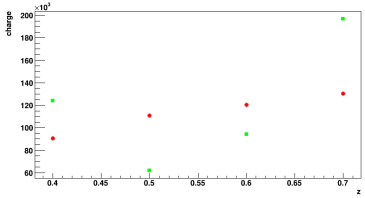
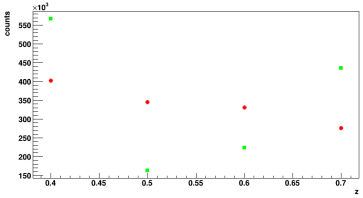
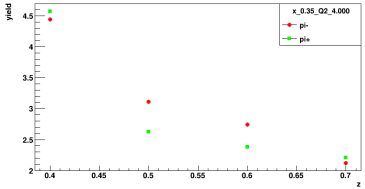
CSV run group statistics and yield

Shuo Jia

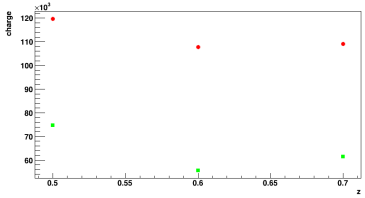


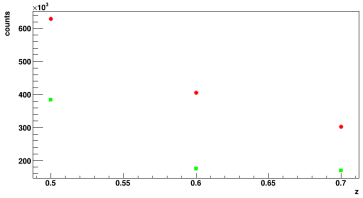


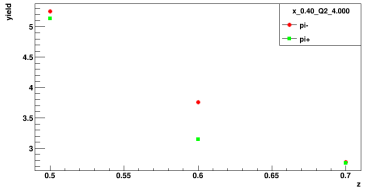


HMS Cut	SHMS Cut
-10<dp<10	-10<dp<22
0.8<E/p<2.0	pr<0.2
cer>1.0	E/p<0.6
	hgcer>1.0 or
	aero>1.0 & shms_p<2.7

Event type 4 (COIN)
x_Q2_0.35_4.000

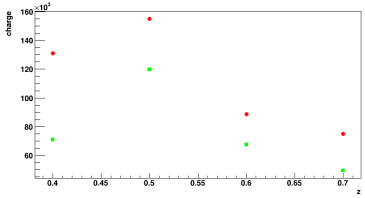


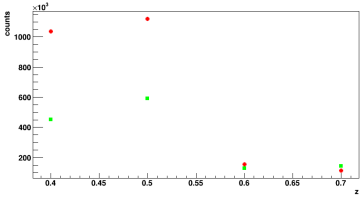


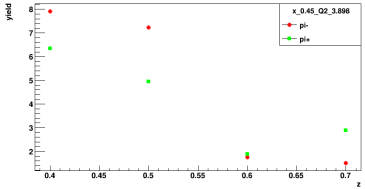


HMS Cut	SHMS Cut
-10<dp<10 0.8<E/p<2.0 cer>1.0	-10<dp<22 pr<0.2 E/p<0.6 hgcer>1.0 or aero>1.0 & shms_p<2.7

