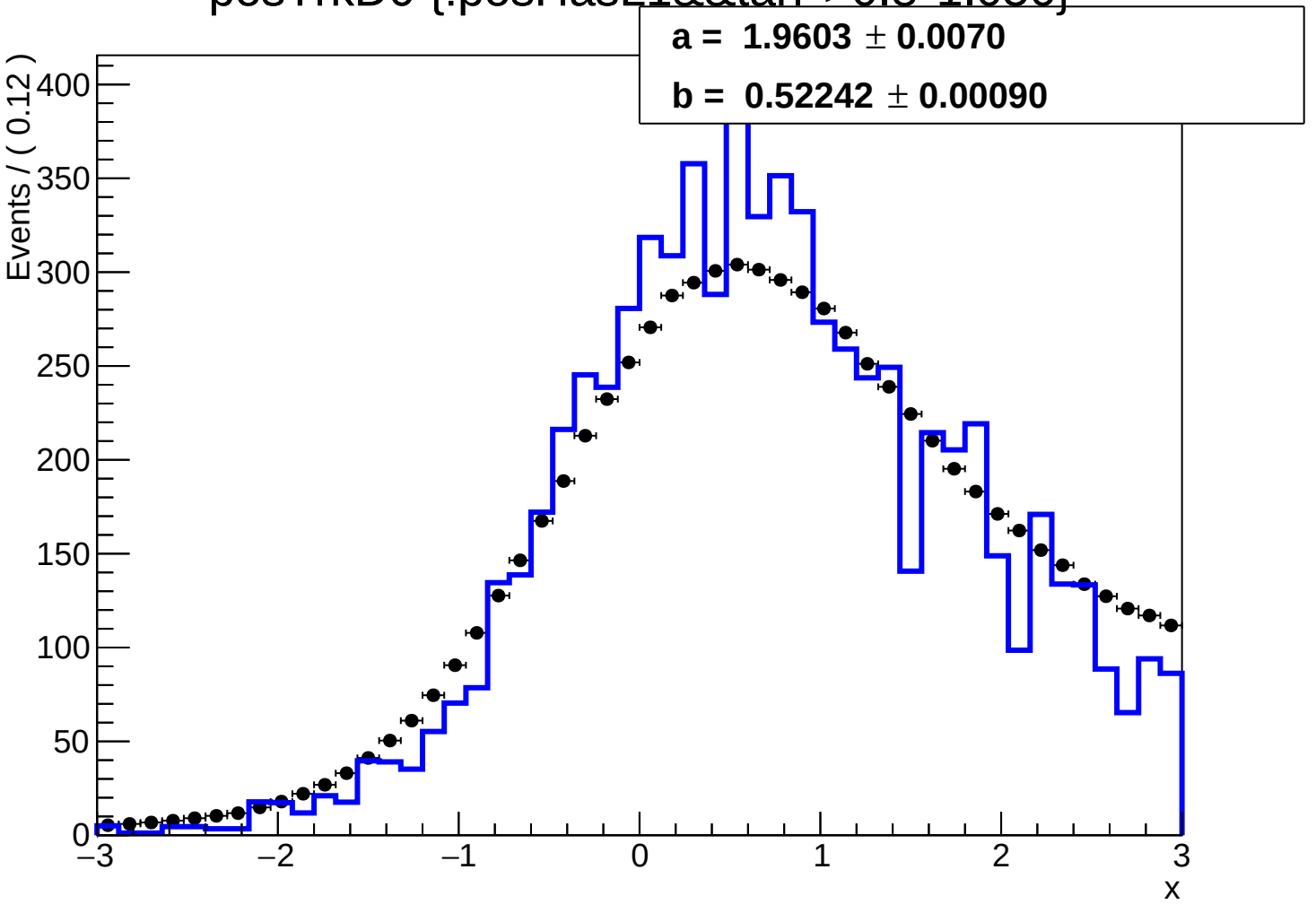

p(e+e-)>0.8E_beam with L1 positron hit
data/0.65
trident MC
WAB MC
MC sum
Normalized rate [nb]
Electron momentum [GeV]
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

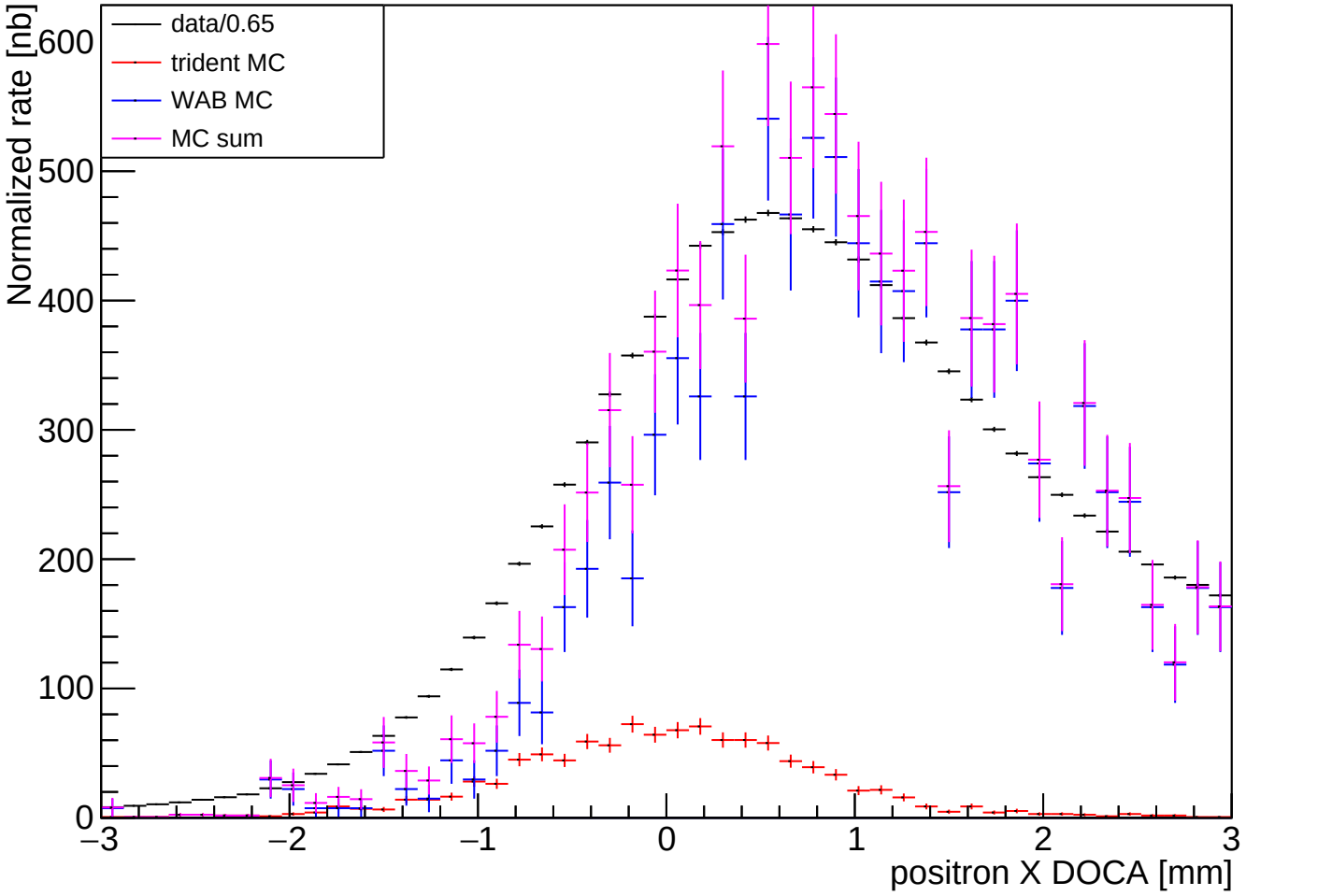

posP {posHasL1&&tarP>0.8*1.056}
a = 0.1 ± 2.4
b = 0.1 ± 2.3
Events / (0.02)
0
200
400
600
800
1000
1200
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
x

