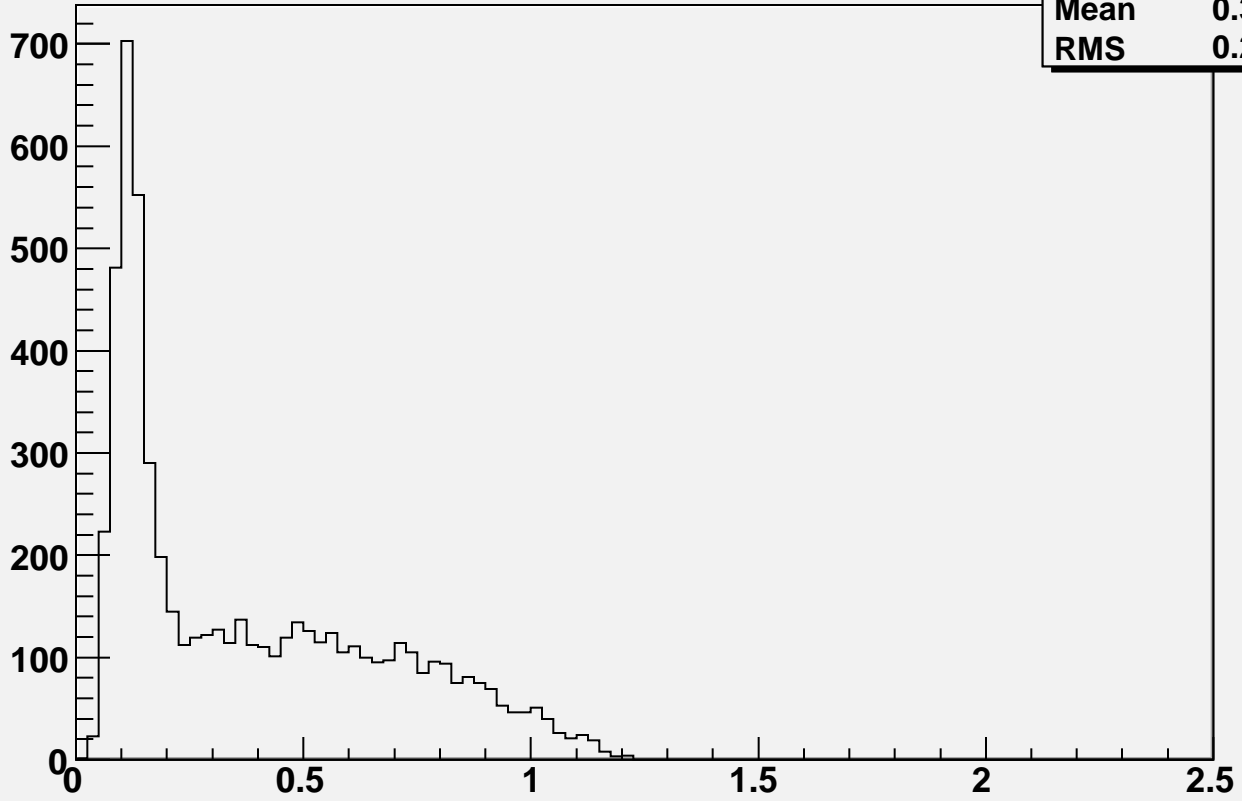


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.900000) < .05$

h1

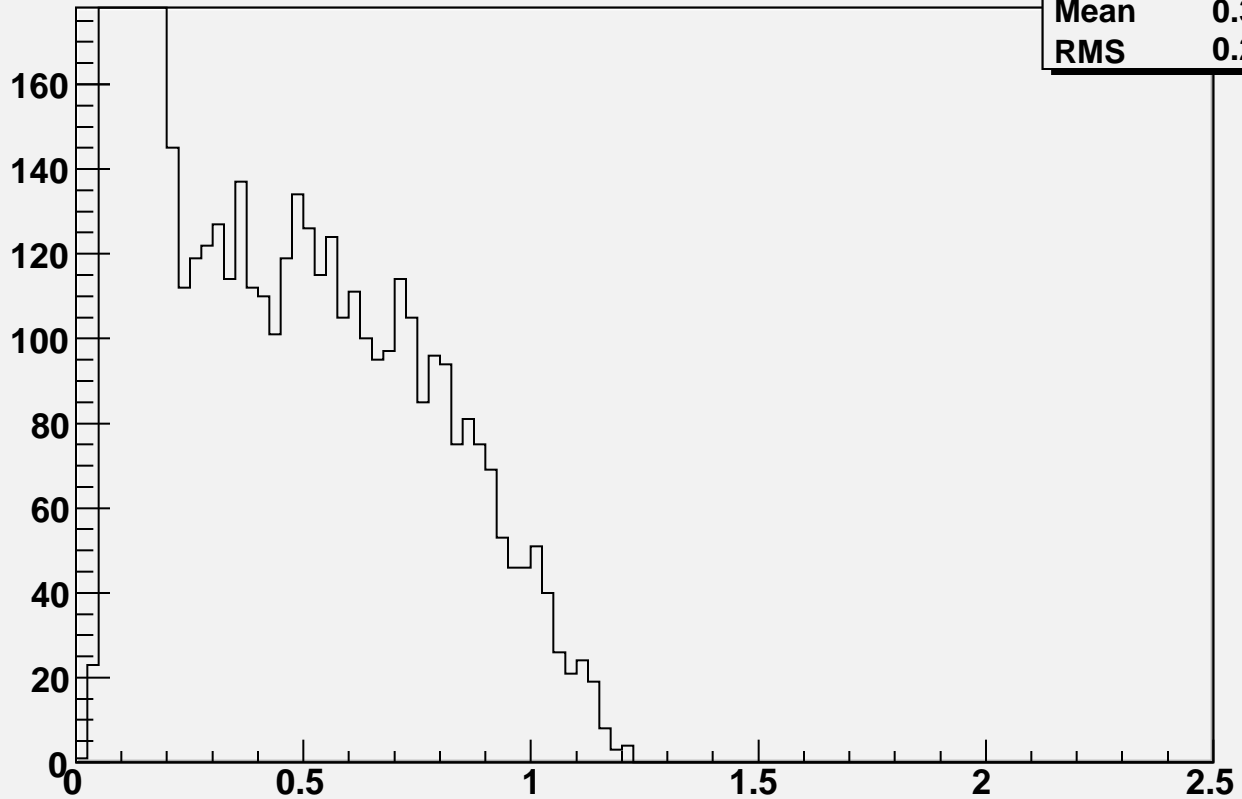
Entries	5931
Mean	0.3889
RMS	0.2943



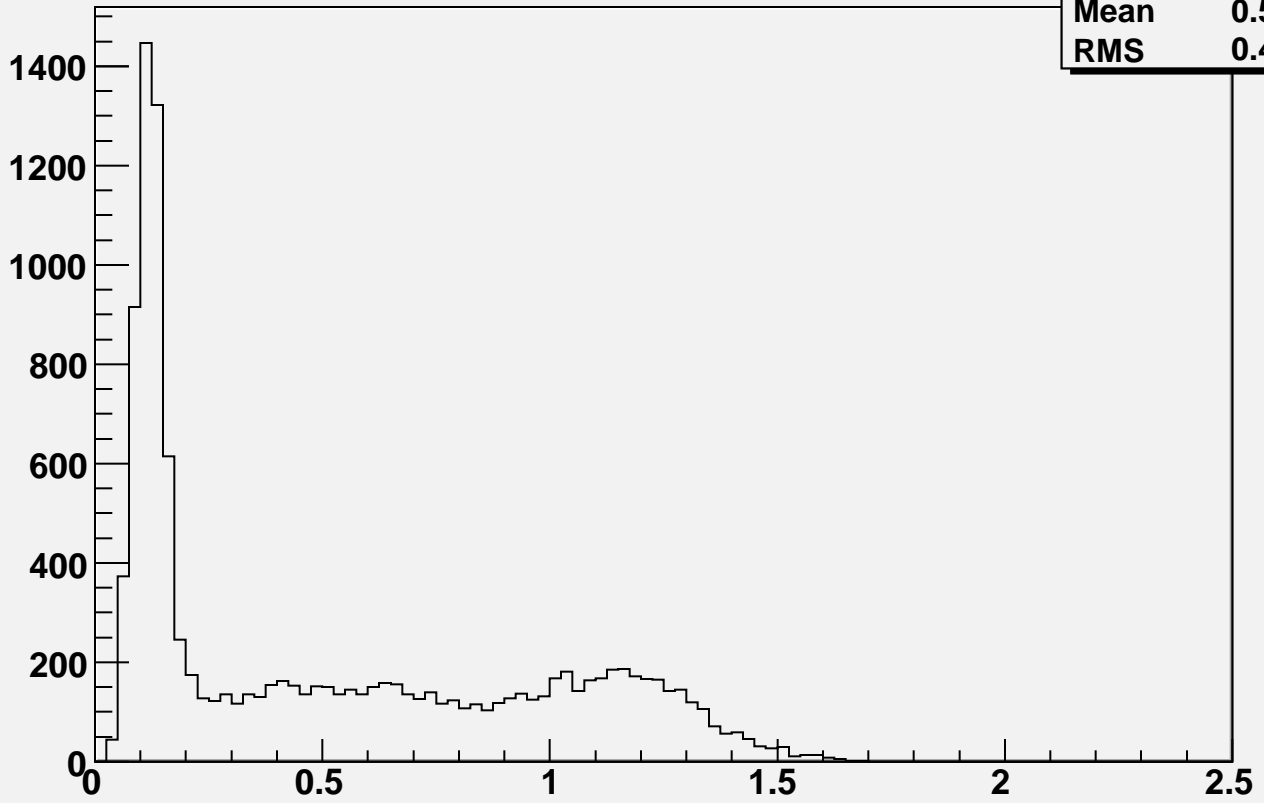
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.900000) < .05$

h2

Entries	5931
Mean	0.3889
RMS	0.2943

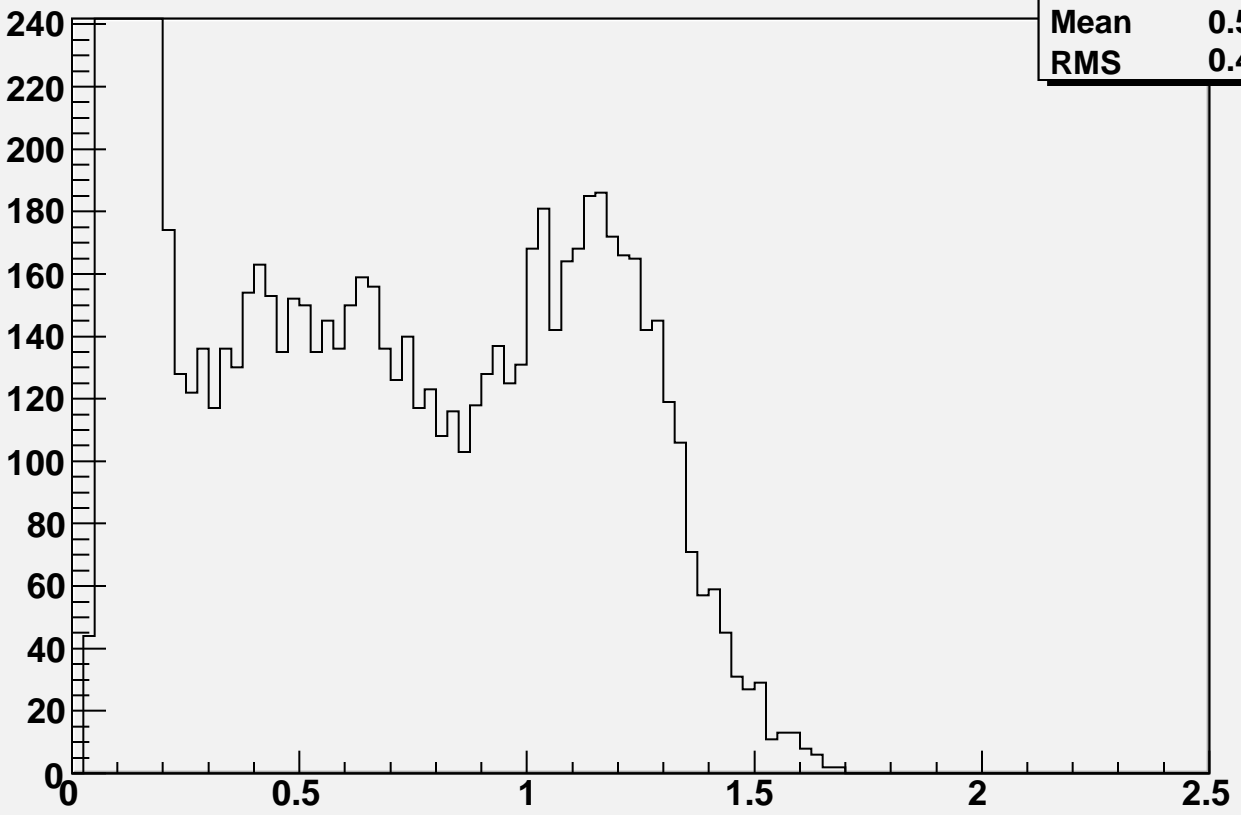


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.900000) < .05$



h1	
Entries	11883
Mean	0.5269
RMS	0.4405

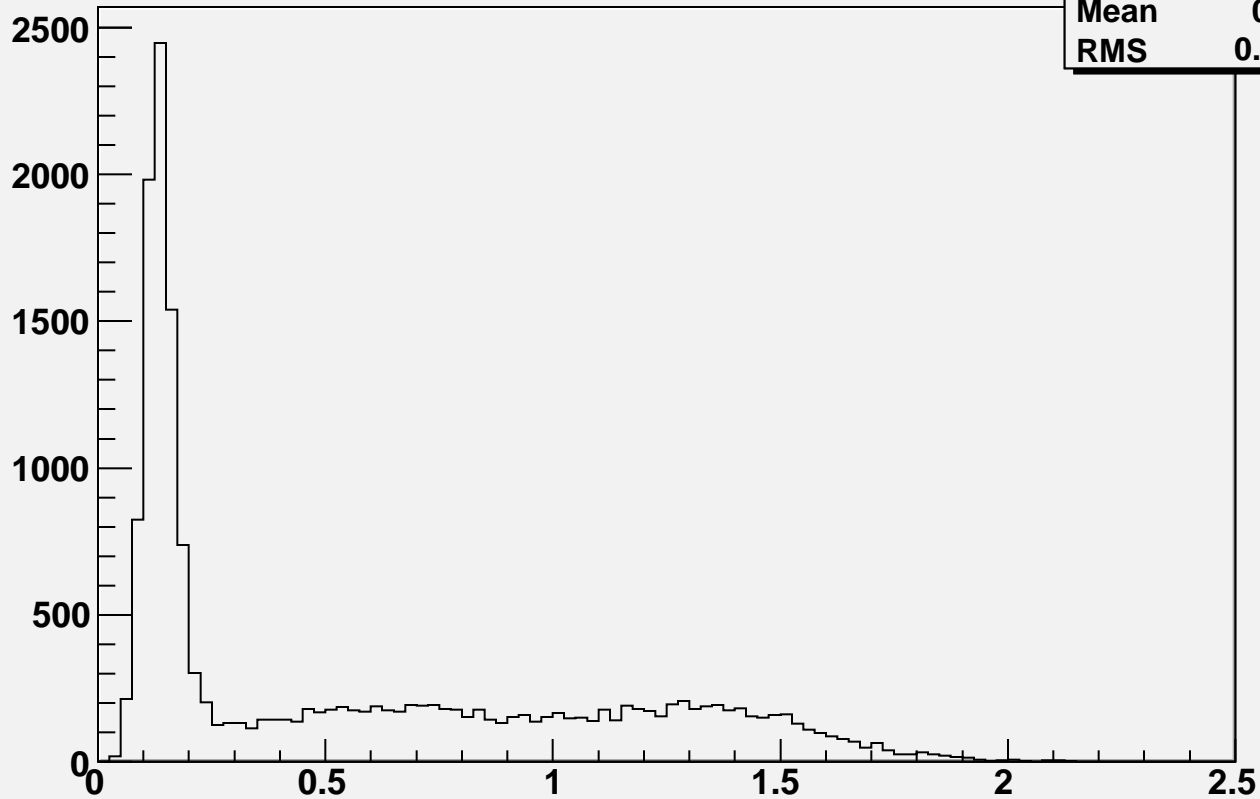
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.900000) < .05$