Event type 4 (COIN)
x_Q2_0.40_4.000



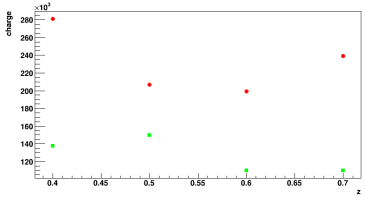


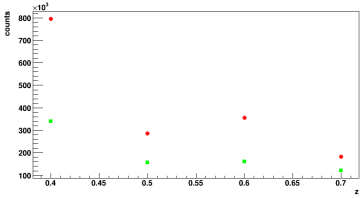


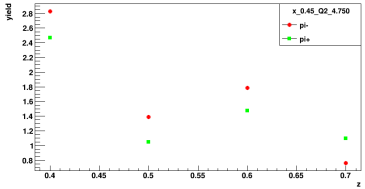
HMS Cut
-10<dp<10
0.8<E/p<2.0
cer>1.0

SHMS Cut
-10<dp<22
pr<0.2
E/p<0.6
hgcer>1.0 or
aero>1.0 & shms_p<2.7

Event type 4 (COIN)
x_Q2_0.45_3.898



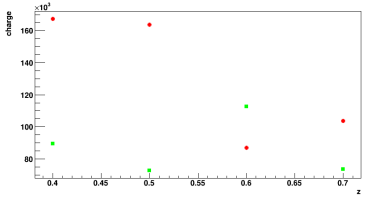


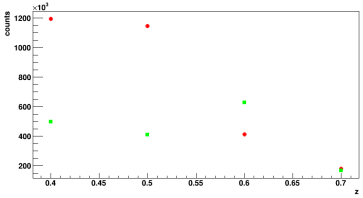


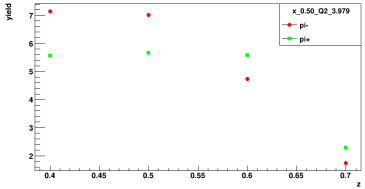
HMS Cut
-10<dp<10
0.8<E/p<2.0
cer>1.0

SHMS Cut
-10<dp<22
pr<0.2
E/p<0.6
hgcer>1.0 or
aero>1.0 & shms_p<2.7

Event type 4 (COIN)
x_Q2_0.45_4.750

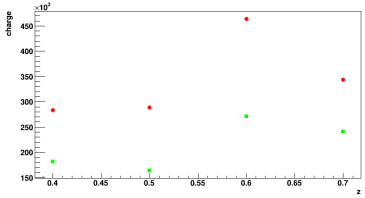


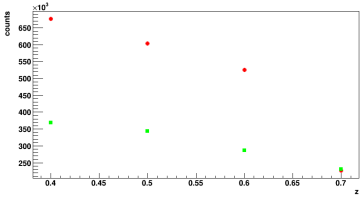


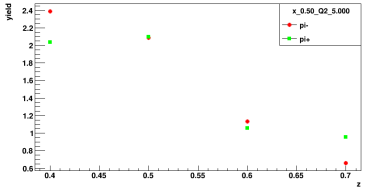


HMS Cut	SHMS Cut
-10<dp<10	-10<dp<22
0.8<E/p<2.0	pr<0.2
cer>1.0	E/p<0.6
	hgcer>1.0 or
	aero>1.0 & shms_p<2.7