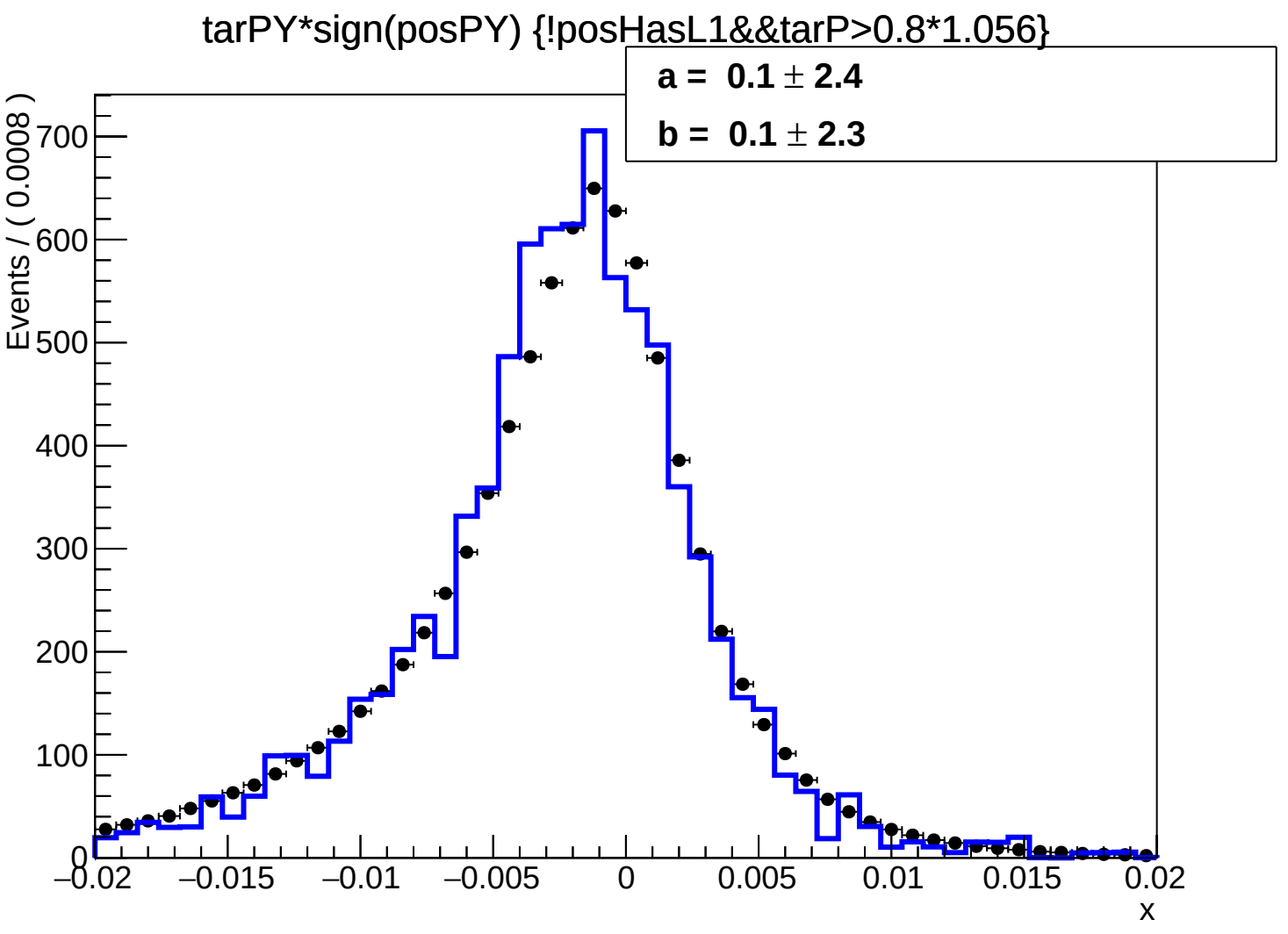

p(e+e-)>0.8E_beam with L1 positron hit
data/0.65
trident MC
WAB MC
MC sum
Normalized rate [nb]
Positron momentum [GeV]
0
200
400
600
800
1000
1200
1400
1600
1800
2000
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