h2	
Entries	11883
Mean	0.5269
RMS	0.4405

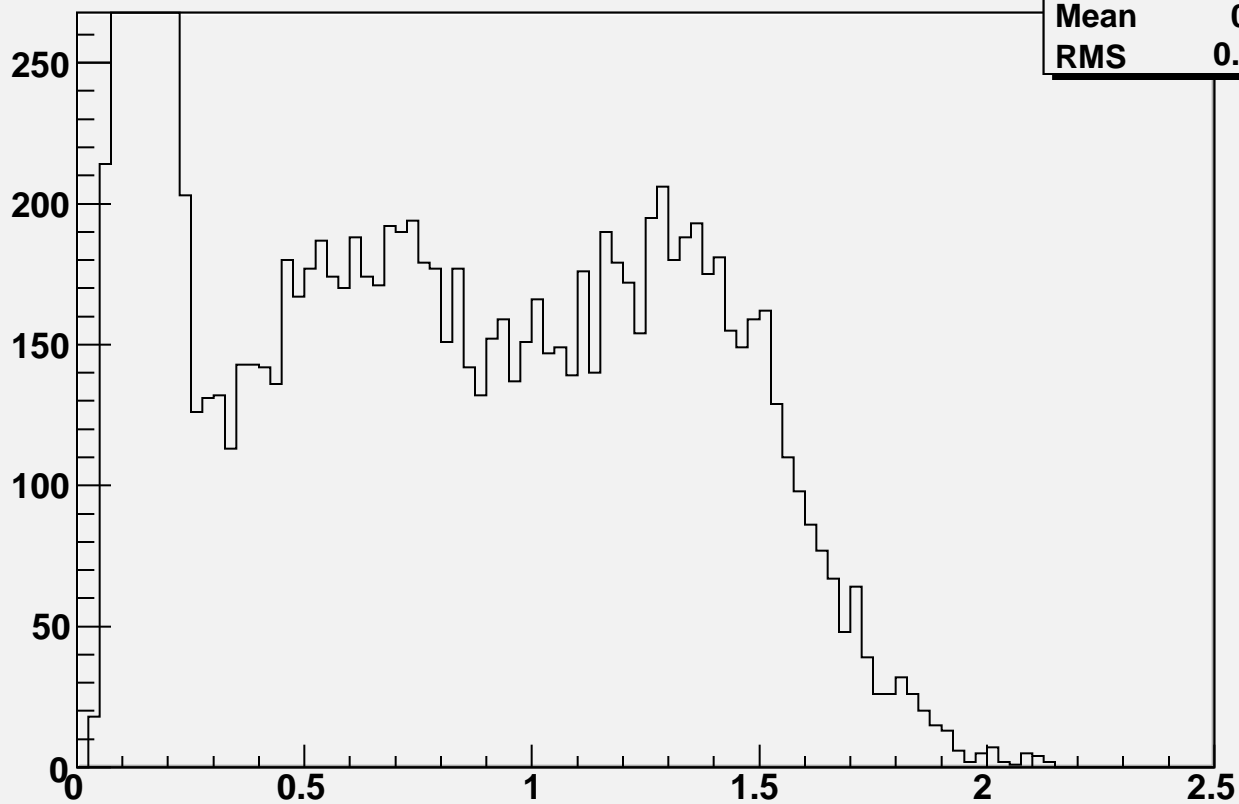
$N_{12} = 2 \text{ \&\& } Z < 0.7 \text{ \&\& } |E_{12} - 40.000000| < 5 \text{ \&\& } |\eta - 3.900000| < 0.05$

h1	
Entries	17525
Mean	0.582
RMS	0.5167

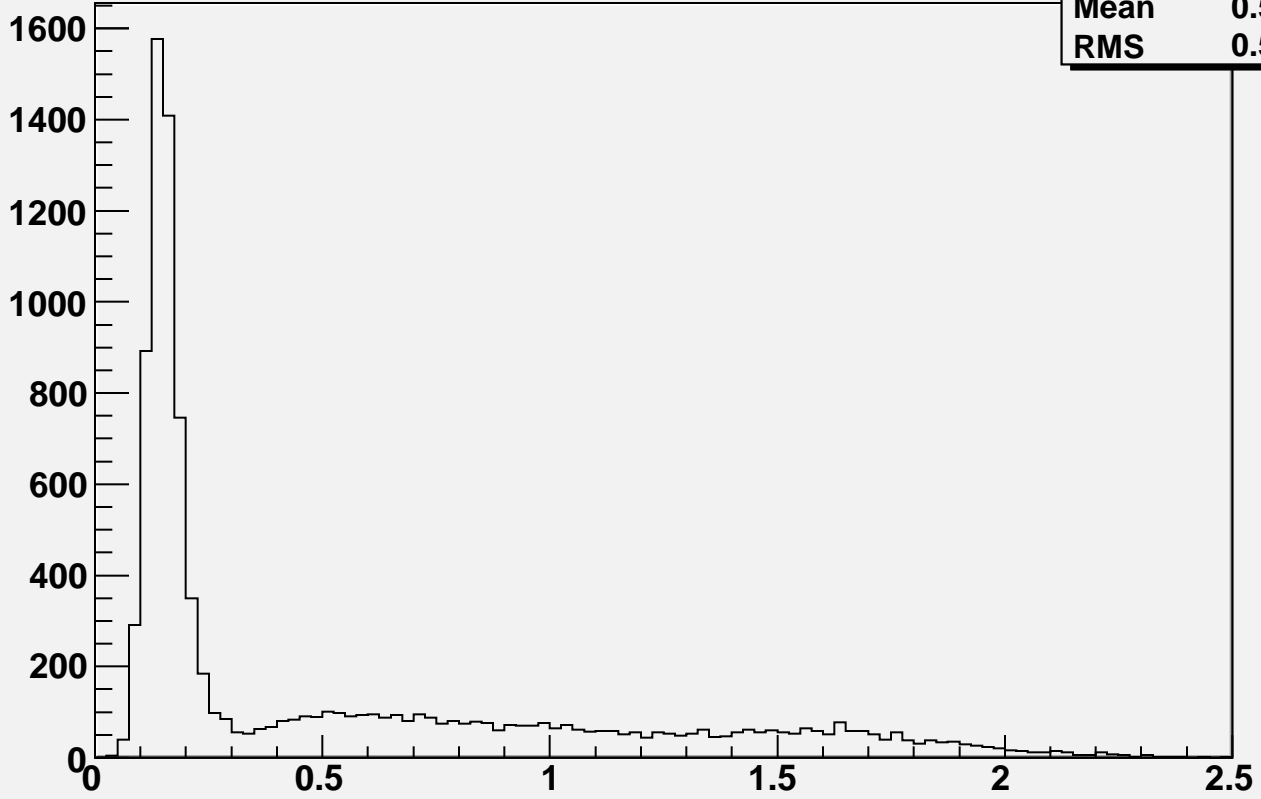


$N_{12} = 2 \text{ \&\& } Z < 0.7 \text{ \&\& } |E_{12} - 40.000000| < 5 \text{ \&\& } |\eta - 3.900000| < 0.05$

h2	
Entries	17525
Mean	0.582
RMS	0.5167

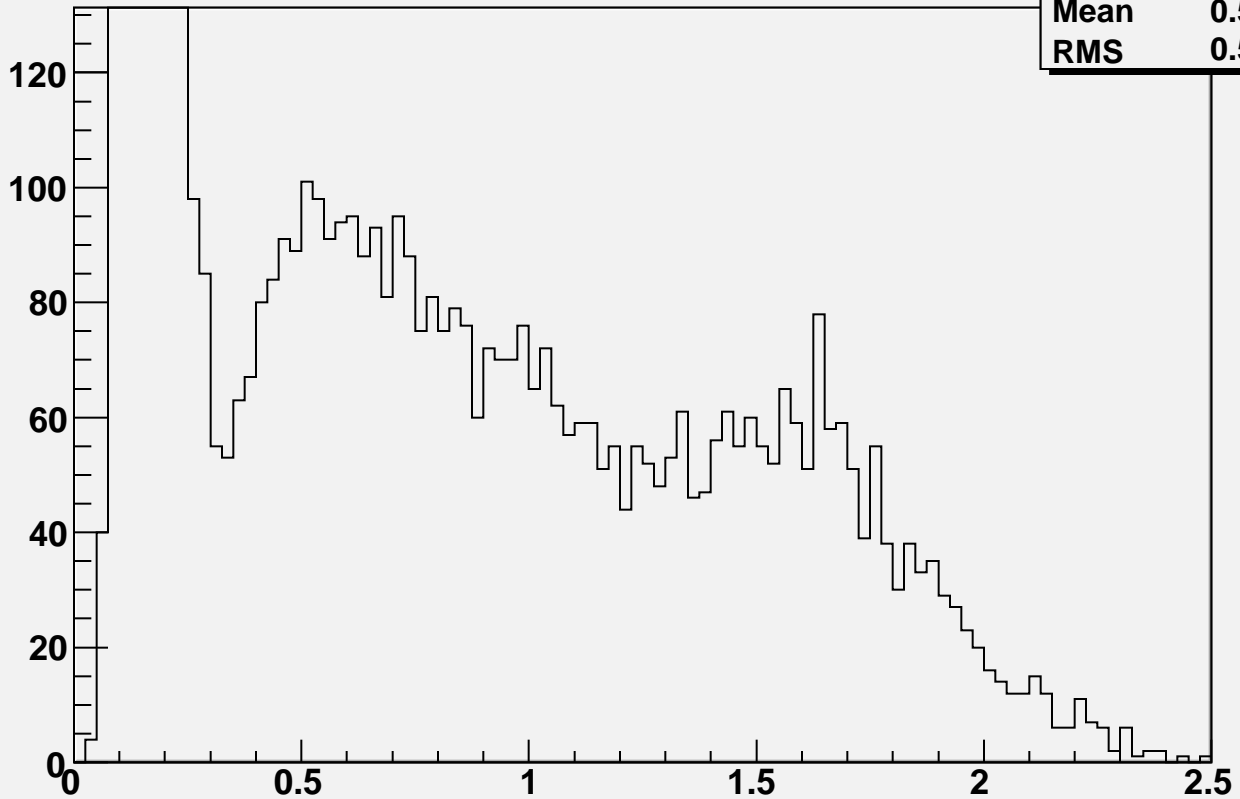


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 50.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.900000) < .05$



h1	
Entries	10064
Mean	0.5504
RMS	0.5559

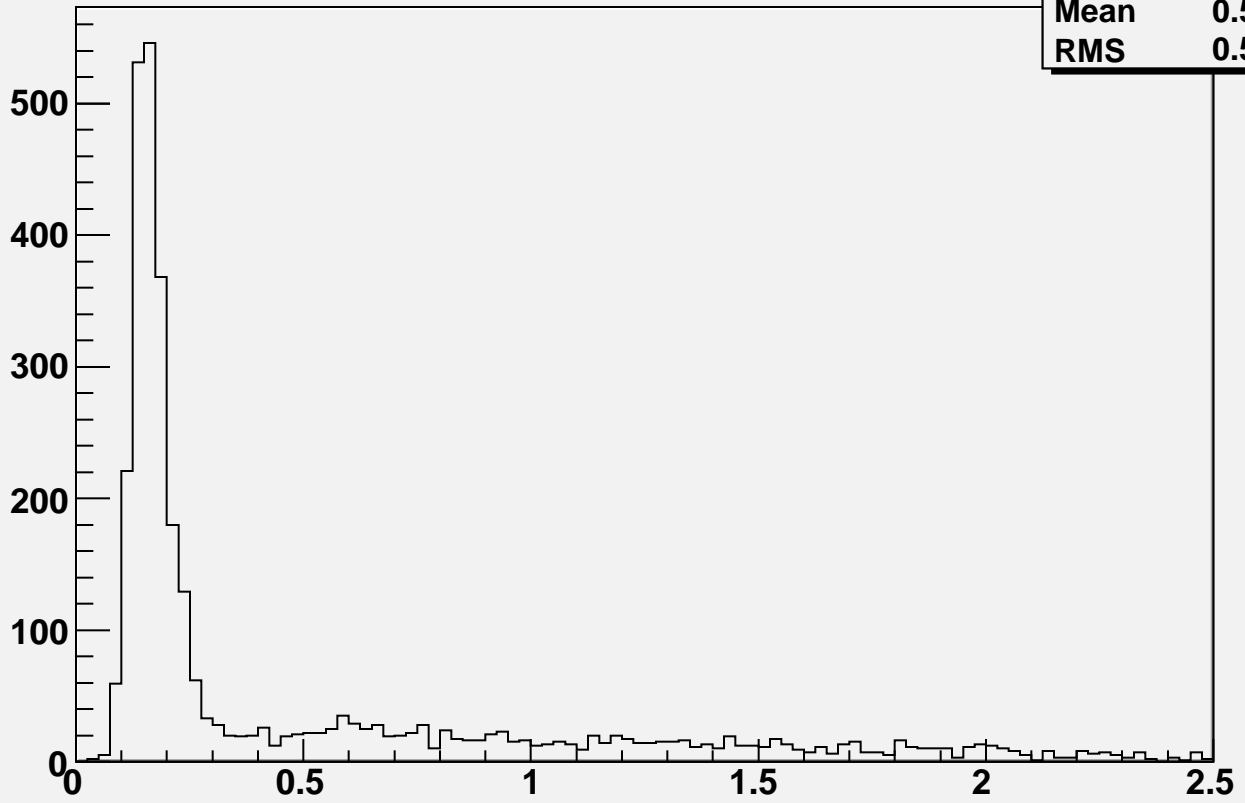
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 50.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.900000) < .05$