Event type 4 (COIN)
x_Q2_0.50_3.979



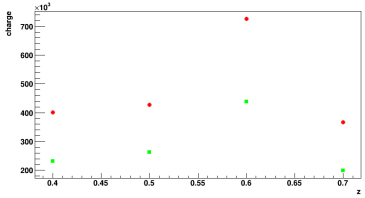


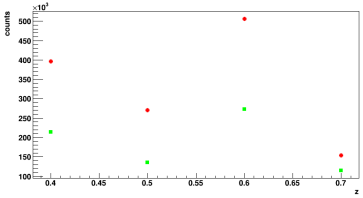


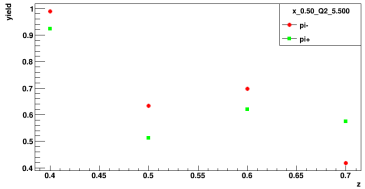
HMS Cut
-10<dp<10
0.8<E/p<2.0
cer>1.0

SHMS Cut
-10<dp<22
pr<0.2
E/p<0.6
hgcer>1.0 or
aero>1.0 & shms_p<2.7

Event type 4 (COIN)
x_Q2_0.50_5.000



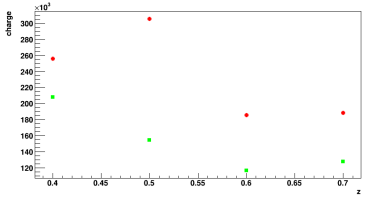


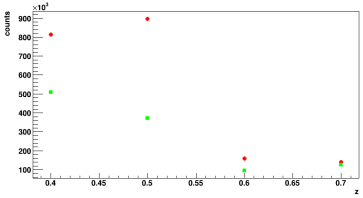


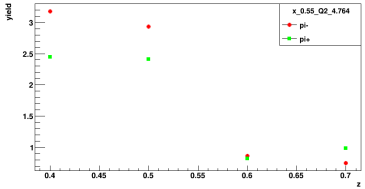
HMS Cut
-10<dp<10
0.8<E/p<2.0
cer>1.0

SHMS Cut
-10<dp<22
pr<0.2
E/p<0.6
hgcer>1.0 or
aero>1.0 & shms_p<2.7

Event type 4 (COIN)
x_Q2_0.50_5.500



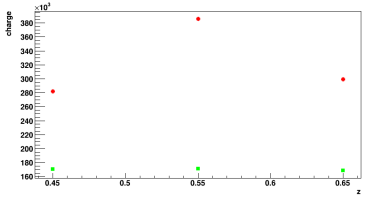


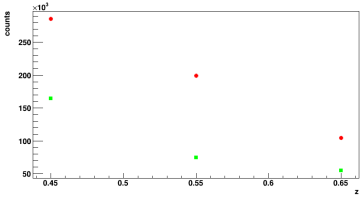


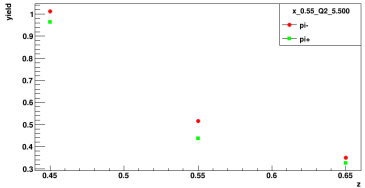
HMS Cut
-10<dp<10
0.8<E/p<2.0
cer>1.0

SHMS Cut
-10<dp<22
pr<0.2
E/p<0.6
hgcer>1.0 or
aero>1.0 & shms_p<2.7

Event type 4 (COIN)
x_Q2_0.55_4.764



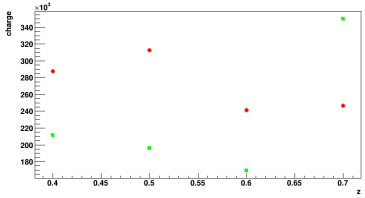


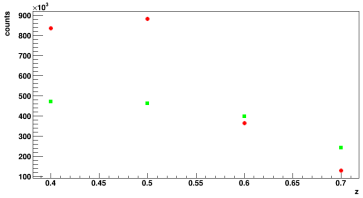


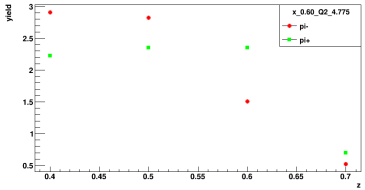
HMS Cut
-10<dp<10
0.8<E/p<2.0
cer>1.0

SHMS Cut
-10<dp<22
pr<0.2
E/p<0.6
hgcer>1.0 or
aero>1.0 & shms_p<2.7

Event type 4 (COIN)
x_Q2_0.55_5.500

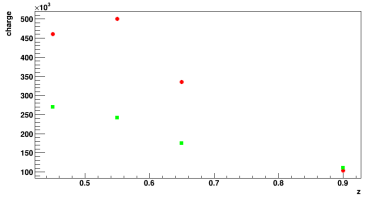


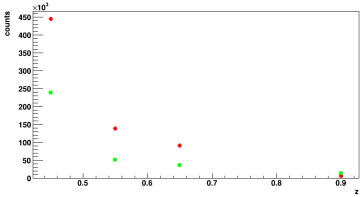


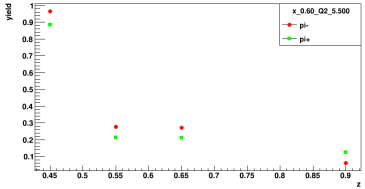


HMS Cut	SHMS Cut
-10<dp<10	-10<dp<22
0.8<E/p<2.0	pr<0.2
cer>1.0	E/p<0.6
	hgcer>1.0 or
	aero>1.0 & shms_p<2.7