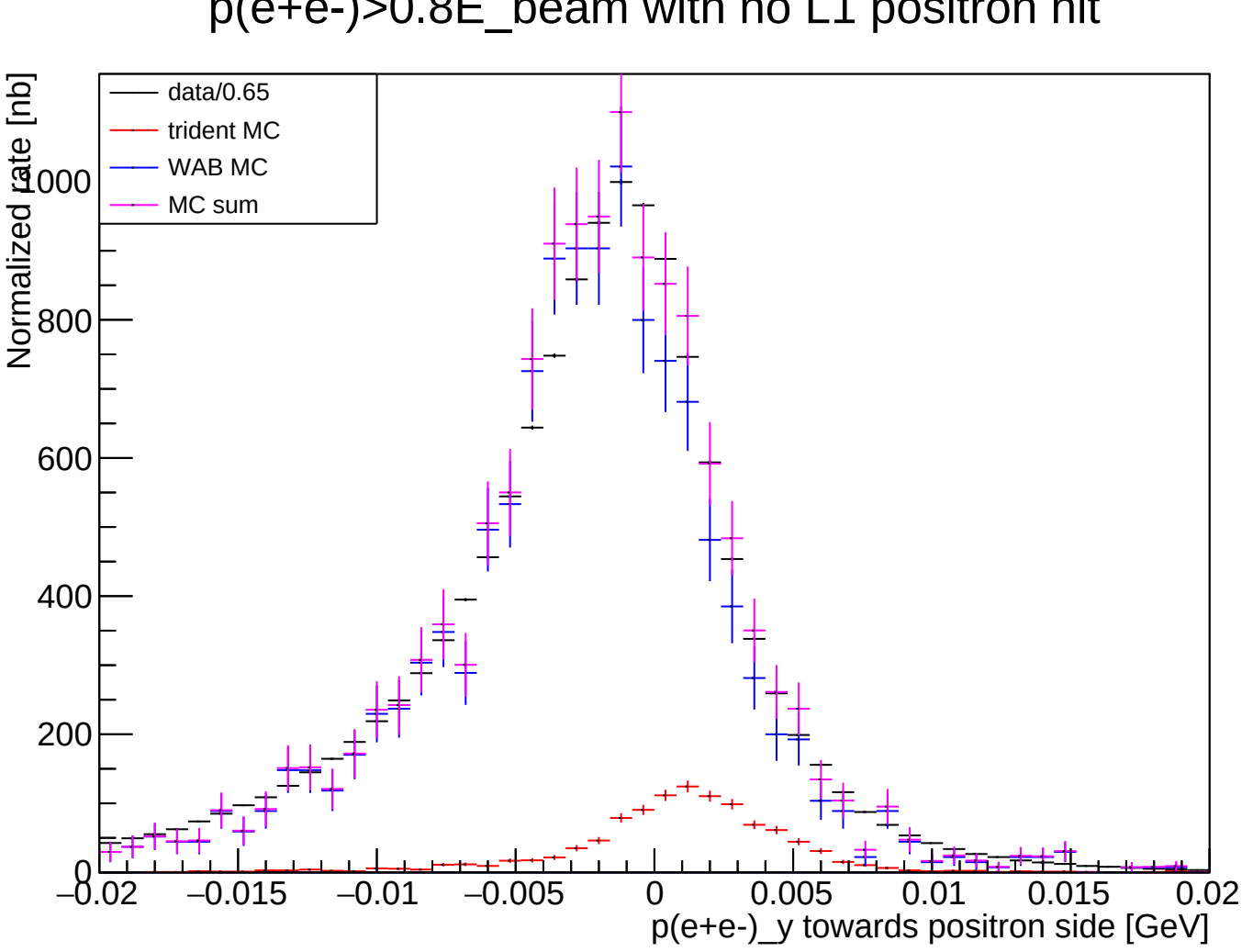

tarP {!posHasL1&&tarP>0.8*1.056}
a = 3.253 ± 0.036
b = 0.4140 ± 0.0030
Events / (0.01)
0
50
100
150
200
250
300
350
400
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
x

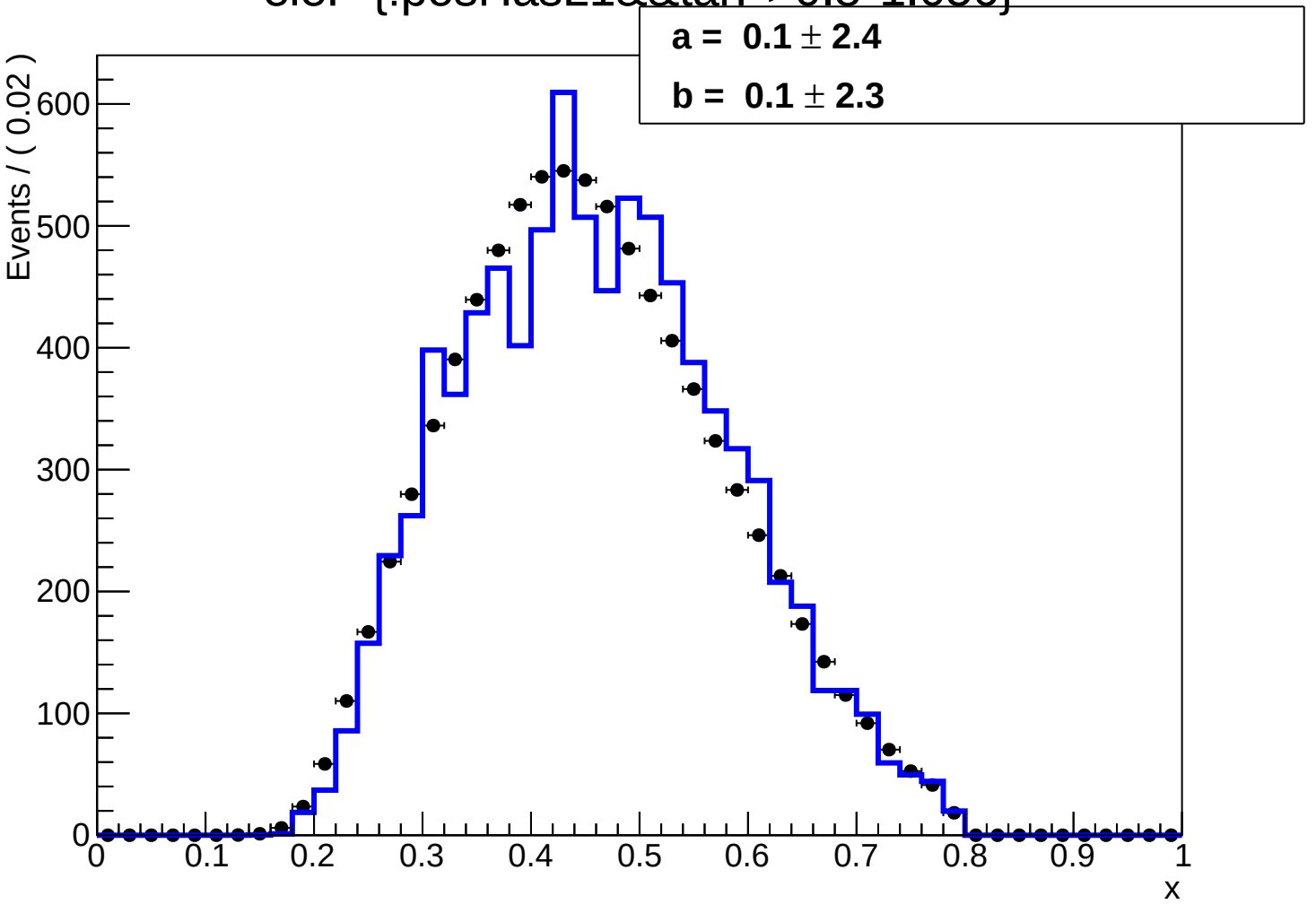

p(e+e-)>0.8E_beam with no L1 positron hit
data/0.65
trident MC
WAB MC
MC sum
Normalized rate [nb]
0
100
200
300
400
500
600
700
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
momentum sum [GeV]