h2	
Entries	10064
Mean	0.5504
RMS	0.5559

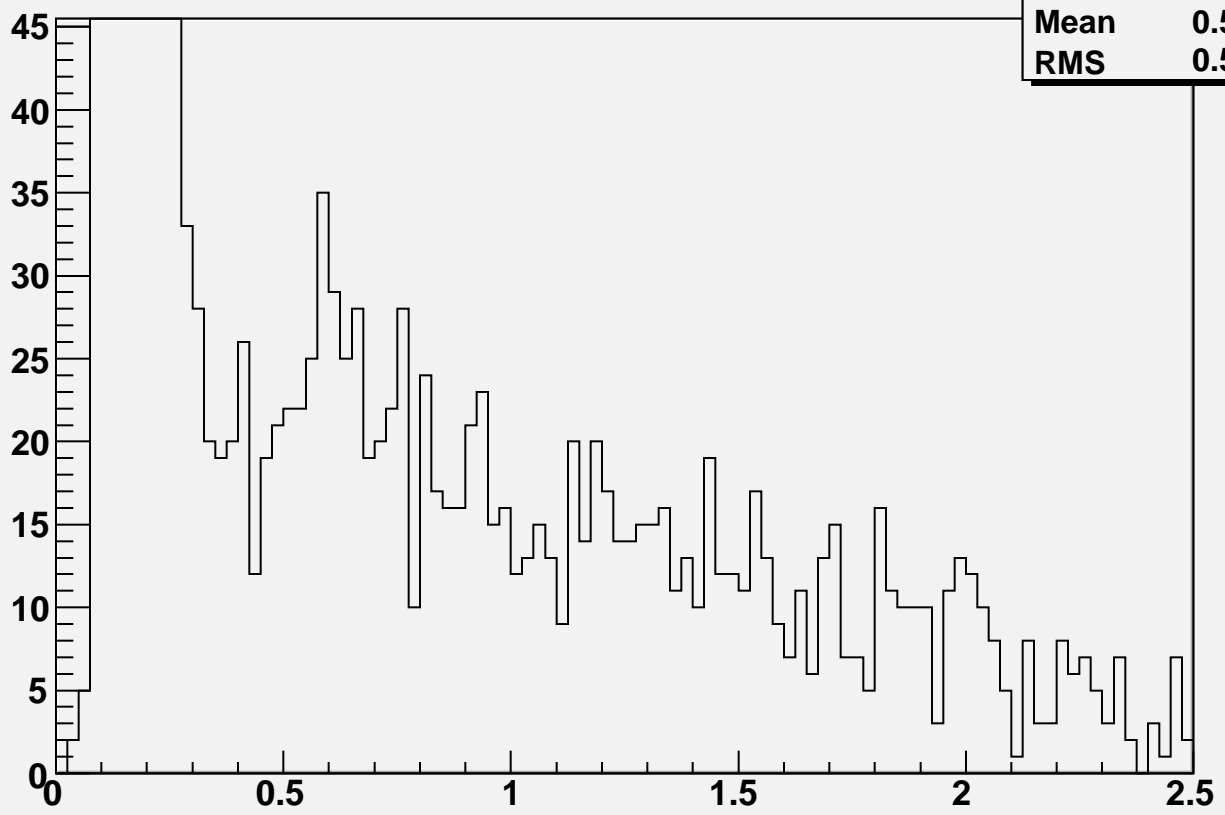
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 60.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.900000) < .05$

h1	
Entries	3345
Mean	0.5024
RMS	0.5628



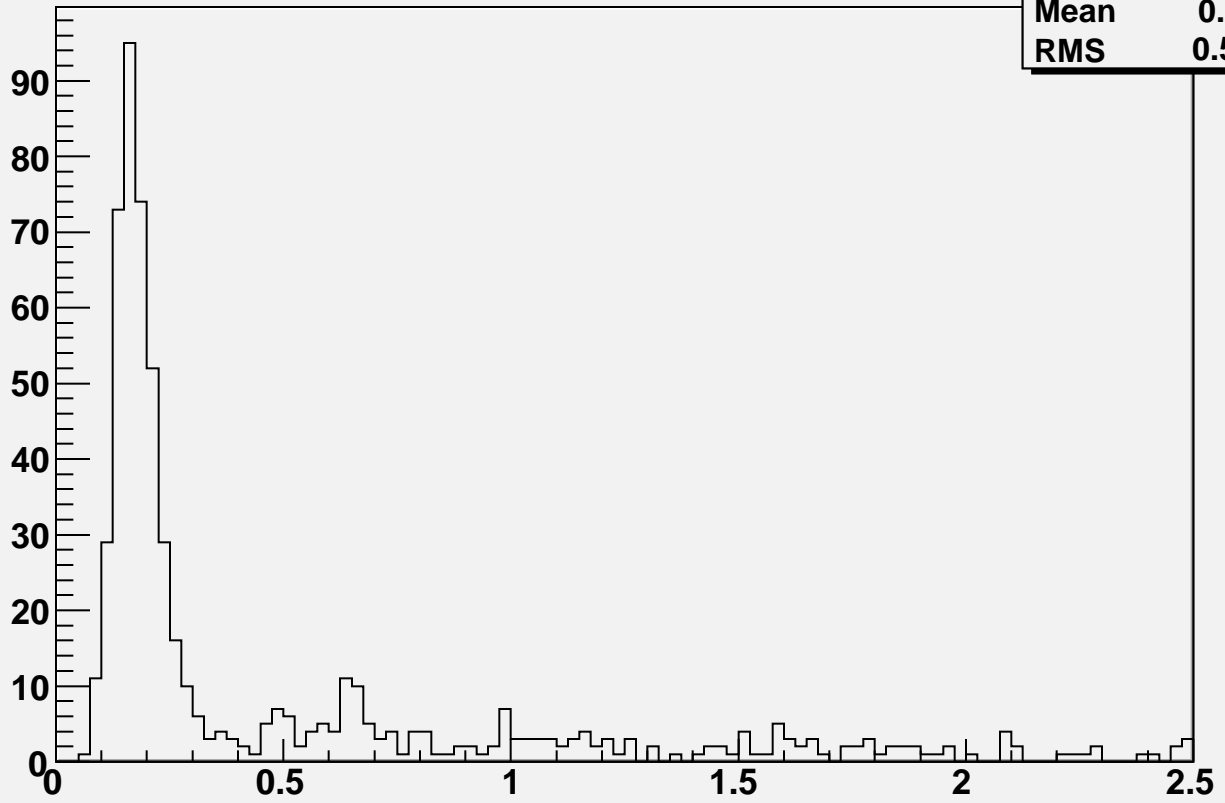
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 60.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.900000) < .05$

h2	
Entries	3345
Mean	0.5024
RMS	0.5628



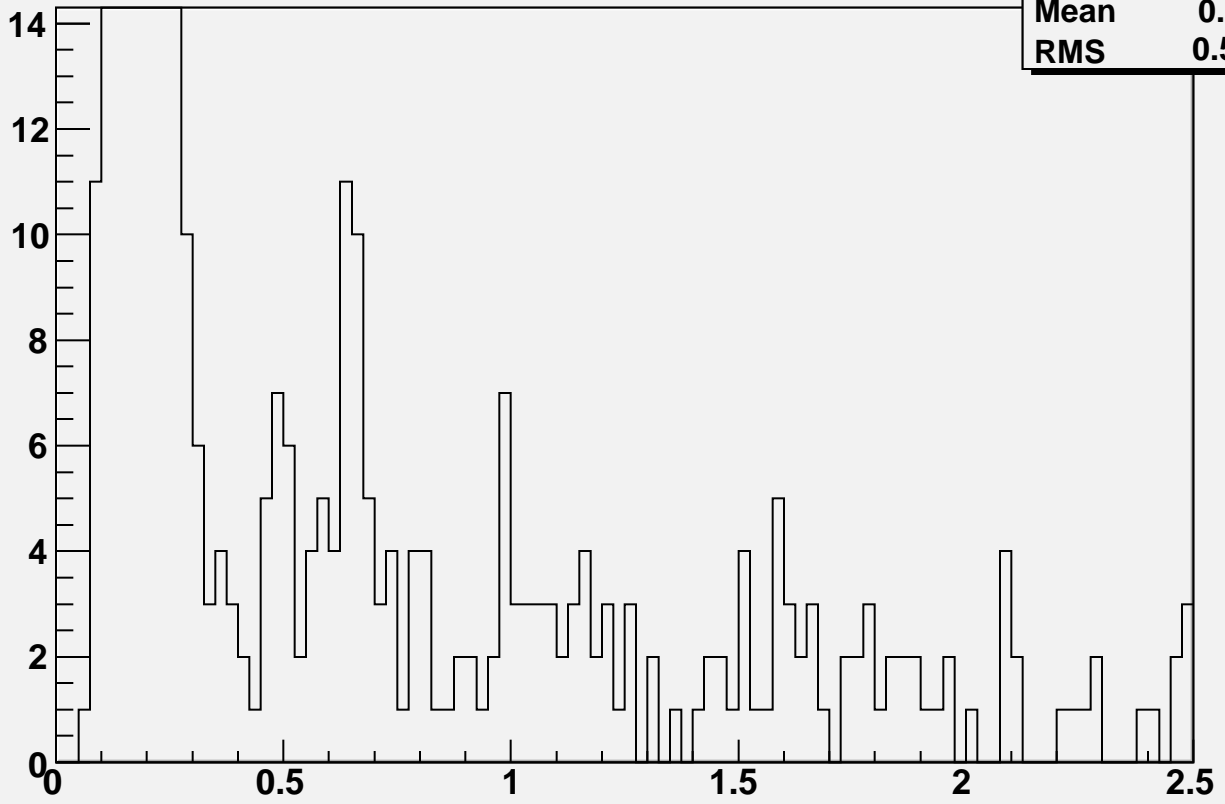
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 70.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.900000) < .05$

h1	
Entries	607
Mean	0.4901
RMS	0.5536



$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 70.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.900000) < .05$

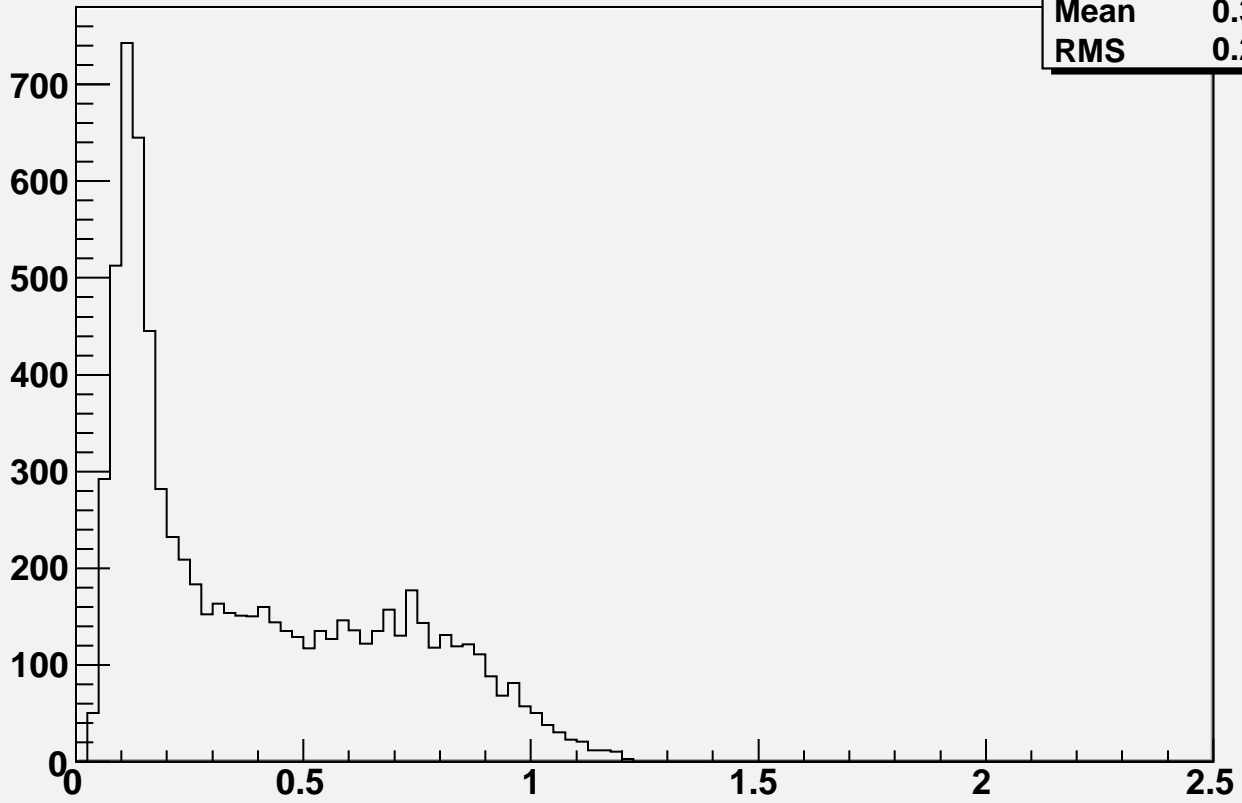
h2	
Entries	607
Mean	0.4901
RMS	0.5536



$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 20.000000) < 5. \text{ \& \& abs}(\text{Eta} - 3.800000) < .05$