Event type 4 (COIN)
x_Q2_0.60_4.775



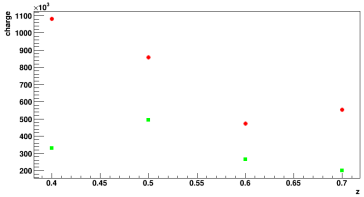


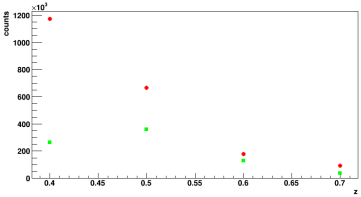


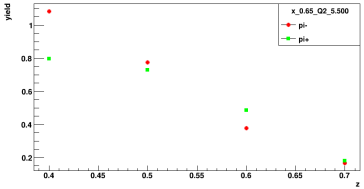
HMS Cut
-10<dp<10
0.8<E/p<2.0
cer>1.0

SHMS Cut
-10<dp<22
pr<0.2
E/p<0.6
hgcer>1.0 or
aero>1.0 & shms_p<2.7

Event type 4 (COIN)
x_Q2_0.60_5.500



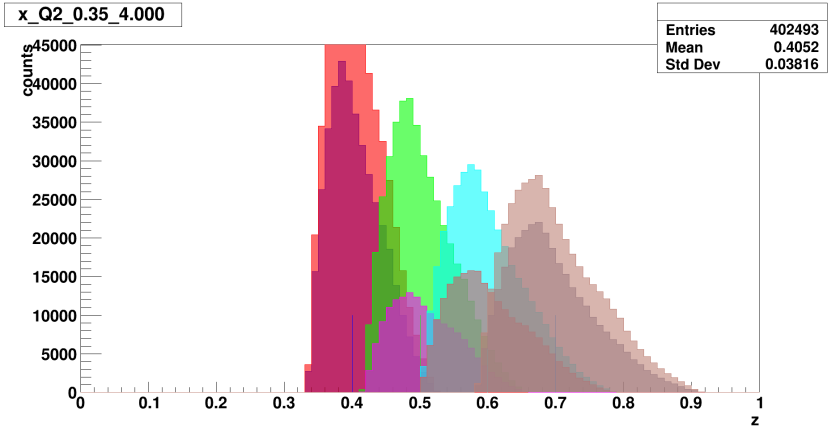


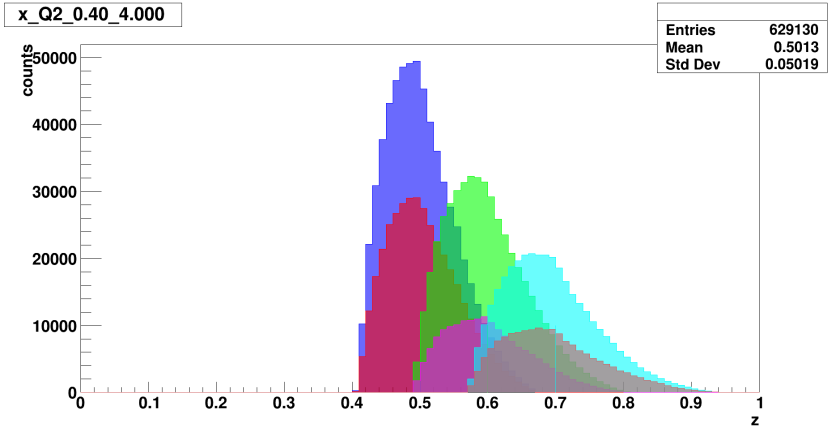