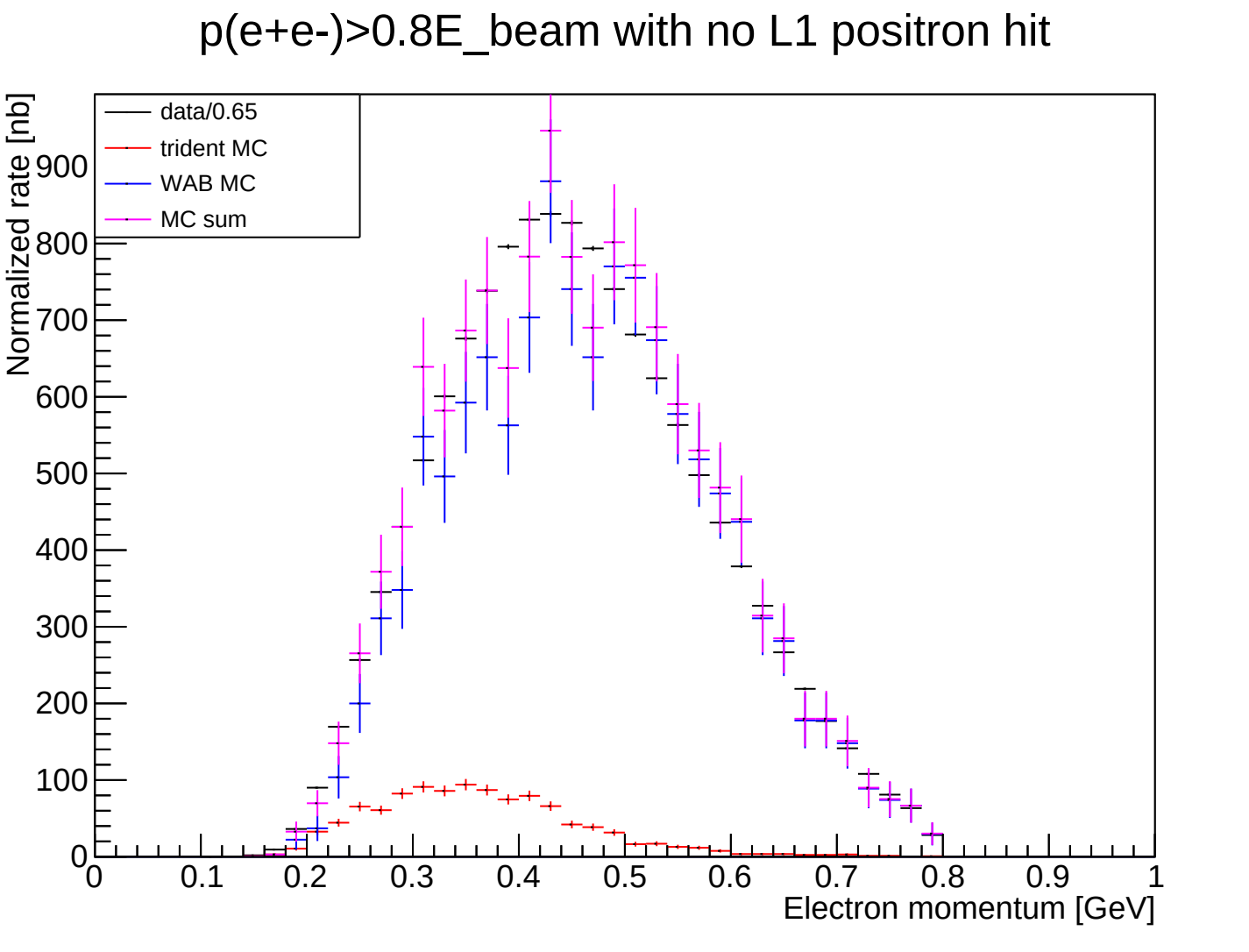

posTrkD0 {!posHasL1&&tarP>0.8*1.056}
a = 1.9603 ± 0.0070
b = 0.52242 ± 0.00090
Events / (0.12)
400
350
300
250
200
150
100
50
0
−3
−2
−1
0
1
2
3
x

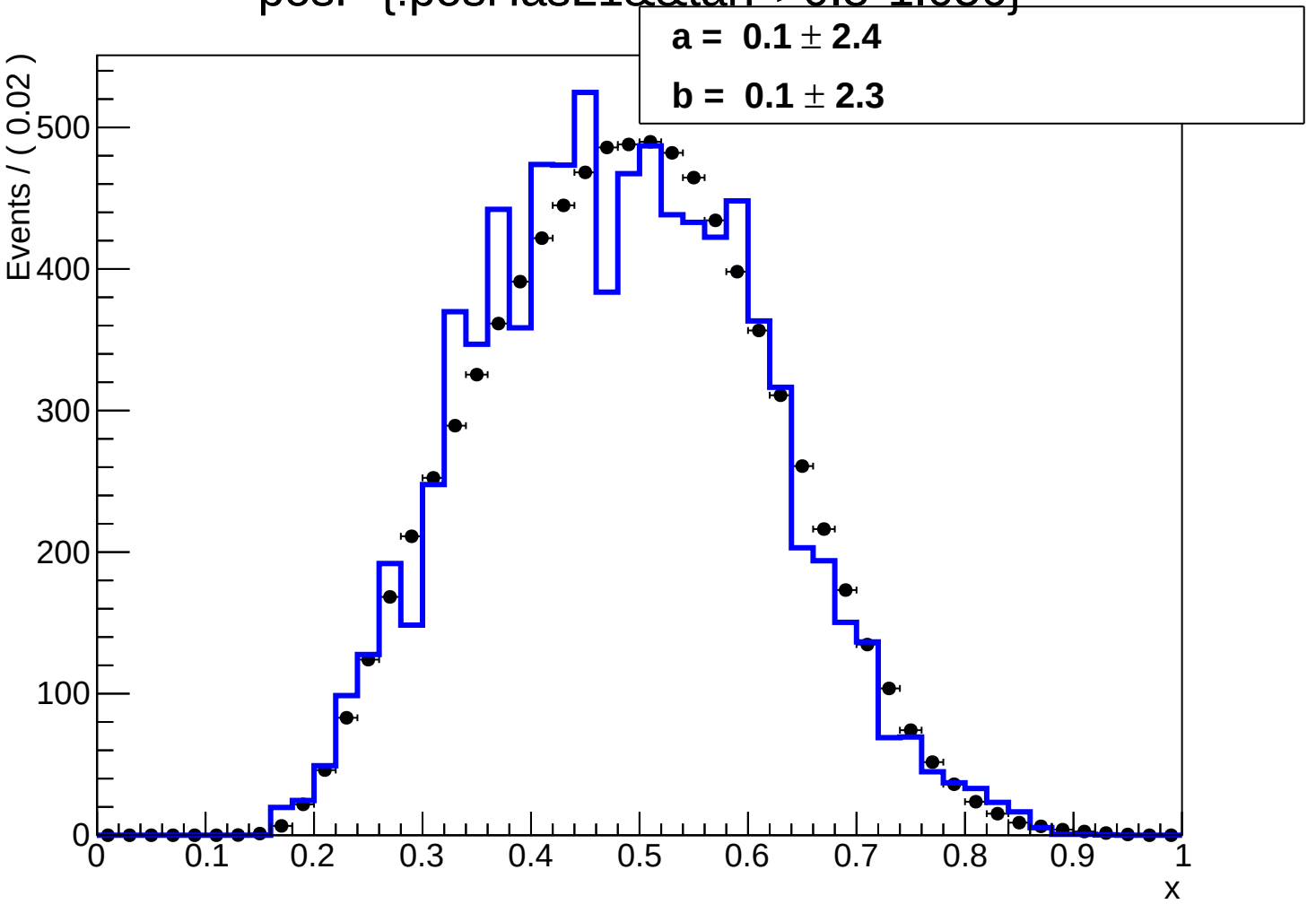

p(e+e-)>0.8E_beam with no L1 positron hit
data/0.65
trident MC
WAB MC
MC sum
Normalized rate [nb]
0
100
200
300
400
500
600
−3
−2
−1
0
1
2
3
positron X DOCA [mm]