h1

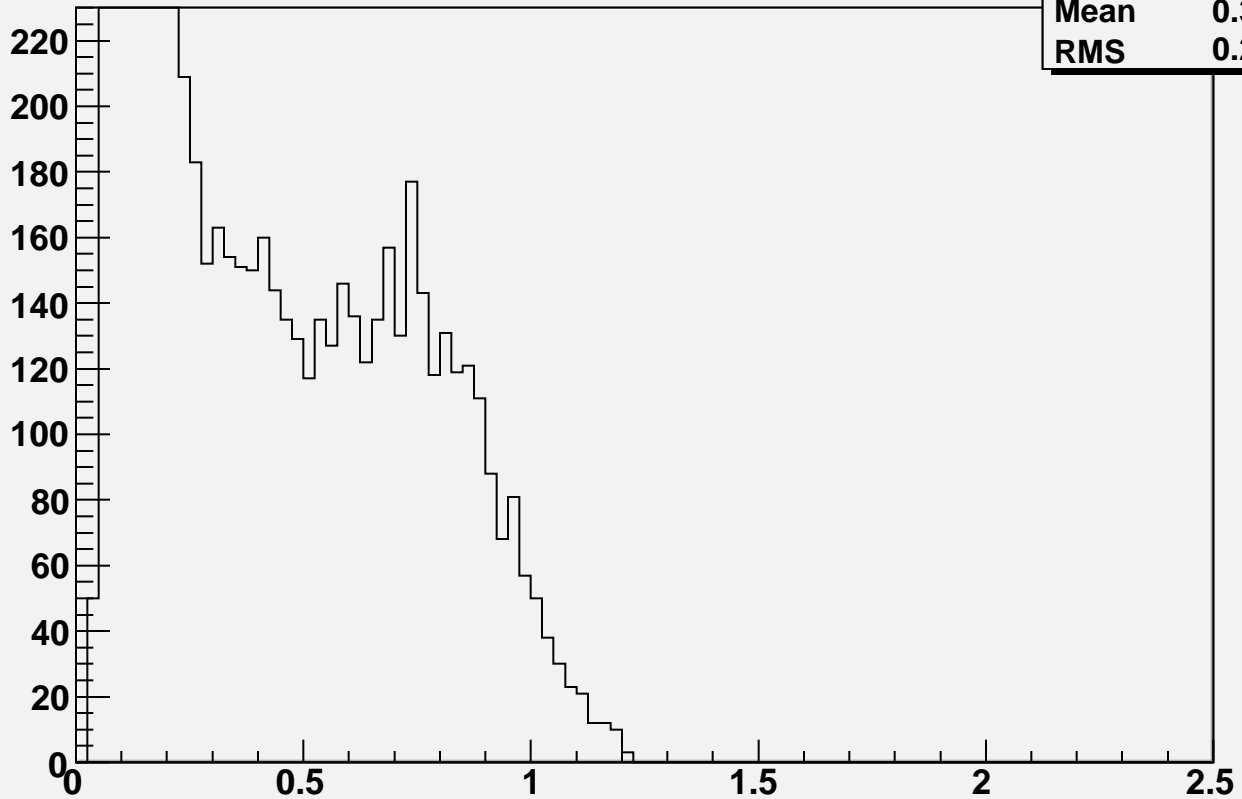
Entries	7550
Mean	0.3969
RMS	0.2933



$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 20.000000) < 5. \text{ \& \& abs}(\text{Eta} - 3.800000) < .05$

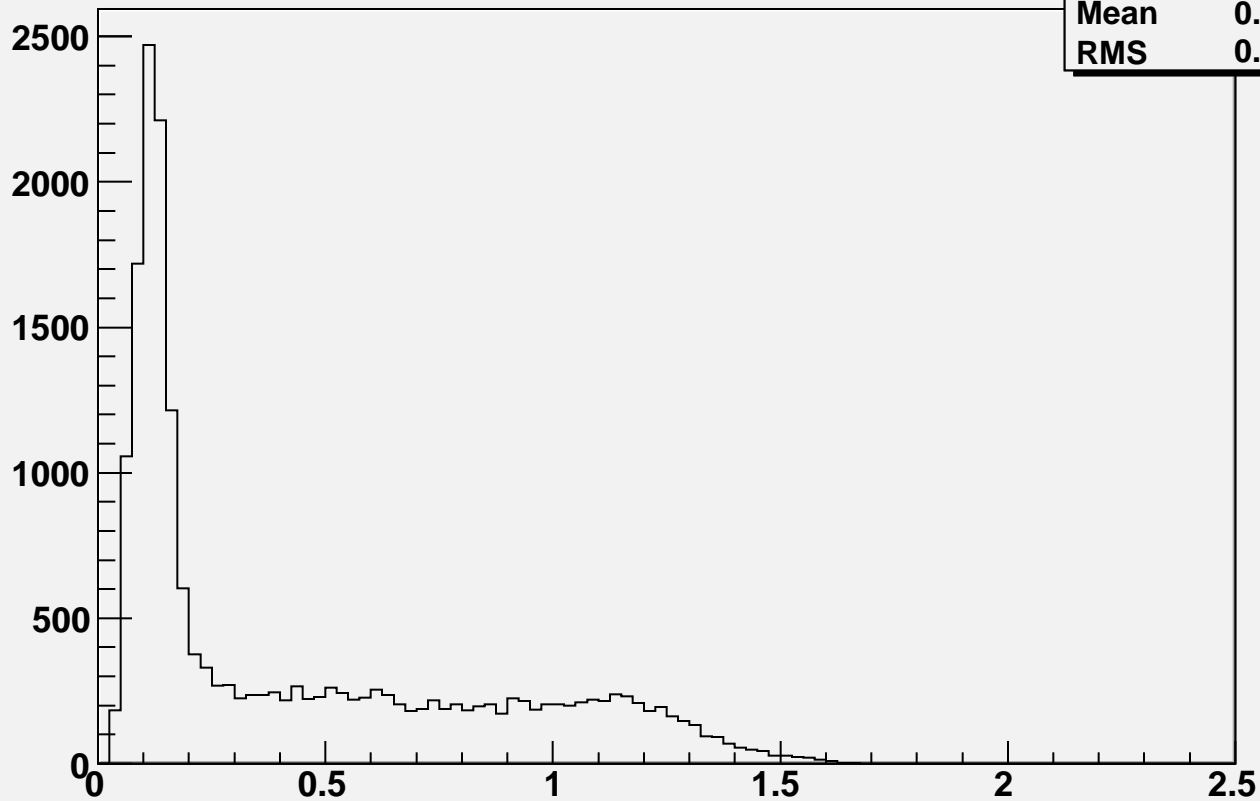
h2

Entries	7550
Mean	0.3969
RMS	0.2933



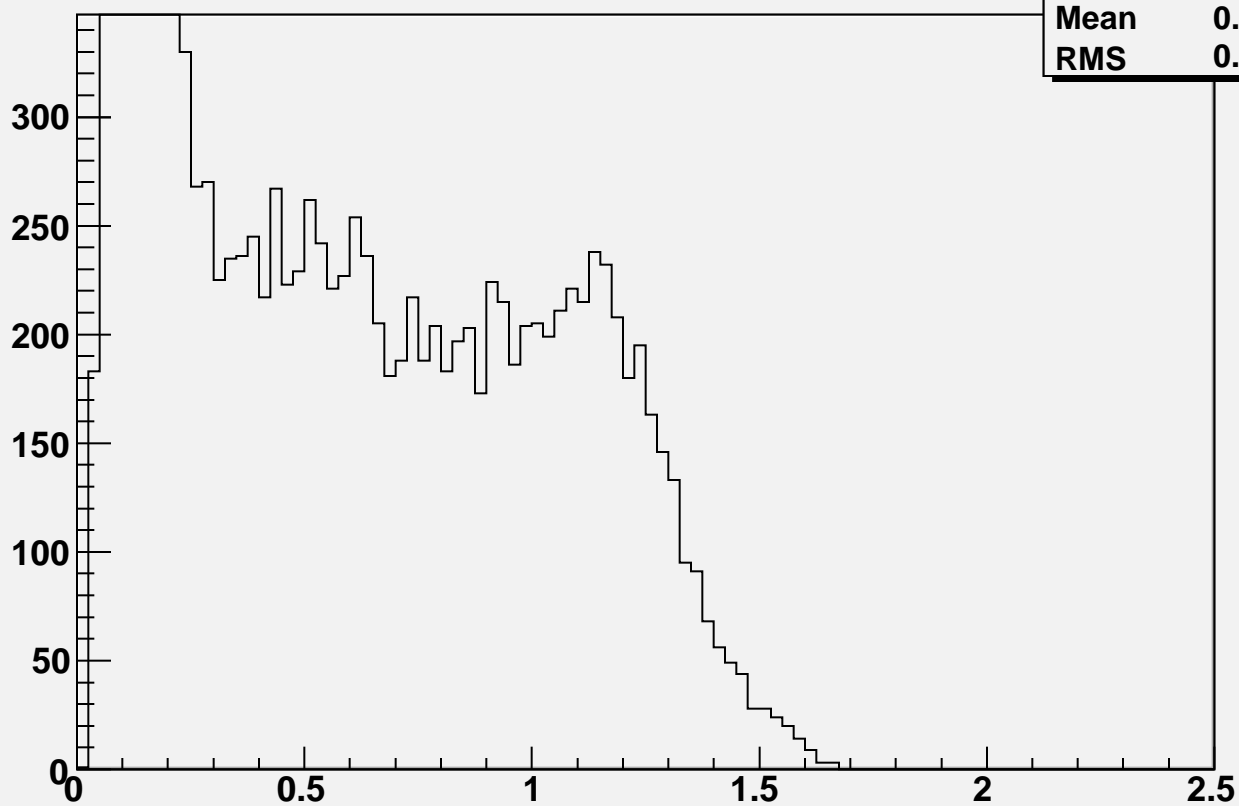
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.800000) < .05$

h1	
Entries	19869
Mean	0.4519
RMS	0.4106

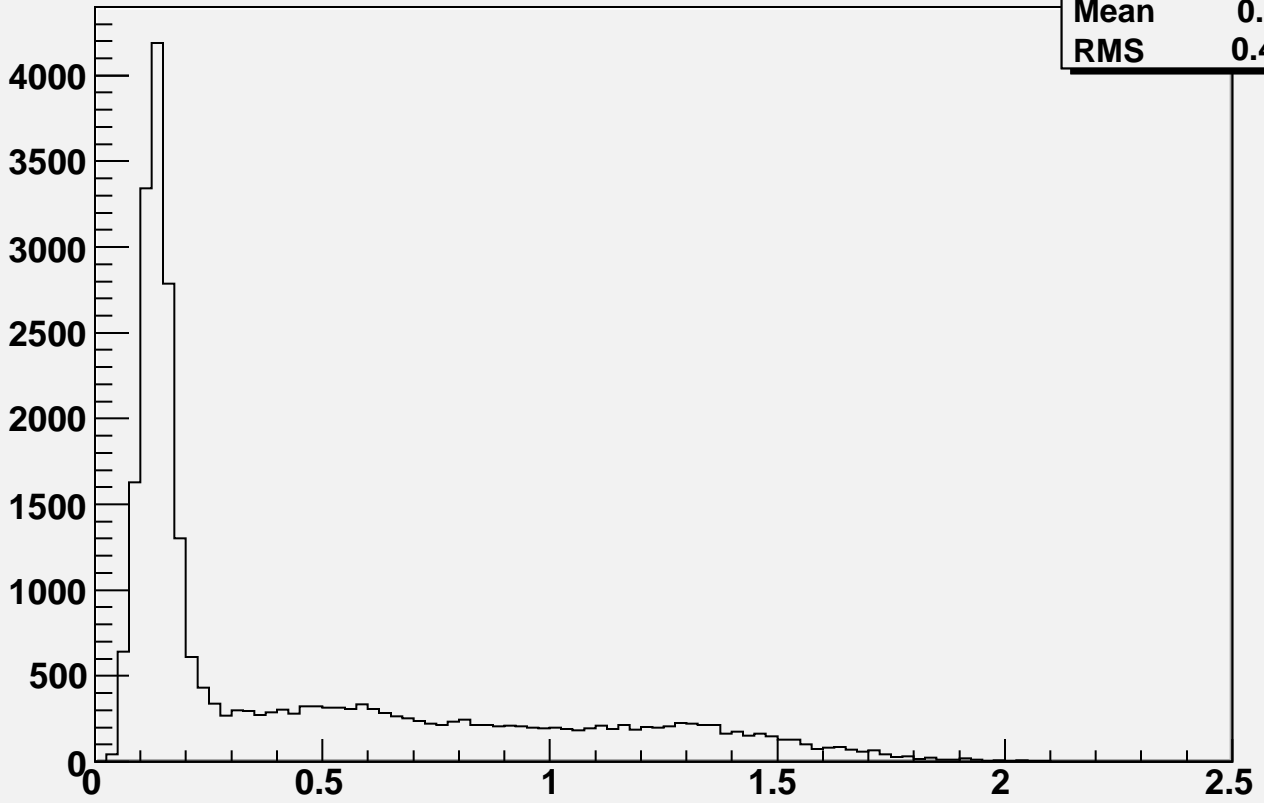


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.800000) < .05$

h2	
Entries	19869
Mean	0.4519
RMS	0.4106

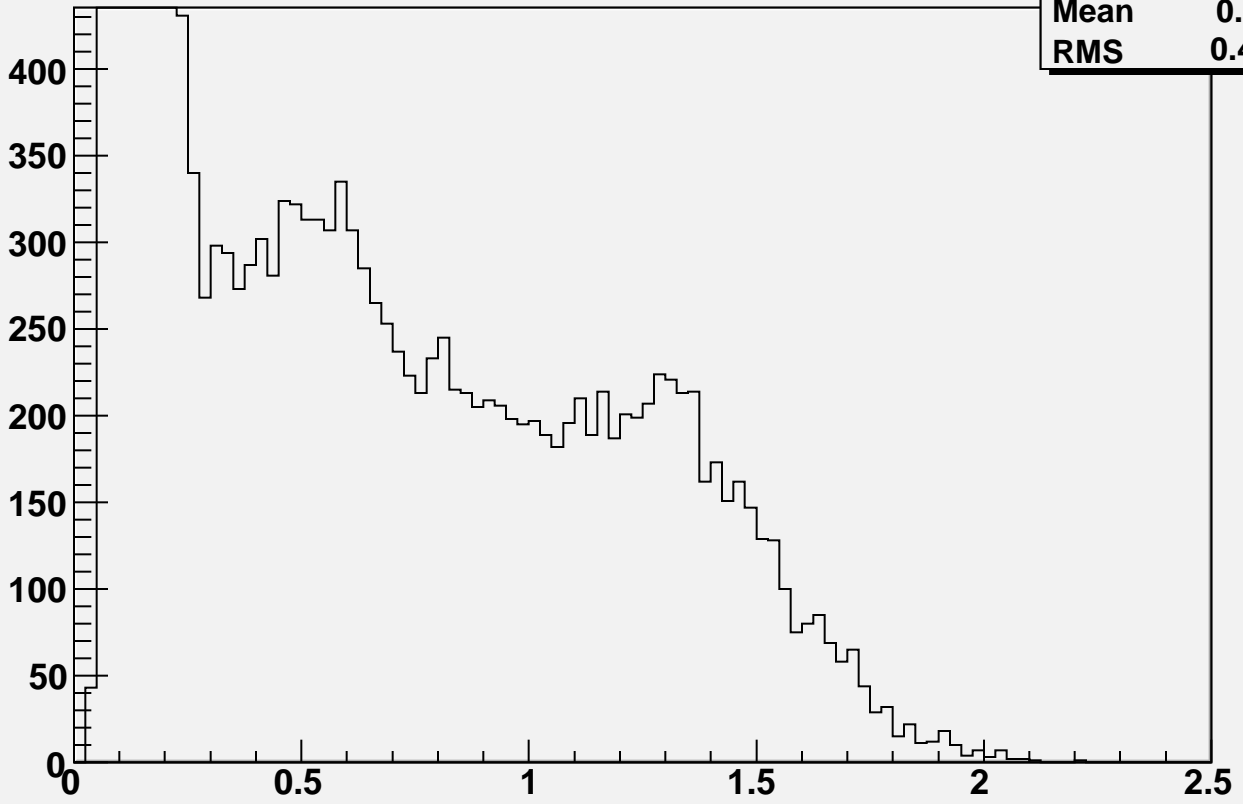


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 40.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.800000) < .05$