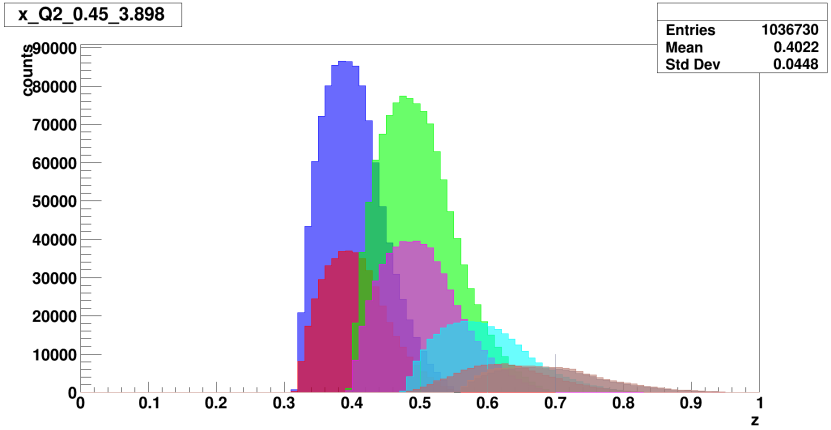
HMS Cut
-10<dp<10
0.8<E/p<2.0
cer>1.0

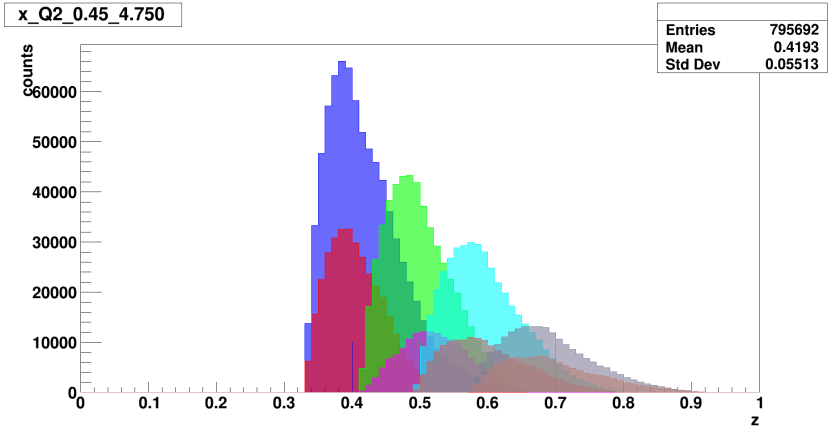
SHMS Cut
-10<dp<22
pr<0.2
E/p<0.6
hgcer>1.0 or
aero>1.0 & shms_p<2.7

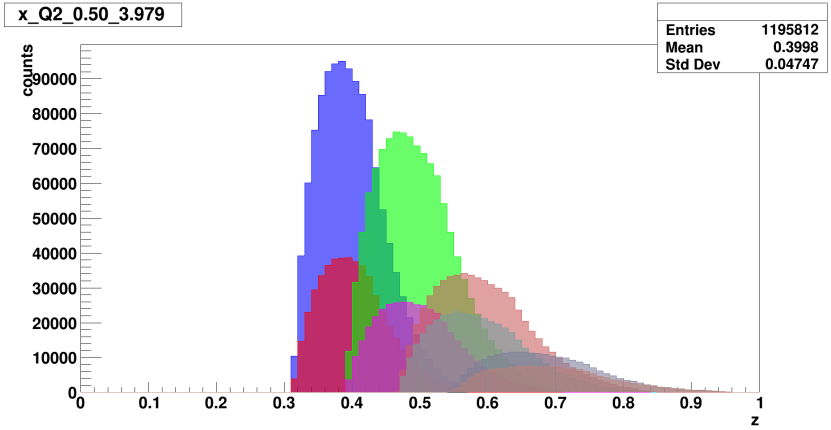
Event type 4 (COIN)
x_Q2_0.65_5.500

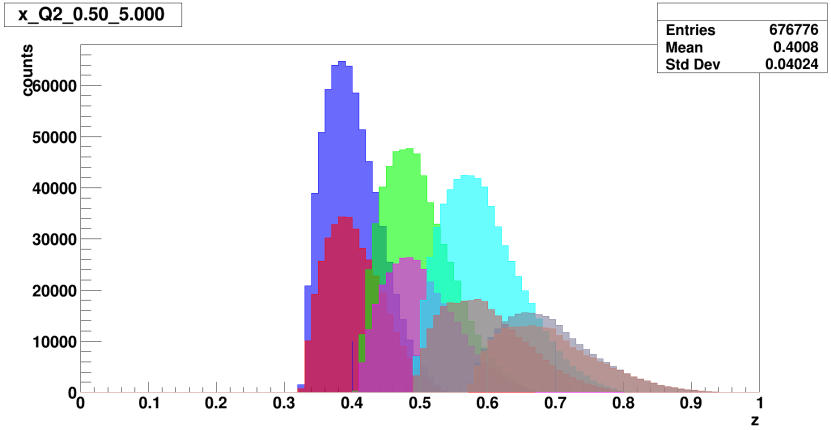

x_Q2_0.35_4.000
Entries 402493
Mean 0.4052
Std Dev 0.03816
counts
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
z