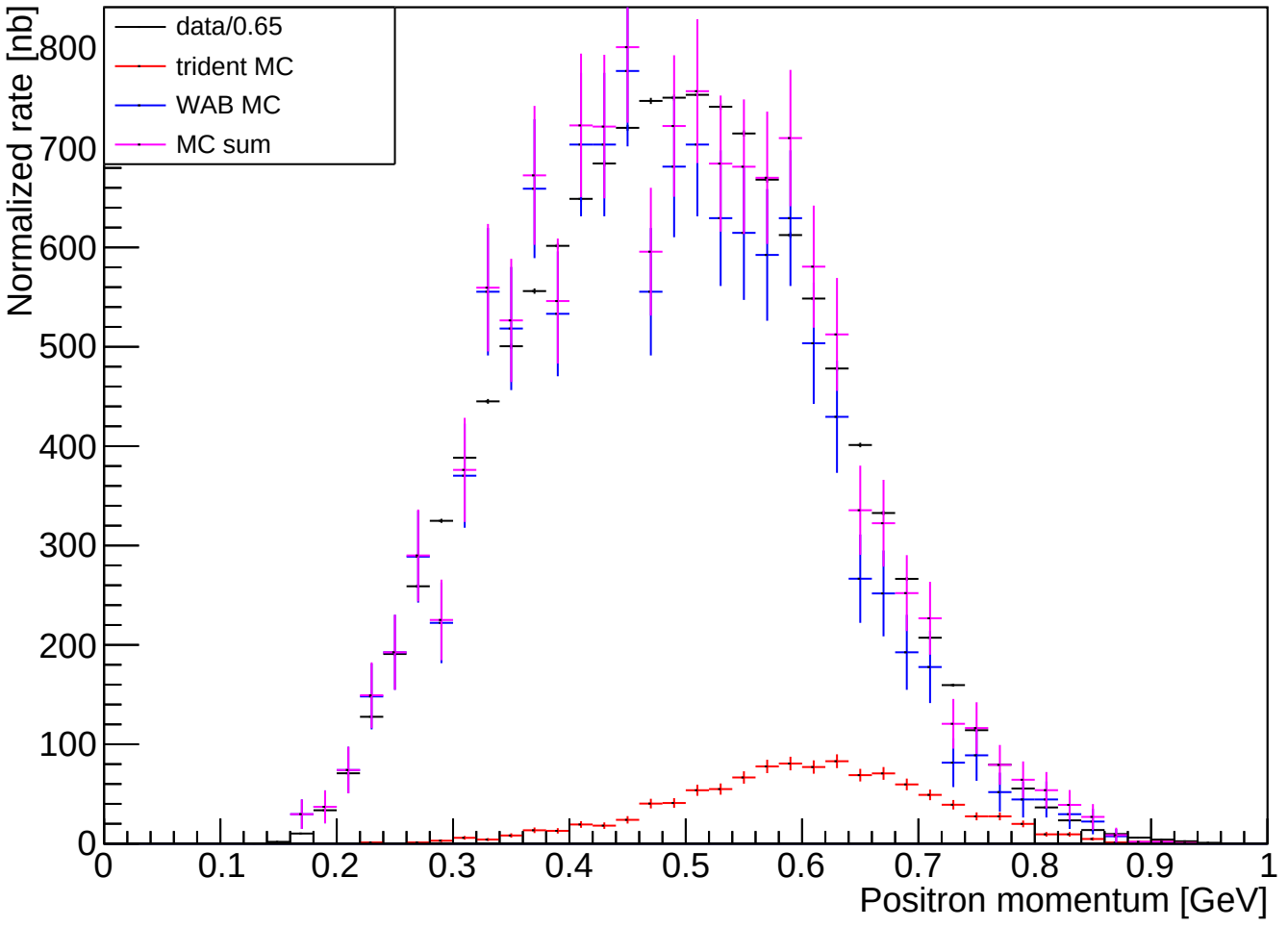

tarPY*sign(posPY) {!posHasL1&&tarP>0.8*1.056}
a = 0.1 ± 2.4
b = 0.1 ± 2.3
Events / (0.0008)
0
100
200
300
400
500
600
700
–0.02
–0.015
–0.01
–0.005
0
0.005
0.01
0.015
0.02
x

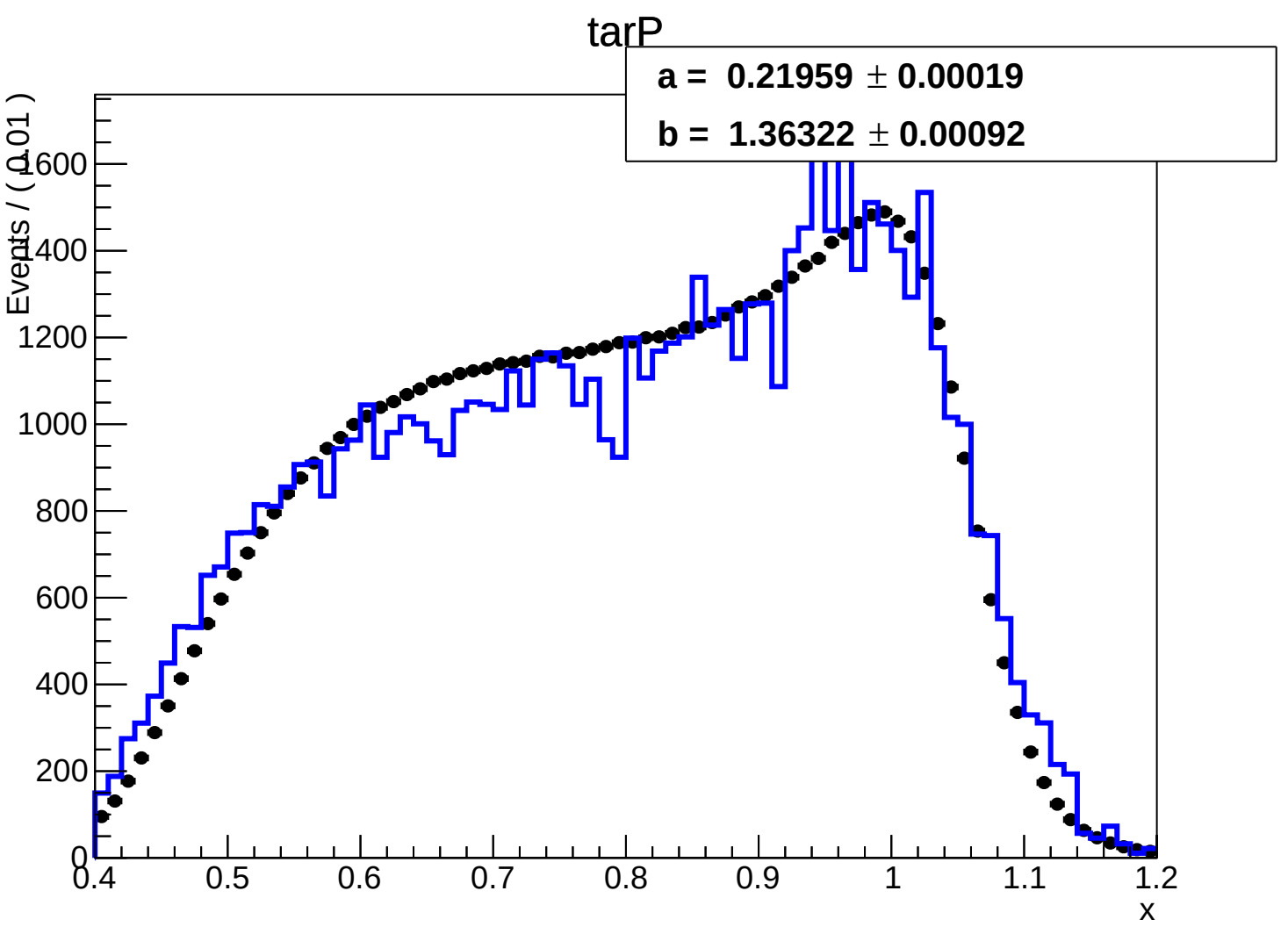

p(e+e-)>0.8E_beam with no L1 positron hit
data/0.65
trident MC
WAB MC
MC sum
Normalized rate [nb]
1000
800
600
400
200
0
–0.02
–0.015
–0.01
–0.005
0
0.005
0.01
0.015
0.02
p(e+e-)_y towards positron side [GeV]


eleP {!posHasL1&&tarP>0.8*1.056}
a = 0.1 ± 2.4
b = 0.1 ± 2.3
Events / (0.02)
0
100
200
300
400
500
600
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
x