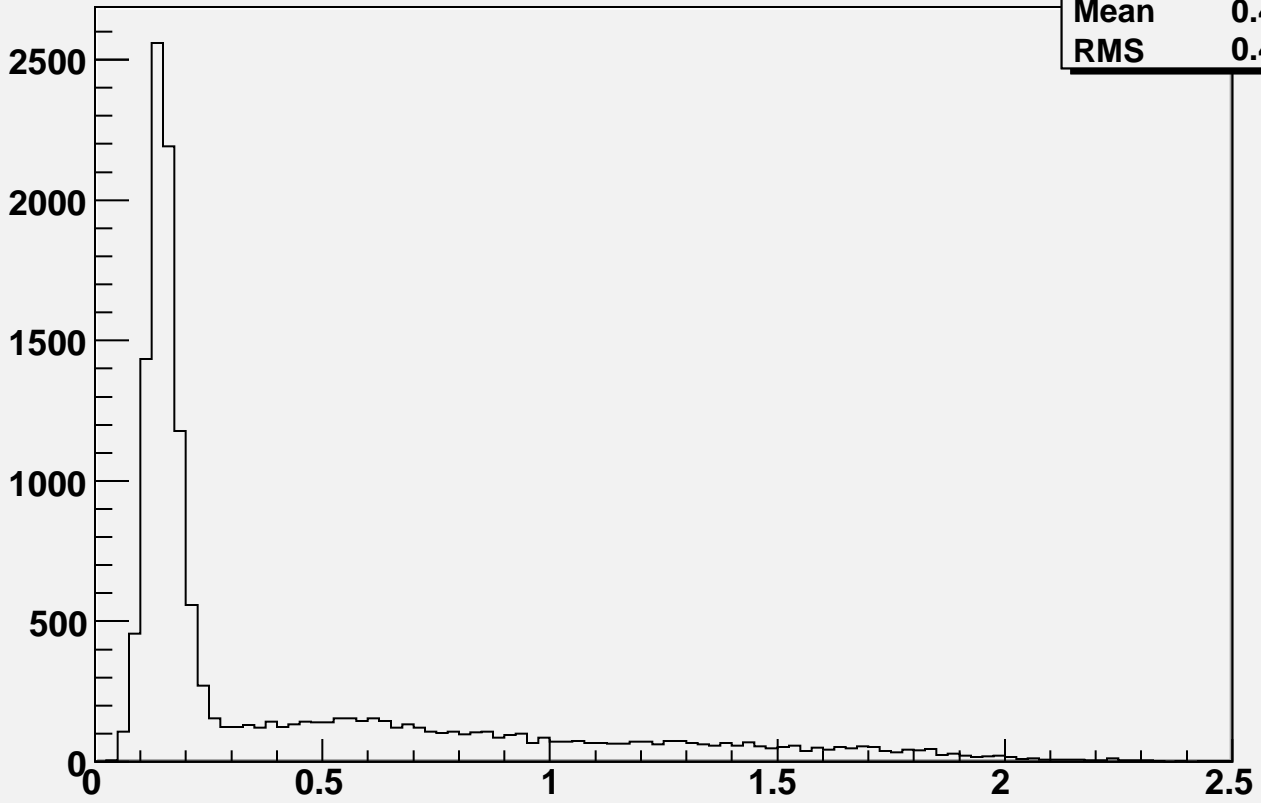
h1	
Entries	27787
Mean	0.4761
RMS	0.4619

$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 40.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.800000) < .05$



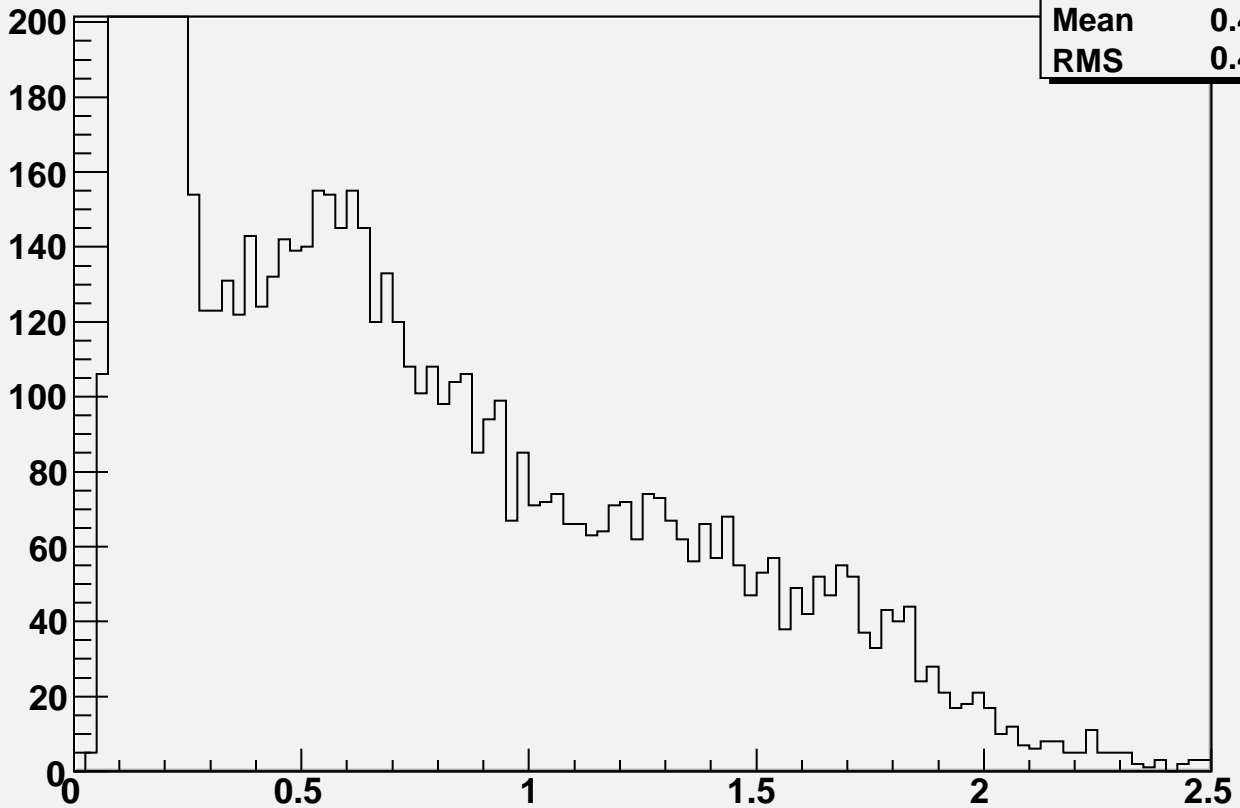
h2	
Entries	27787
Mean	0.4761
RMS	0.4619

$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 50.000000) < 5. \text{ \& \&abs}(\text{Eta} - 3.800000) < .05$



h1	
Entries	14613
Mean	0.4578
RMS	0.4862

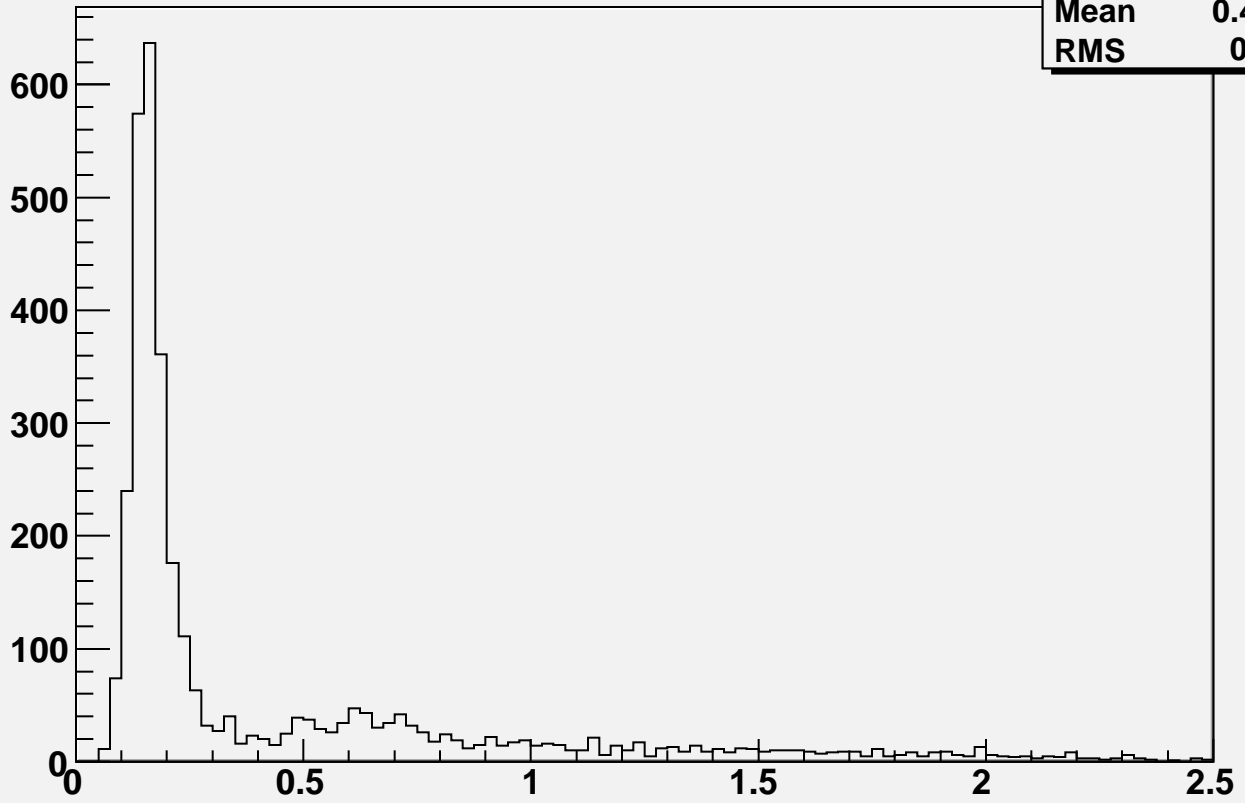
$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 50.000000) < 5. \text{ \& \&abs}(\text{Eta} - 3.800000) < .05$



h2	
Entries	14613
Mean	0.4578
RMS	0.4862

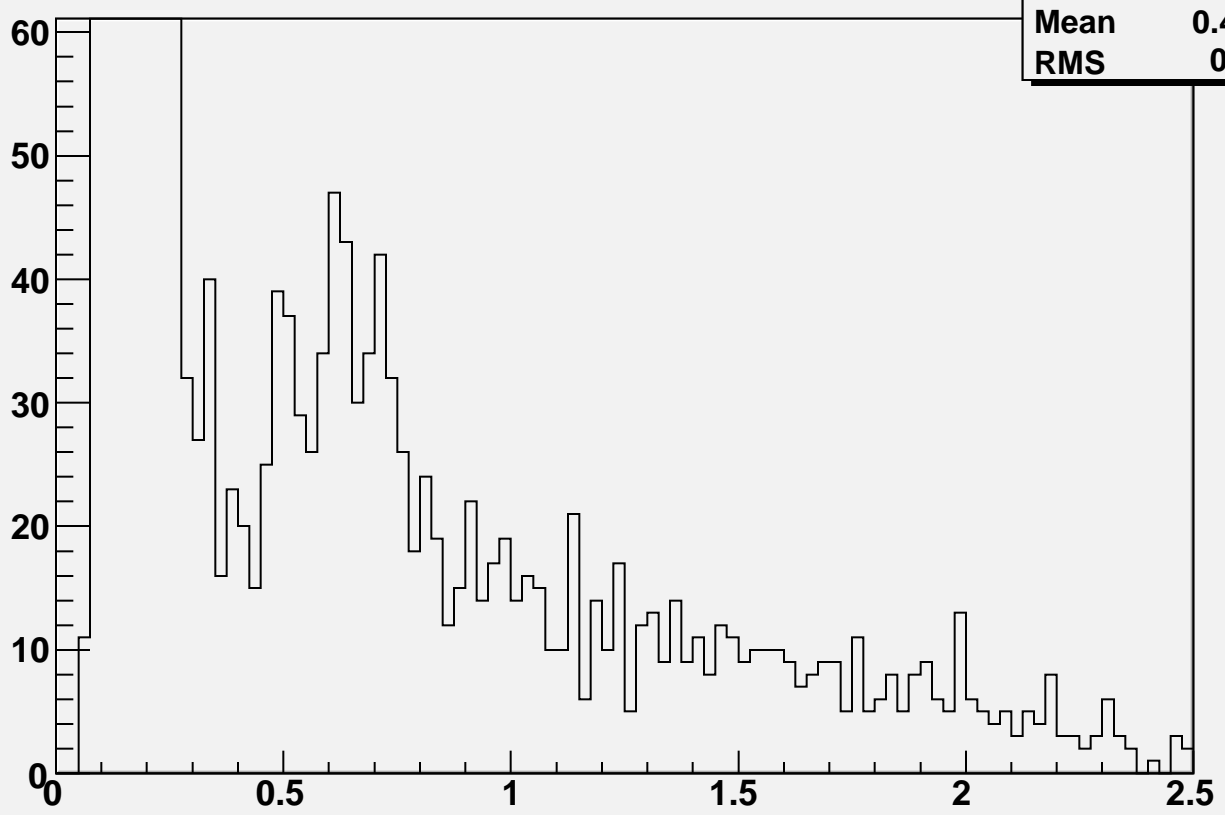
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 60.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.800000) < .05$