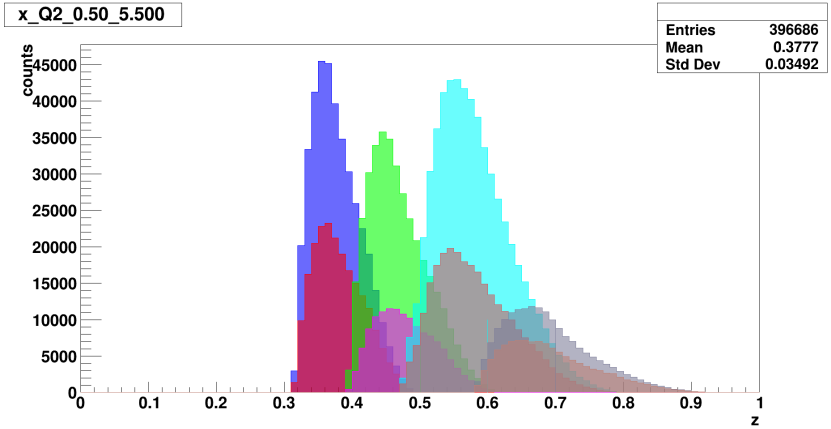

x_Q2_0.40_4.000
Entries 629130
Mean 0.5013
Std Dev 0.05019
counts
50000
40000
30000
20000
10000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
z

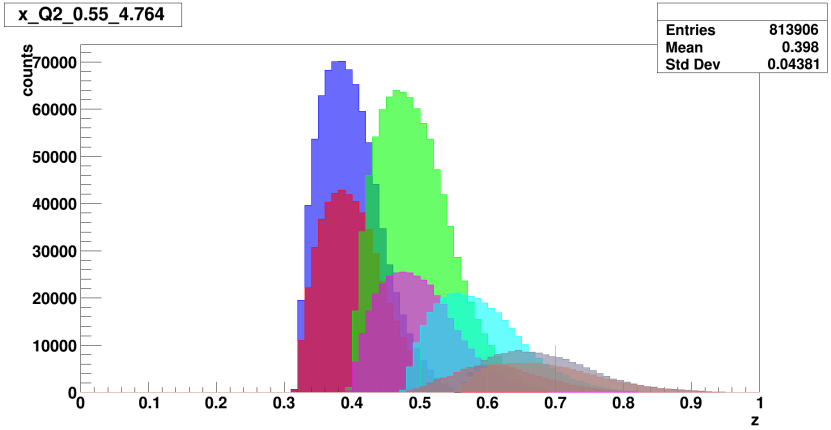

x_Q2_0.45_3.898
Entries 1036730
Mean 0.4022
Std Dev 0.0448
counts
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
z

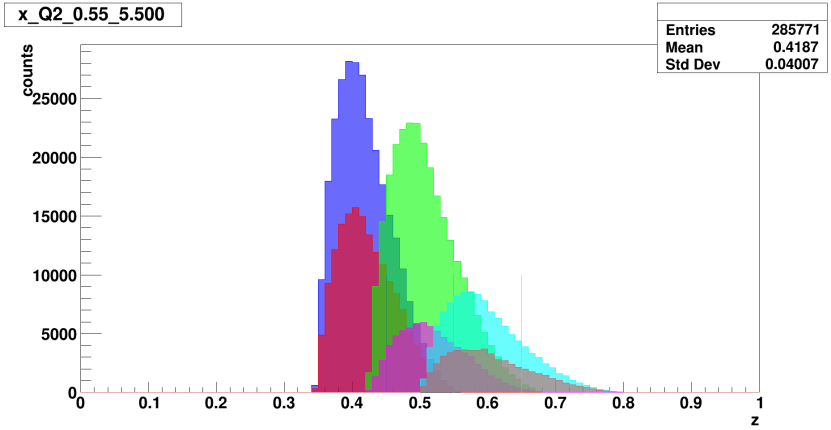

x_Q2_0.45_4.750
Entries 795692
Mean 0.4193
Std Dev 0.05513
counts
60000
50000
40000
30000
20000
10000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
z