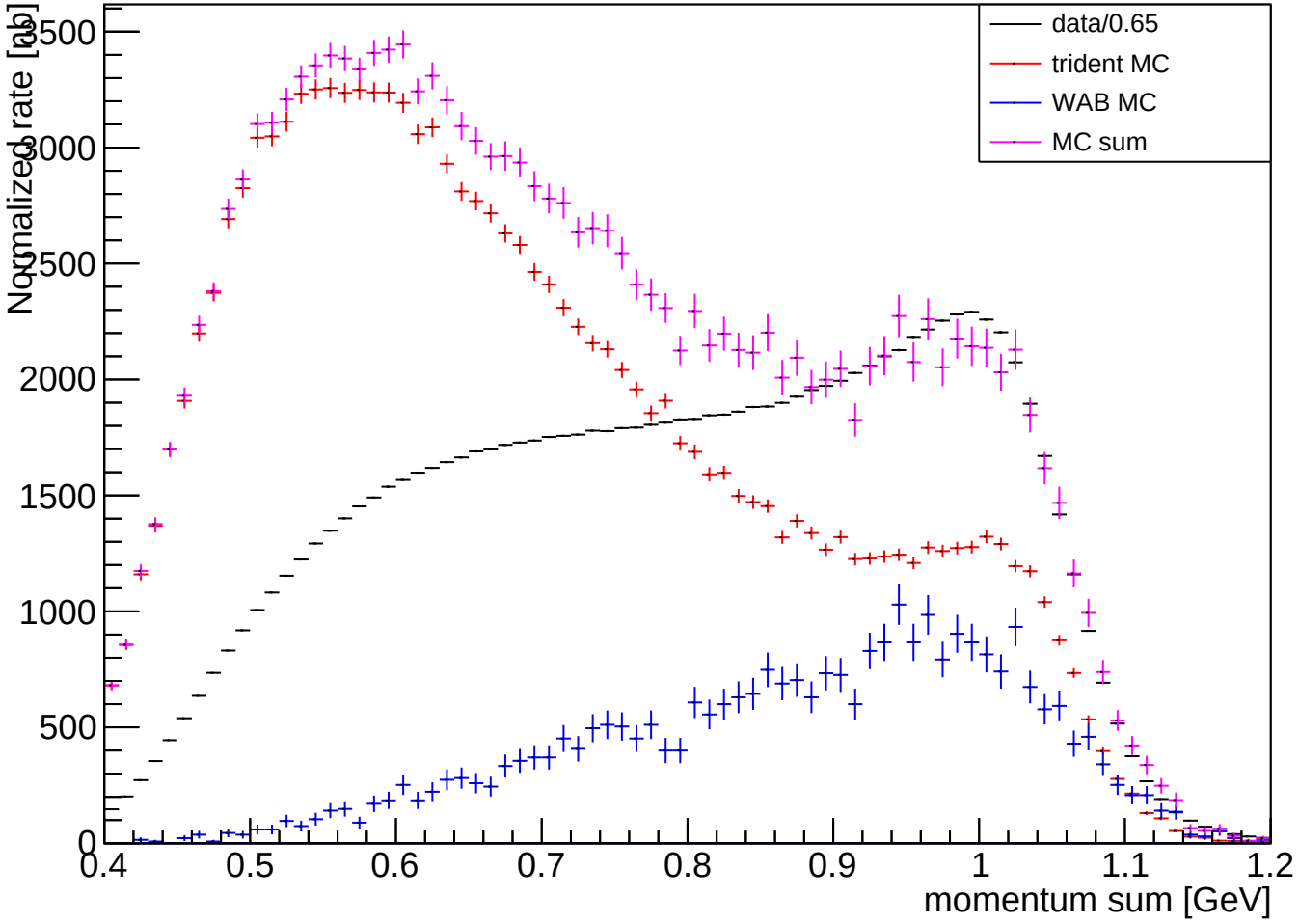

p(e+e-)>0.8E_beam with no L1 positron hit
data/0.65
trident MC
WAB MC
MC sum
Normalized rate [nb]
0
100
200
300
400
500
600
700
800
900
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Electron momentum [GeV]