h1	
Entries	3504
Mean	0.4477
RMS	0.499



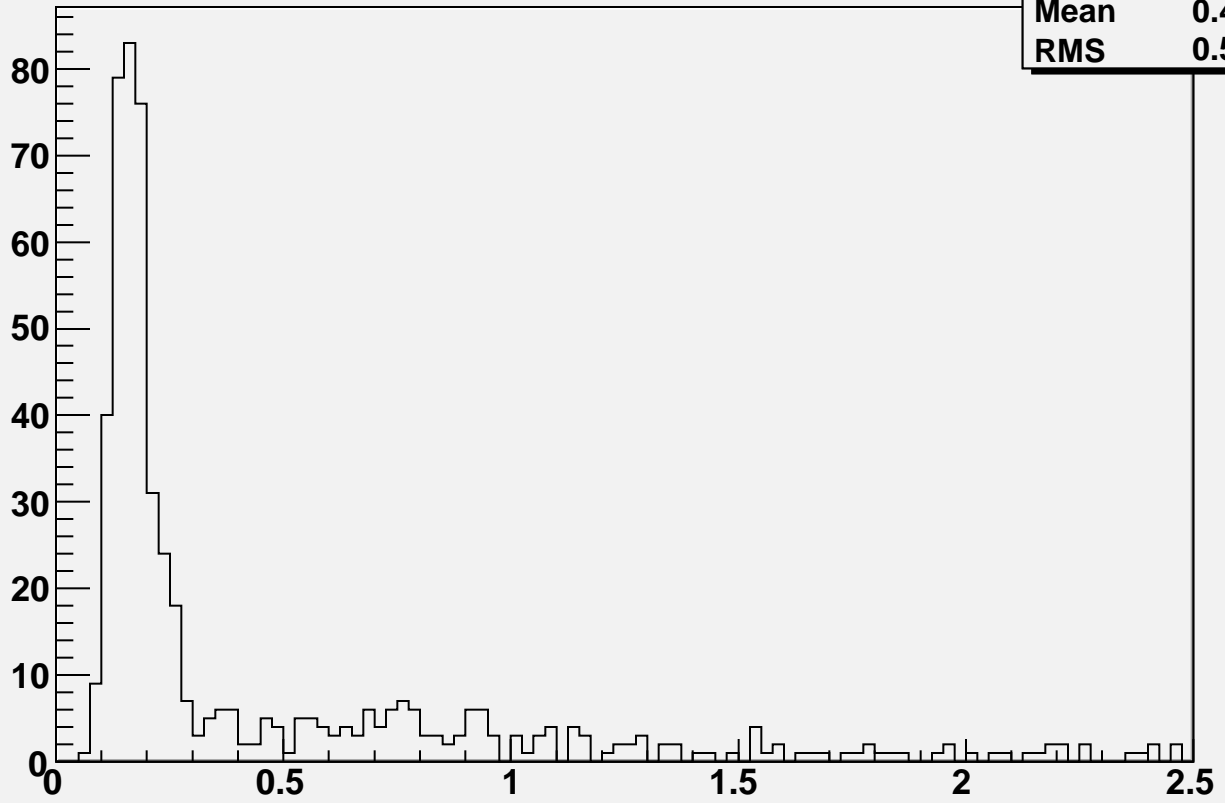
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 60.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.800000) < .05$

h2	
Entries	3504
Mean	0.4477
RMS	0.499



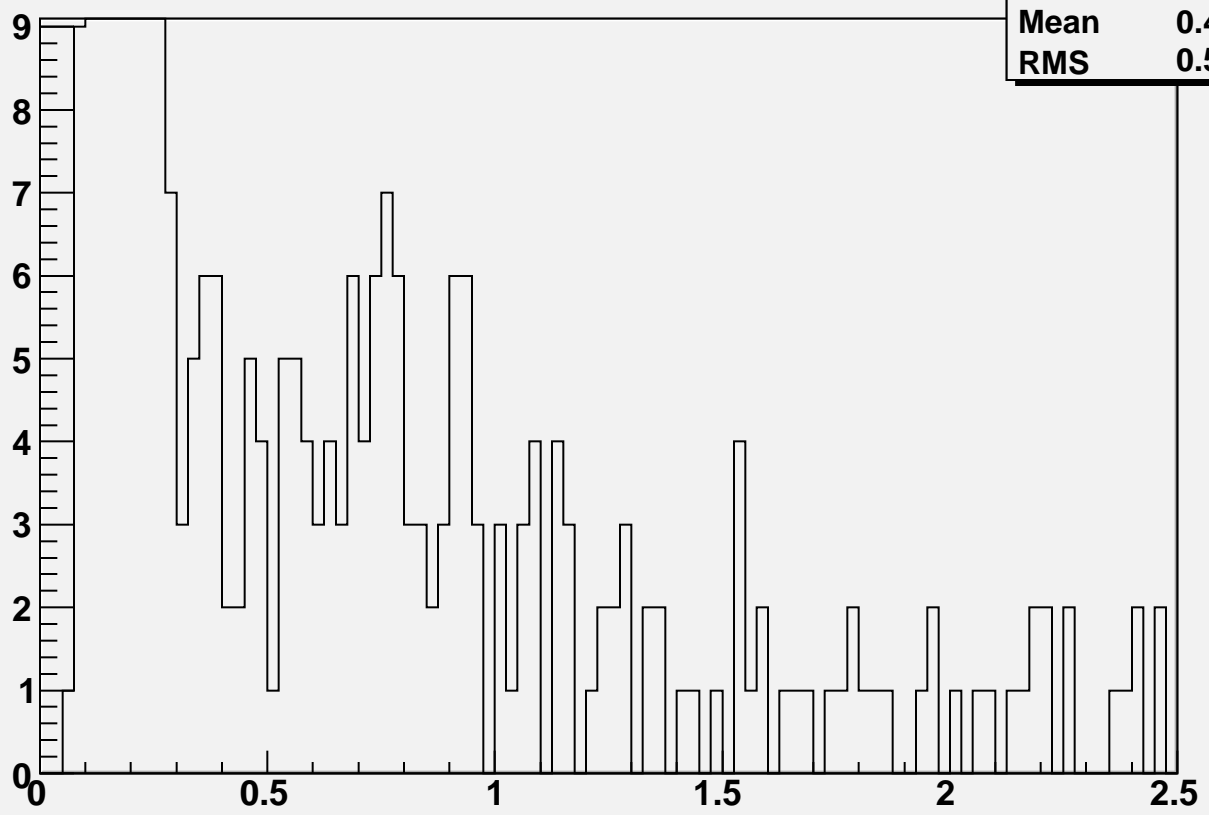
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 70.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.800000) < .05$

h1	
Entries	563
Mean	0.4492
RMS	0.5127



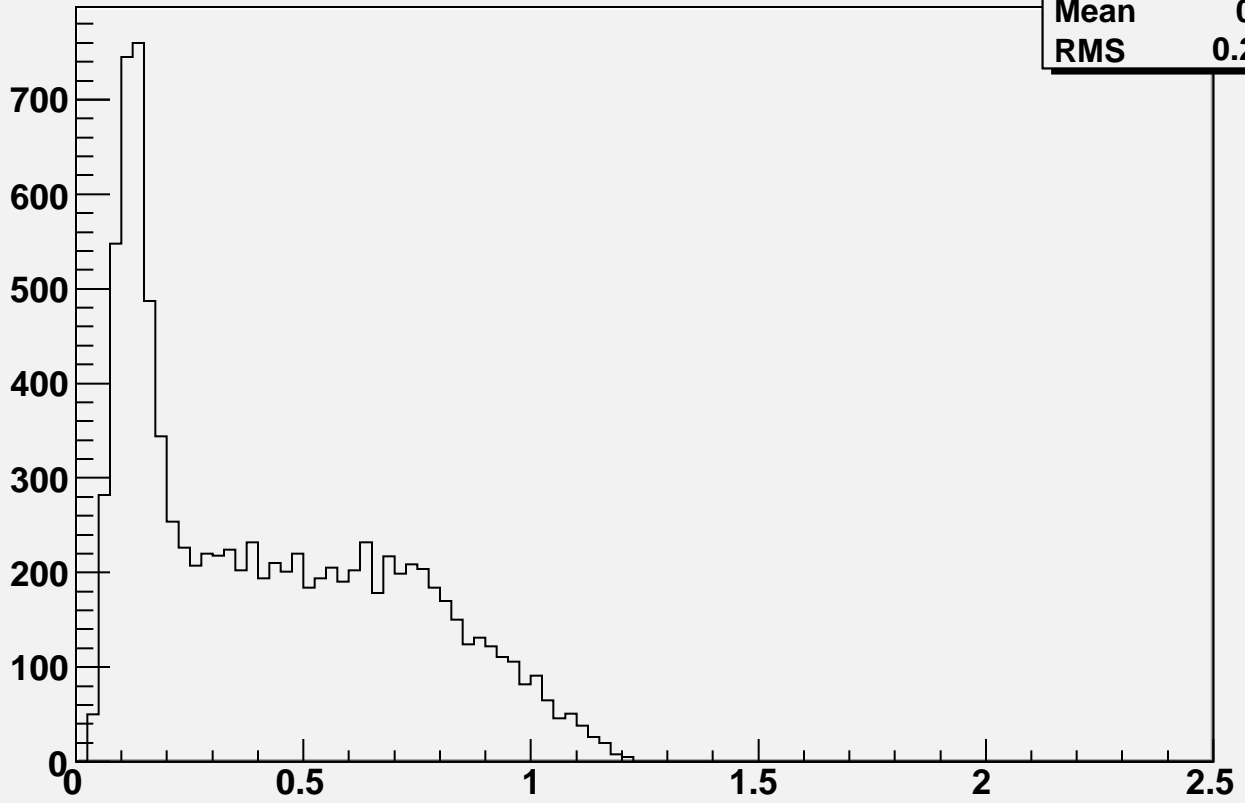
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 70.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.800000) < .05$

h2	
Entries	563
Mean	0.4492
RMS	0.5127



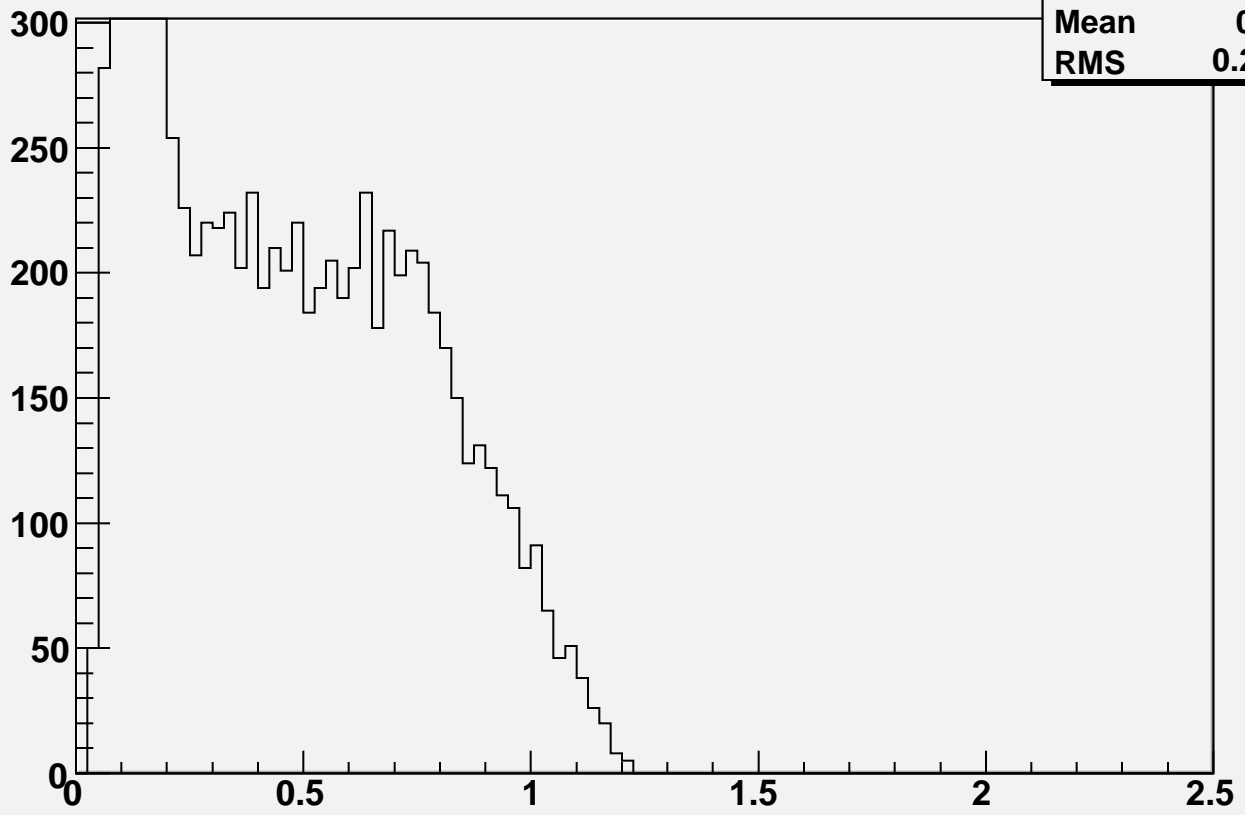
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.700000) < .05$