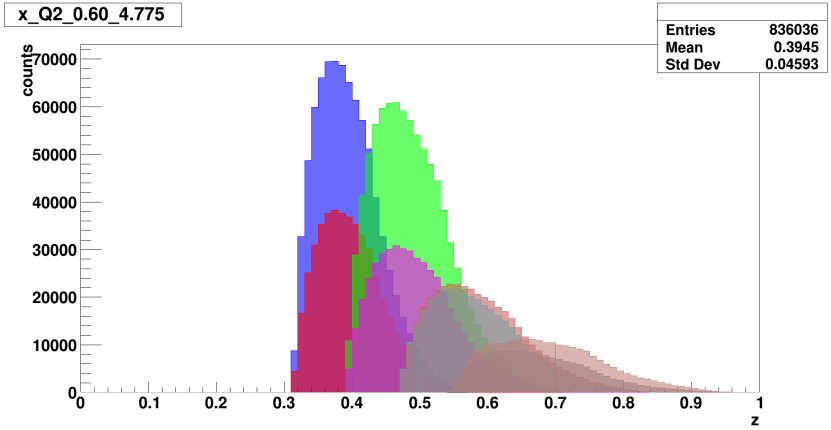

x_Q2_0.50_3.979
Entries 1195812
Mean 0.3998
Std Dev 0.04747
counts
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
z

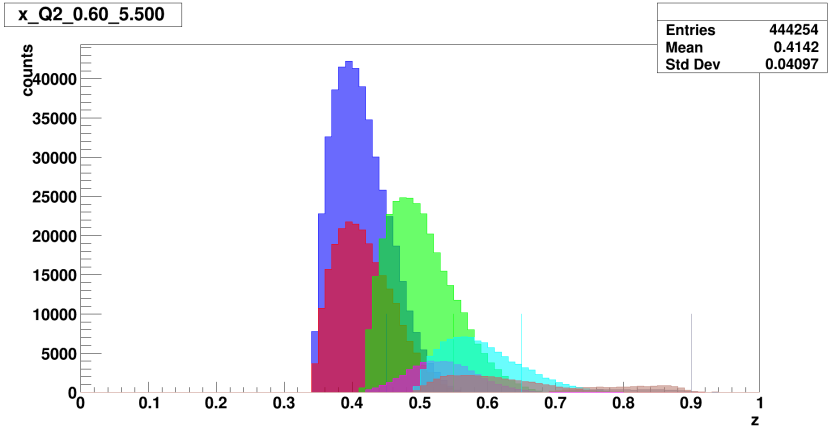

x_Q2_0.50_5.000
Entries 676776
Mean 0.4008
Std Dev 0.04024
counts
60000
50000
40000
30000
20000
10000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
z

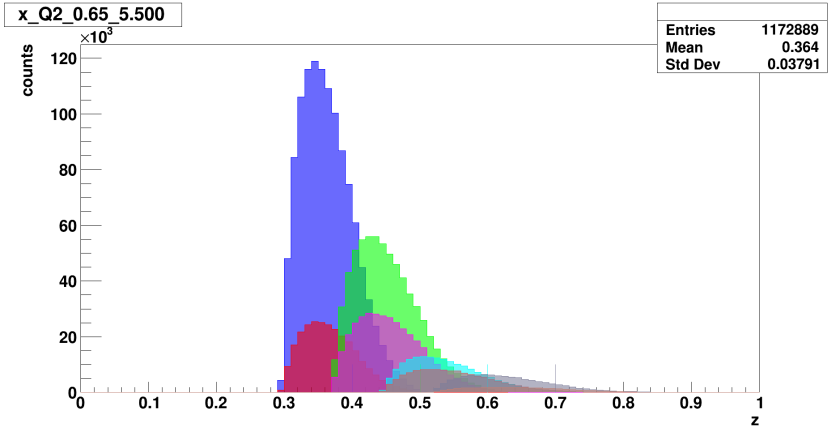

x_Q2_0.50_5.500
Entries 396686
Mean 0.3777
Std Dev 0.03492
counts
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
z


x_Q2_0.55_4.764
Entries 813906
Mean 0.398
Std Dev 0.04381
counts
70000
60000
50000
40000
30000
20000
10000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
z


x_Q2_0.55_5.500
Entries 285771
Mean 0.4187
Std Dev 0.04007
counts
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
z


x_Q2_0.60_4.775
Entries 836036
Mean 0.3945
Std Dev 0.04593
counts
70000
60000
50000
40000
30000
20000
10000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
z


x_Q2_0.60_5.500
Entries 444254
Mean 0.4142
Std Dev 0.04097
counts
40000
35000
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
z


x_Q2_0.65_5.500
Entries 1172889
Mean 0.364
Std Dev 0.03791
counts
×10^3
120
100
80
60
40
20
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
z