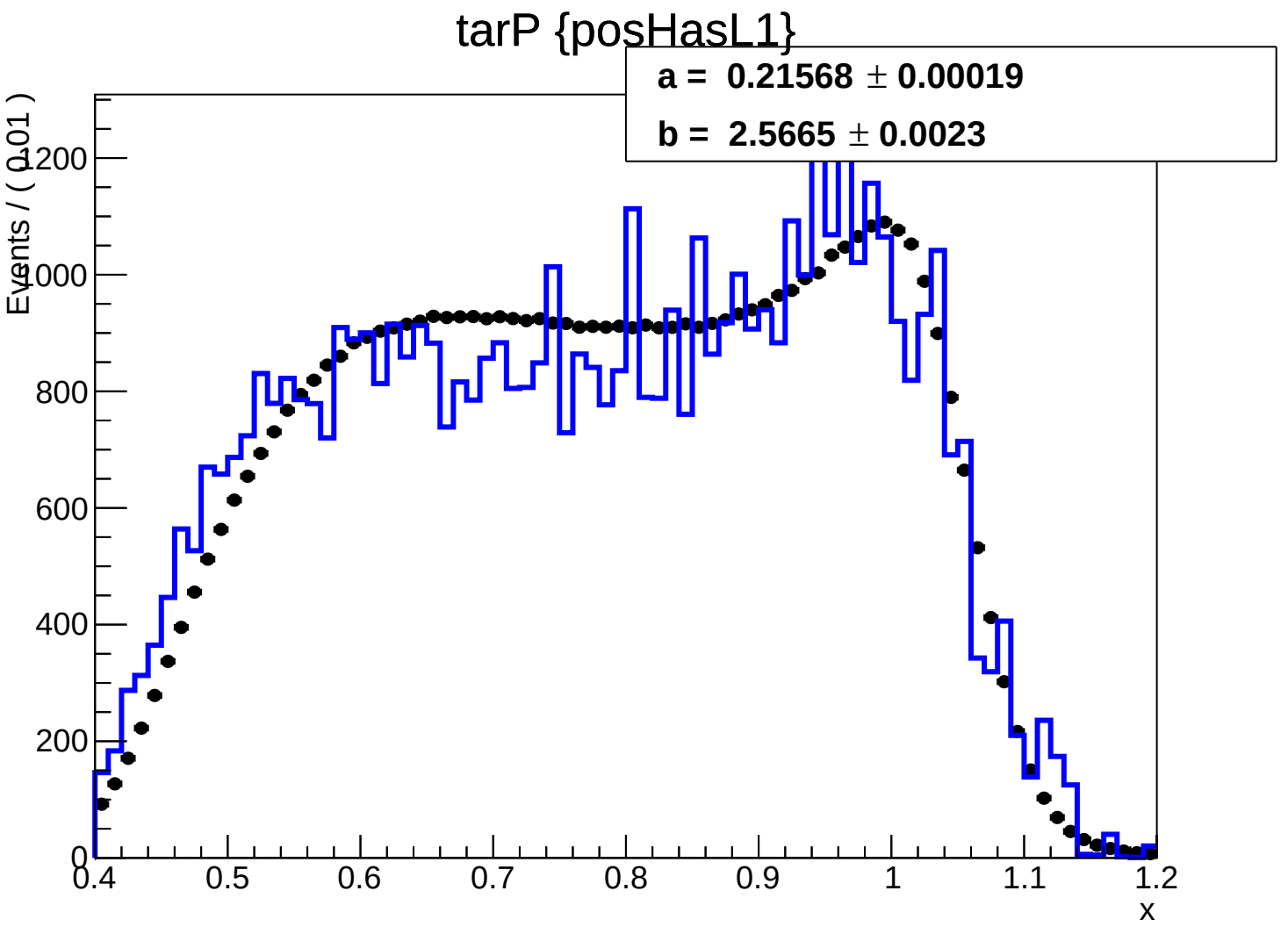

posP {!posHasL1&&tarP>0.8*1.056}
a = 0.1 ± 2.4
b = 0.1 ± 2.3
Events / (0.02)
0
100
200
300
400
500
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
x

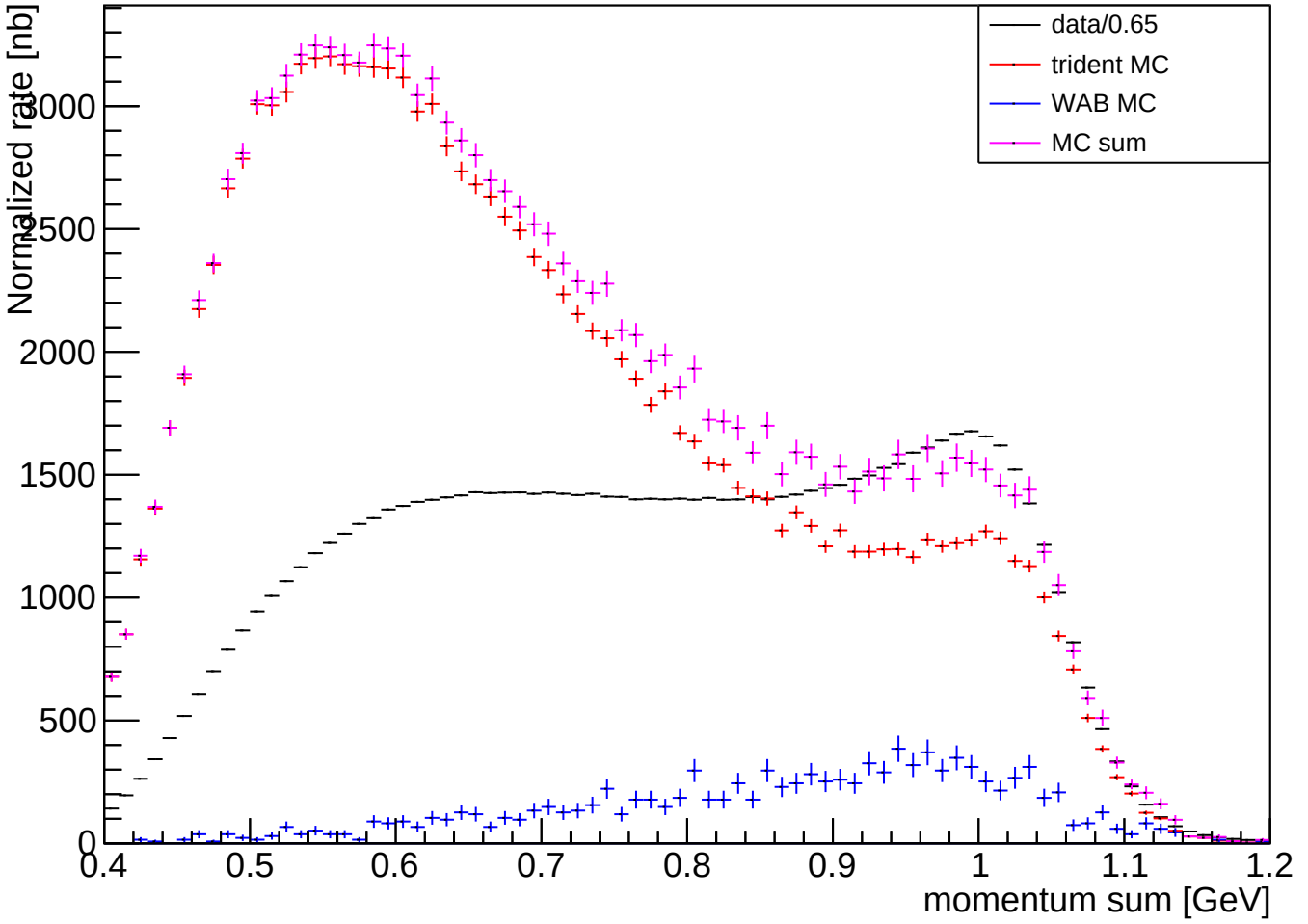

p(e+e-)>0.8E_beam with no L1 positron hit
data/0.65
trident MC
WAB MC
MC sum
Normalized rate [nb]
0
100
200
300
400
500
600
700
800
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Positron momentum [GeV]