h1	
Entries	9568
Mean	0.431
RMS	0.2952

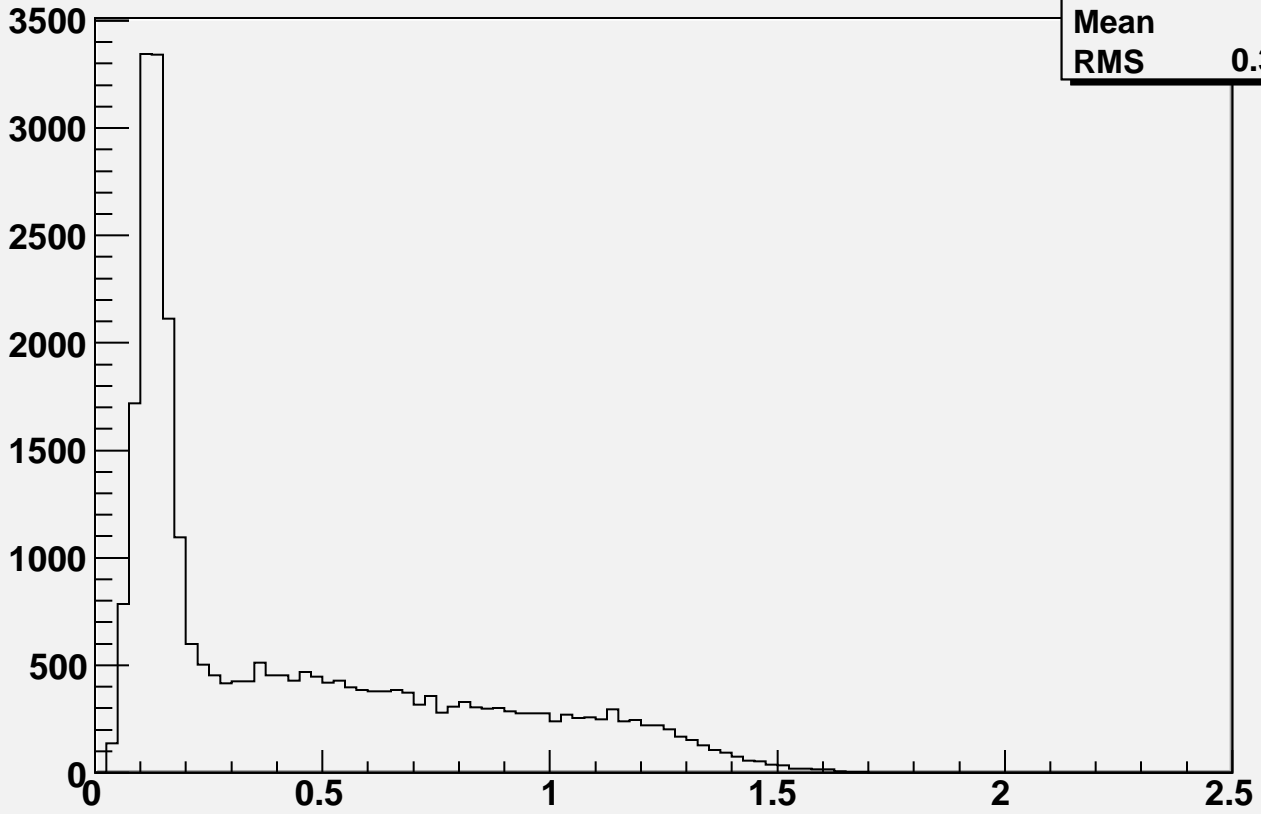


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.700000) < .05$

h2	
Entries	9568
Mean	0.431
RMS	0.2952

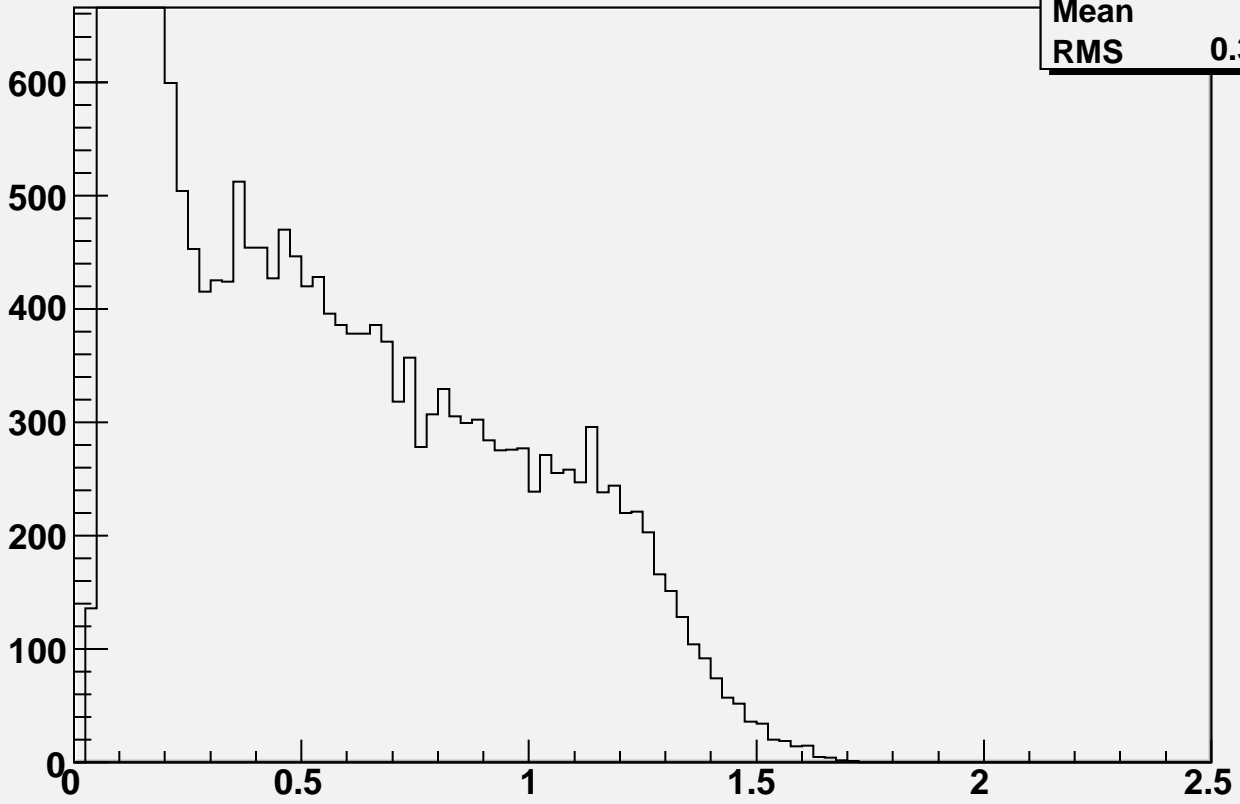


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.700000) < .05$



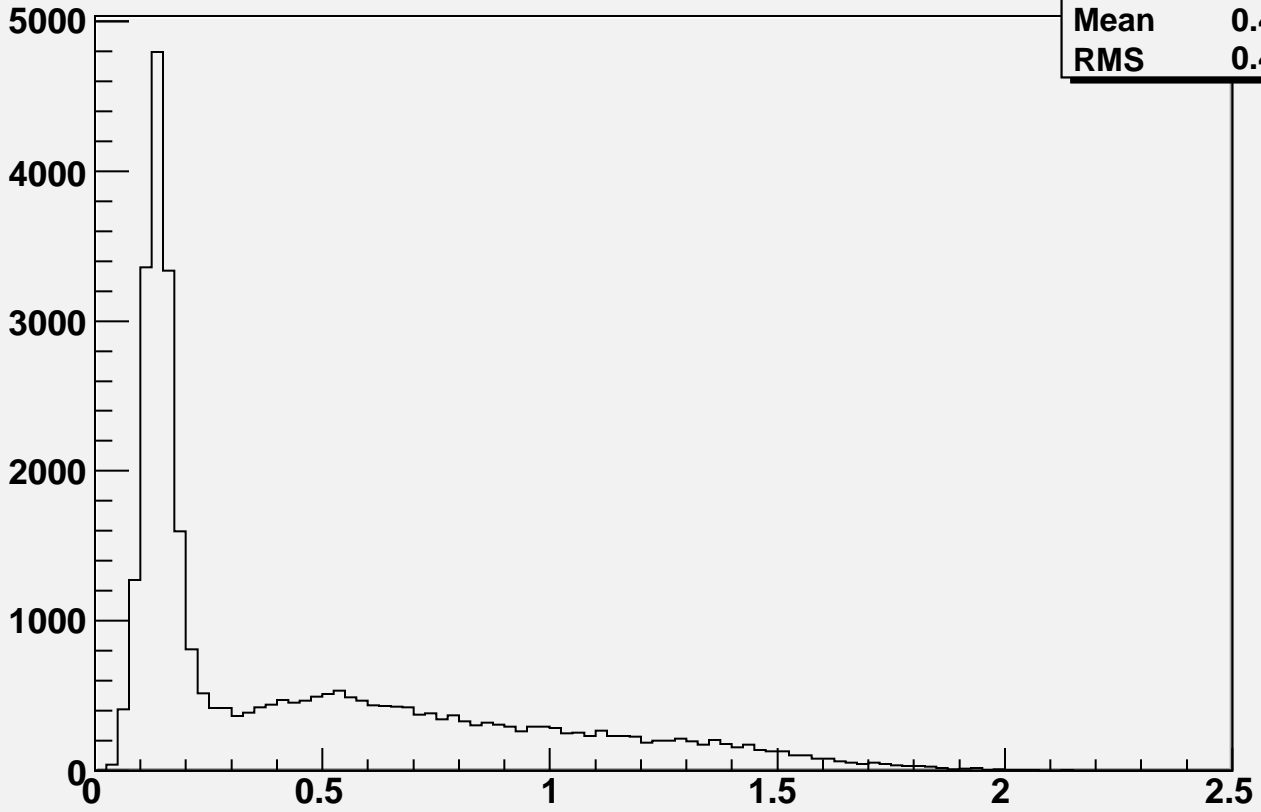
h1	
Entries	28531
Mean	0.45
RMS	0.3847

$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.700000) < .05$



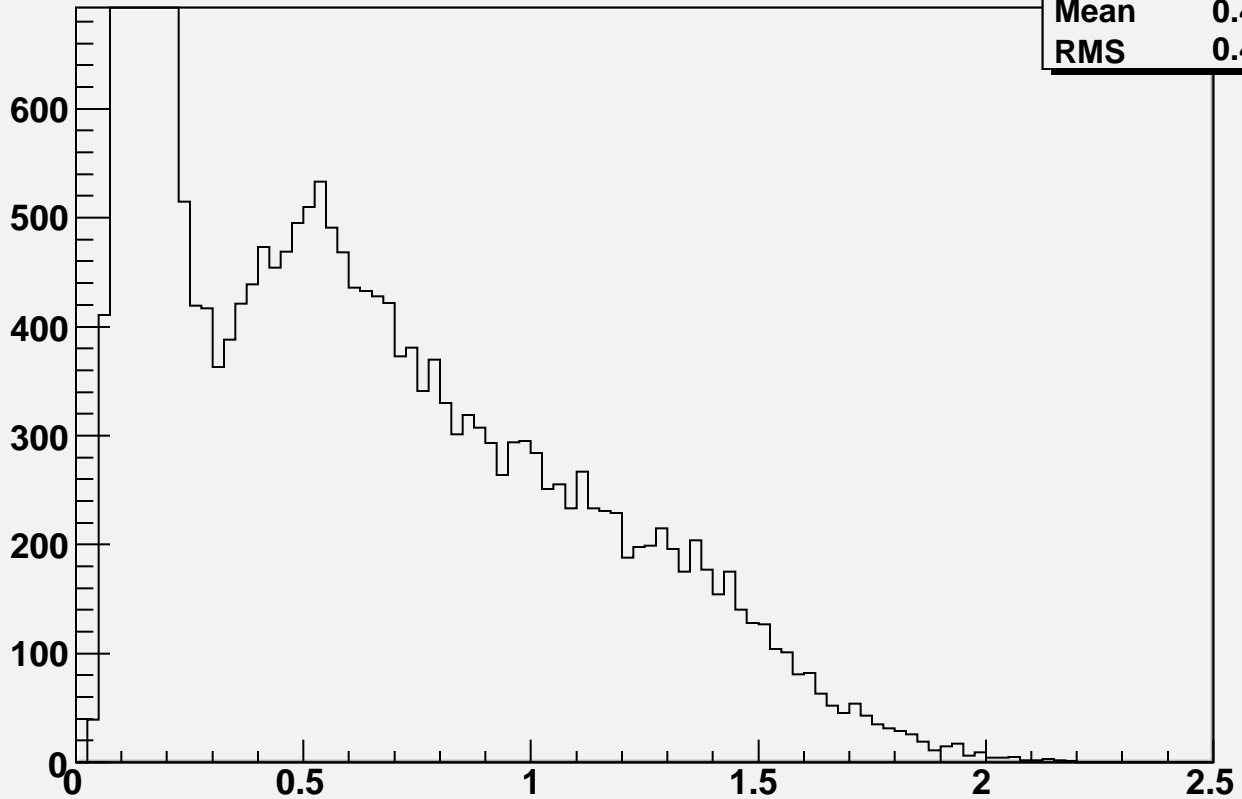
h2	
Entries	28531
Mean	0.45
RMS	0.3847

$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.700000) < .05$



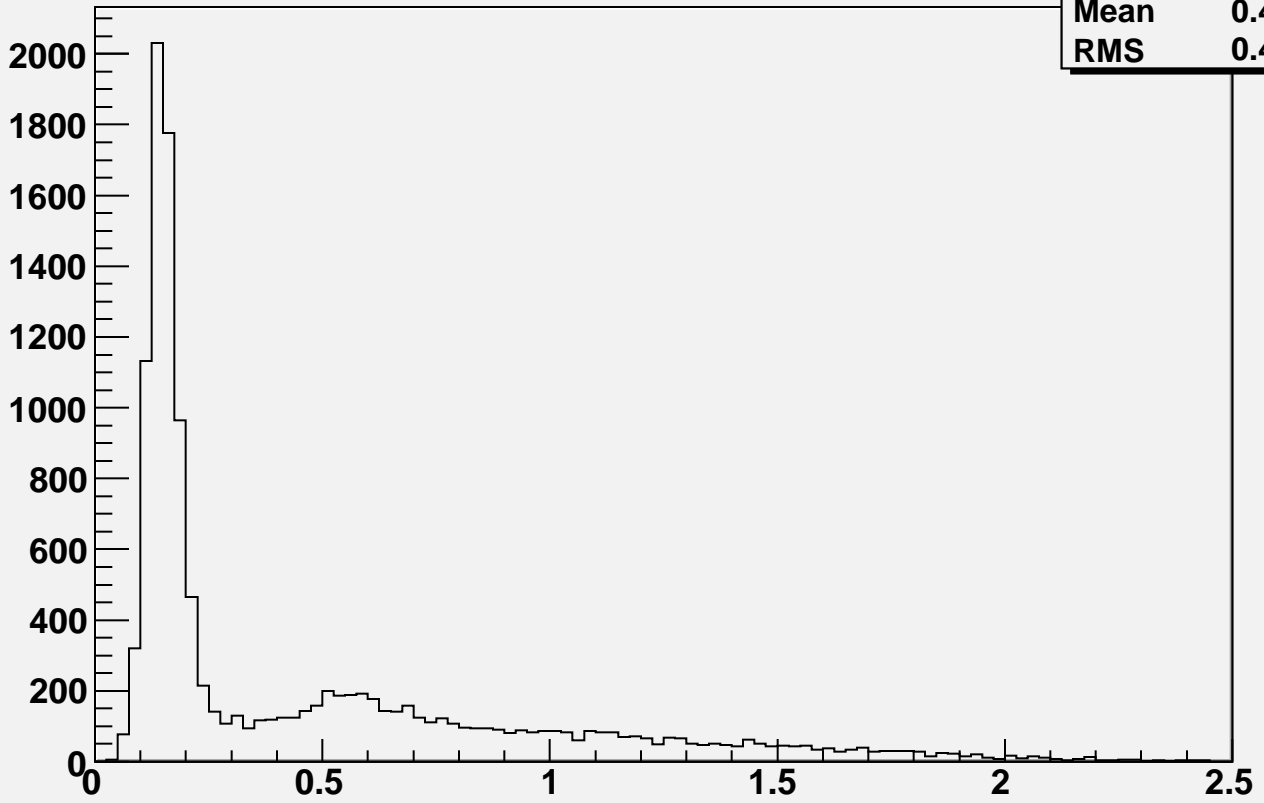
h1	
Entries	33167
Mean	0.4856
RMS	0.4342