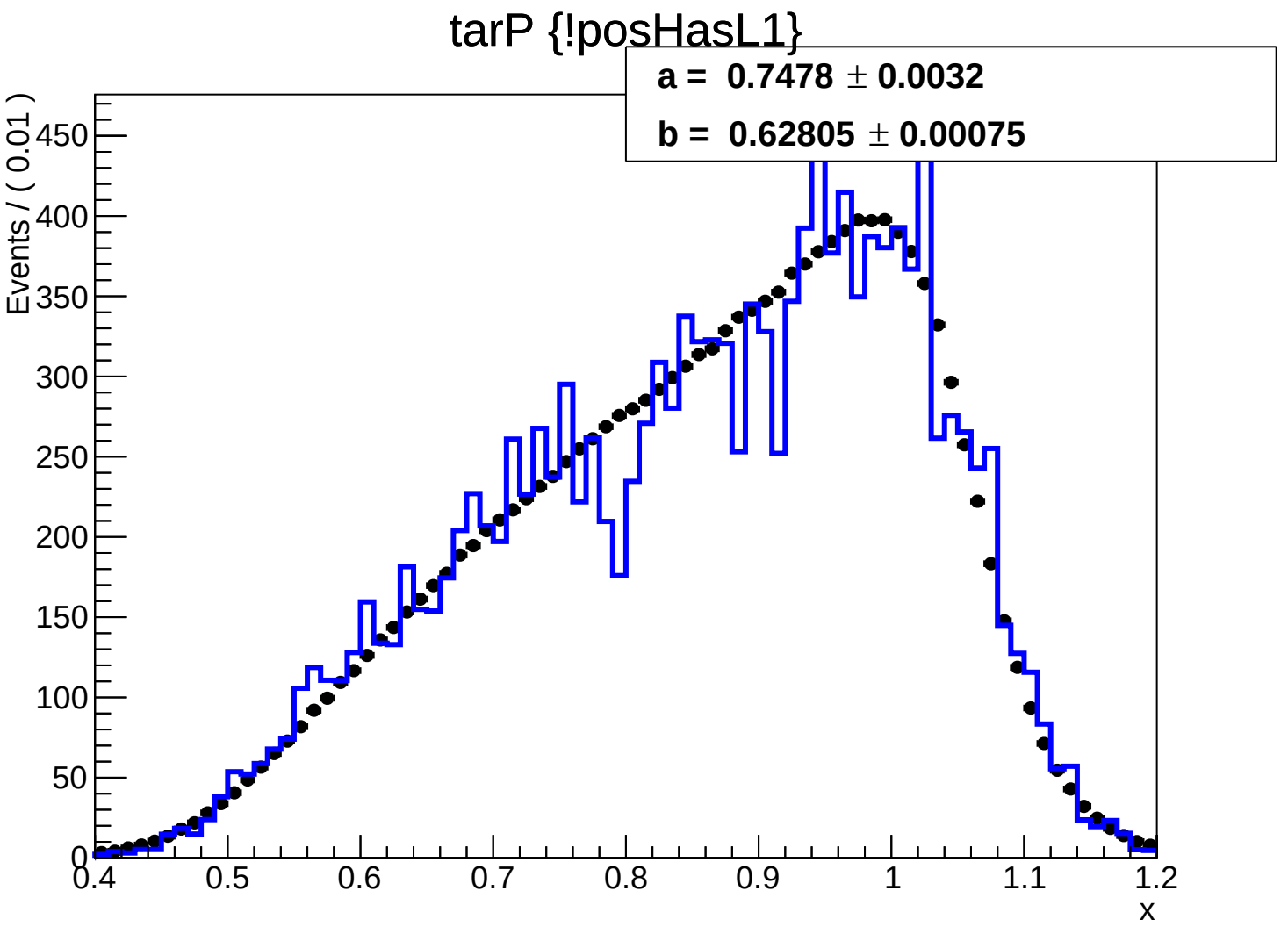
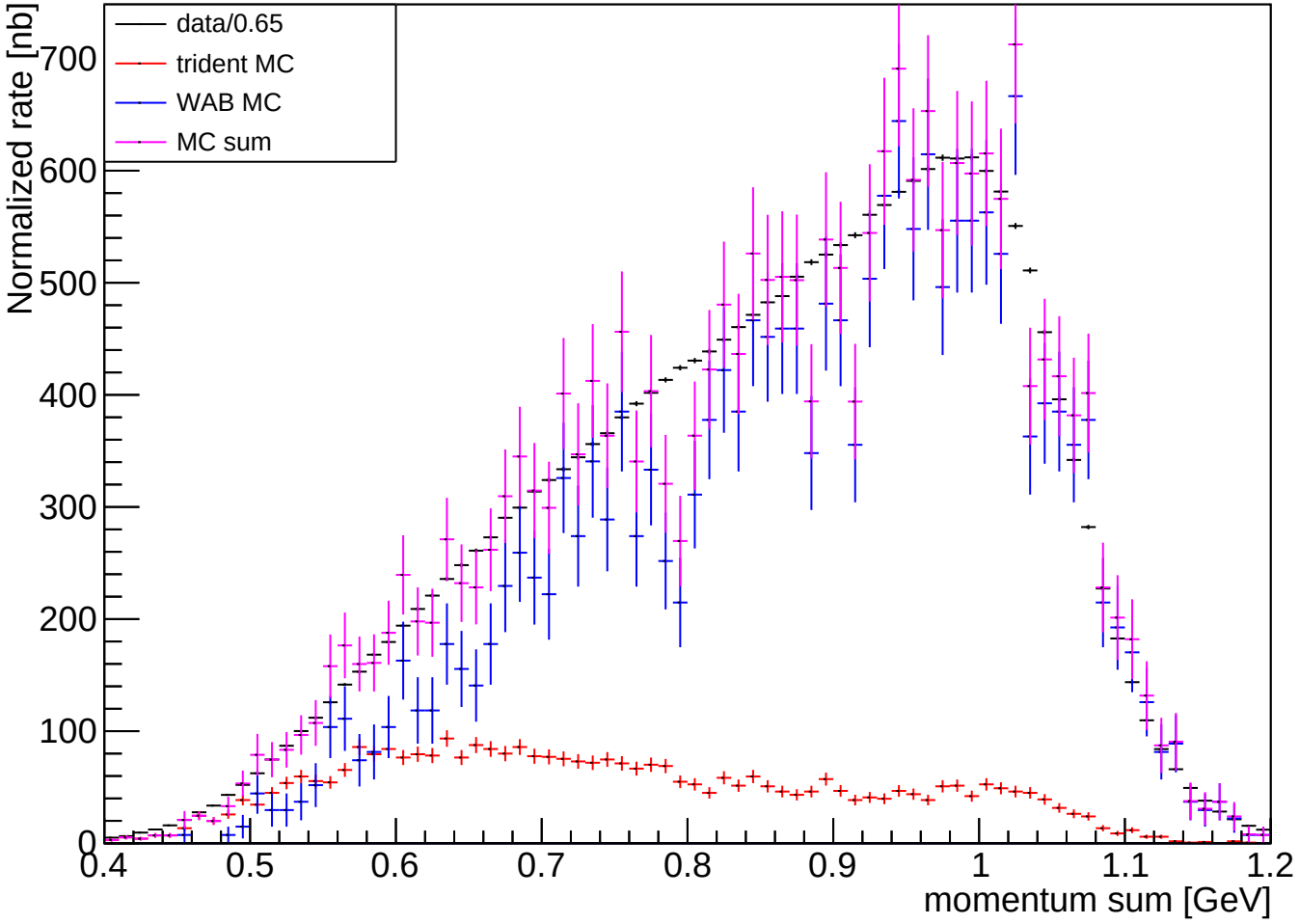

tarP
a = 0.21959 ± 0.00019
b = 1.36322 ± 0.00092
Events / (0.01)
0
200
400
600
800
1000
1200
1400
1600
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
x

All pairs


data/0.65
trident MC
WAB MC
MC sum
Normalized rate [nb]
momentum sum [GeV]
0
500
1000
1500
2000
2500
3000
3500
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2


tarP {posHasL1}
a = 0.21568 ± 0.00019
b = 2.5665 ± 0.0023
Events / (0.01)
0
200
400
600
800
1000
1200
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
x


Pairs with L1 positron hit
data/0.65
trident MC
WAB MC
MC sum
Normalized rate [nb]
momentum sum [GeV]
0
500
1000
1500
2000
2500
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2


tarP {!posHasL1}
a = 0.7478 ± 0.0032
b = 0.62805 ± 0.00075
Events / (0.01)
0
50
100
150
200
250
300
350
400
450
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
x

Pairs with no L1 positron hit