$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.700000) < .05$



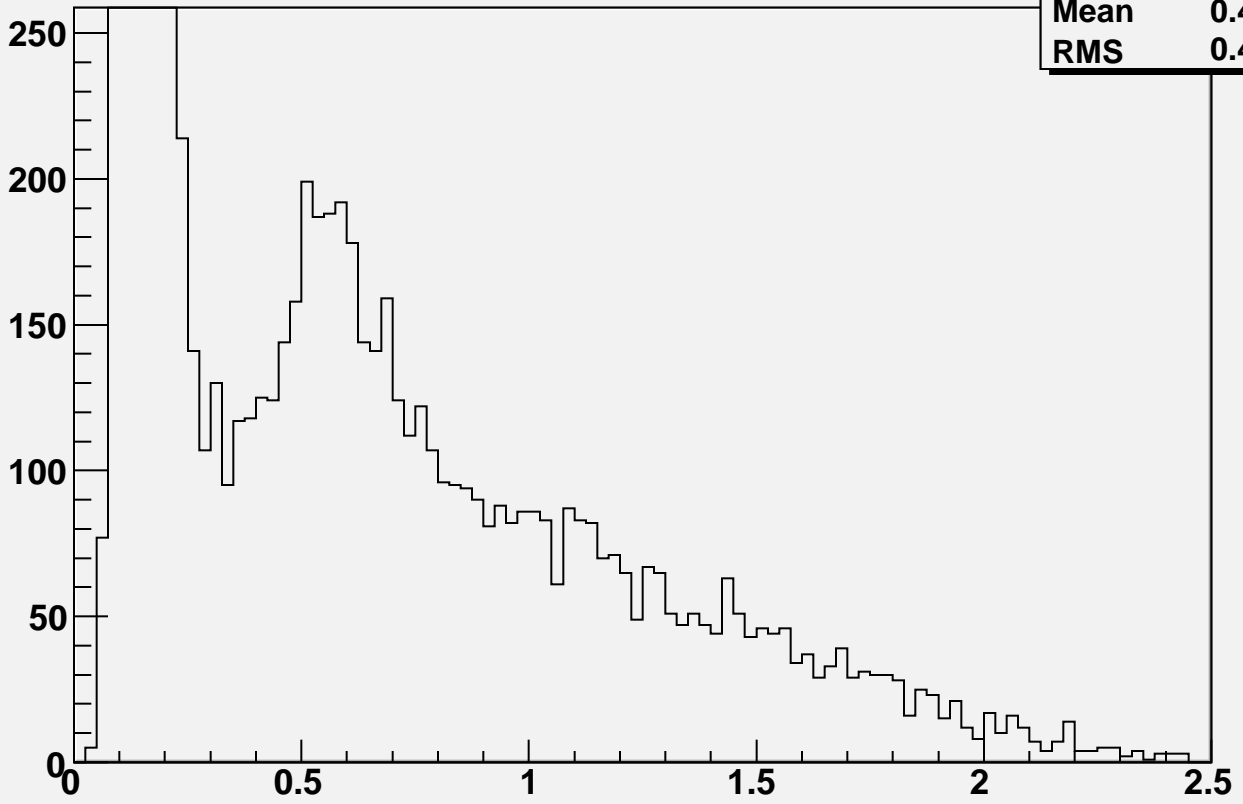
h2	
Entries	33167
Mean	0.4856
RMS	0.4342

$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.700000) < .05$



h1	
Entries	12774
Mean	0.4805
RMS	0.4762

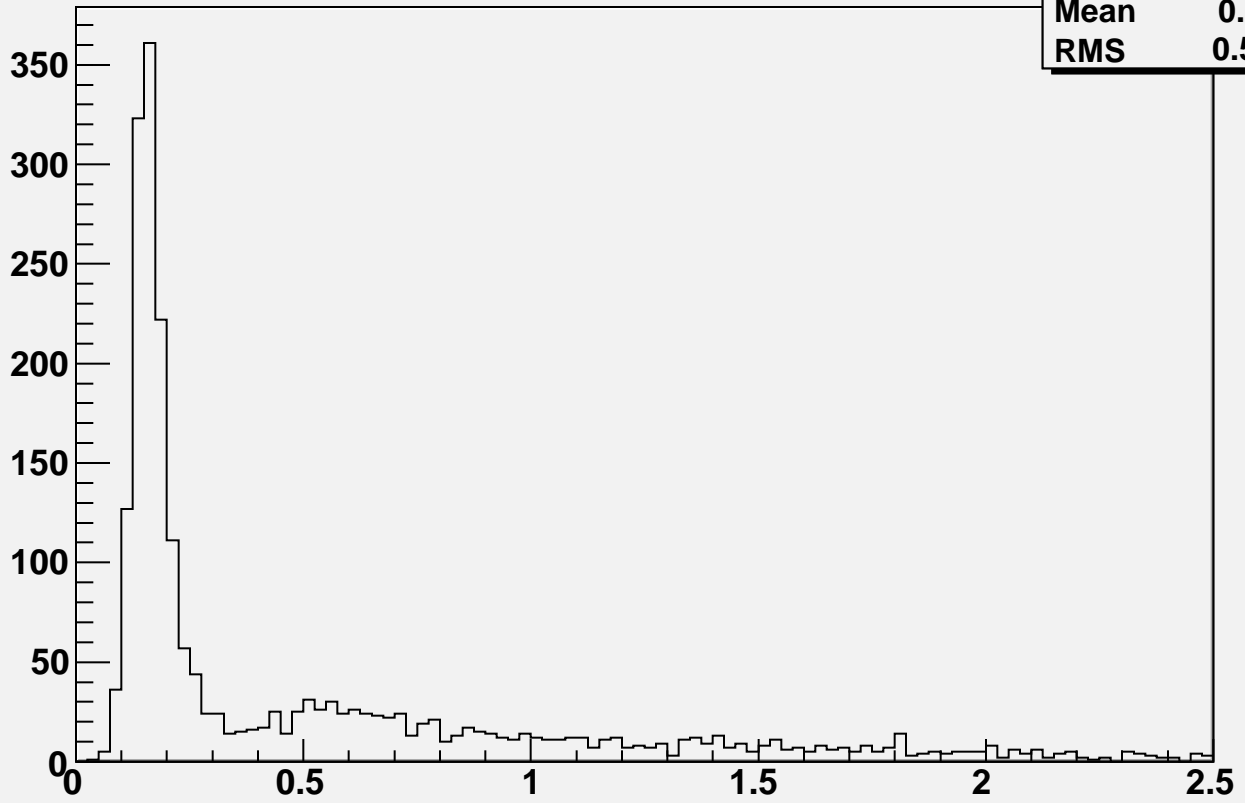
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.700000) < .05$



h2	
Entries	12774
Mean	0.4805
RMS	0.4762

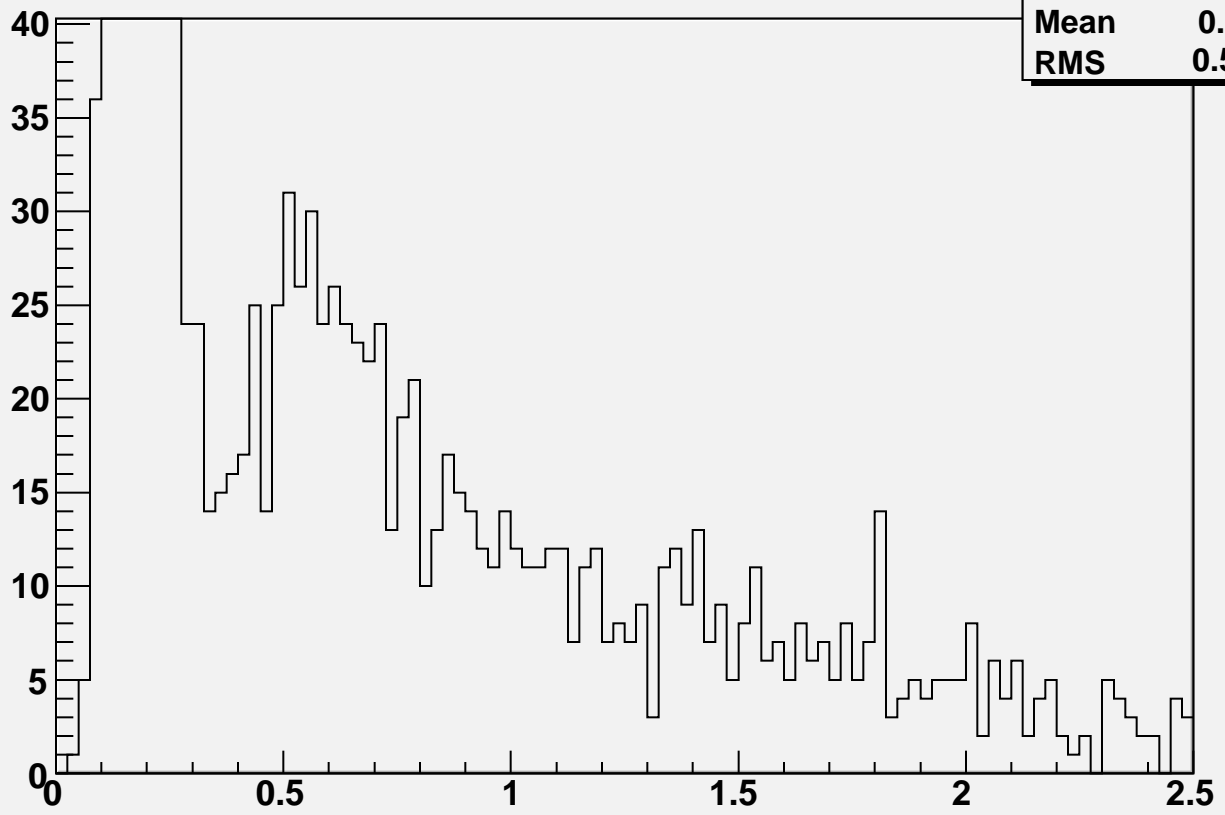
$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12}/60.000000)| < 5$ & $|\ln(\eta - 3.700000)| < 0.05$

h1	
Entries	2255
Mean	0.5161
RMS	0.5462



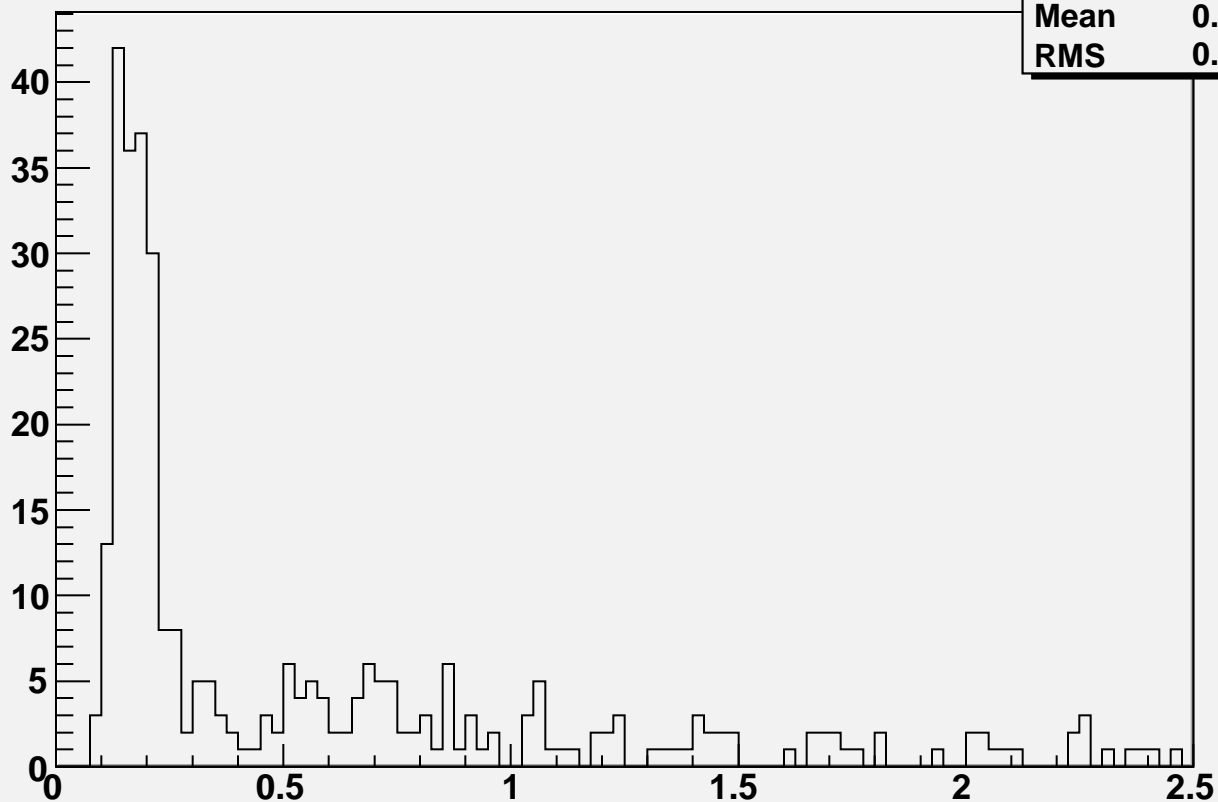
$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12}/60.000000)| < 5$ & $|\ln(\eta - 3.700000)| < 0.05$

h2	
Entries	2255
Mean	0.5161
RMS	0.5462



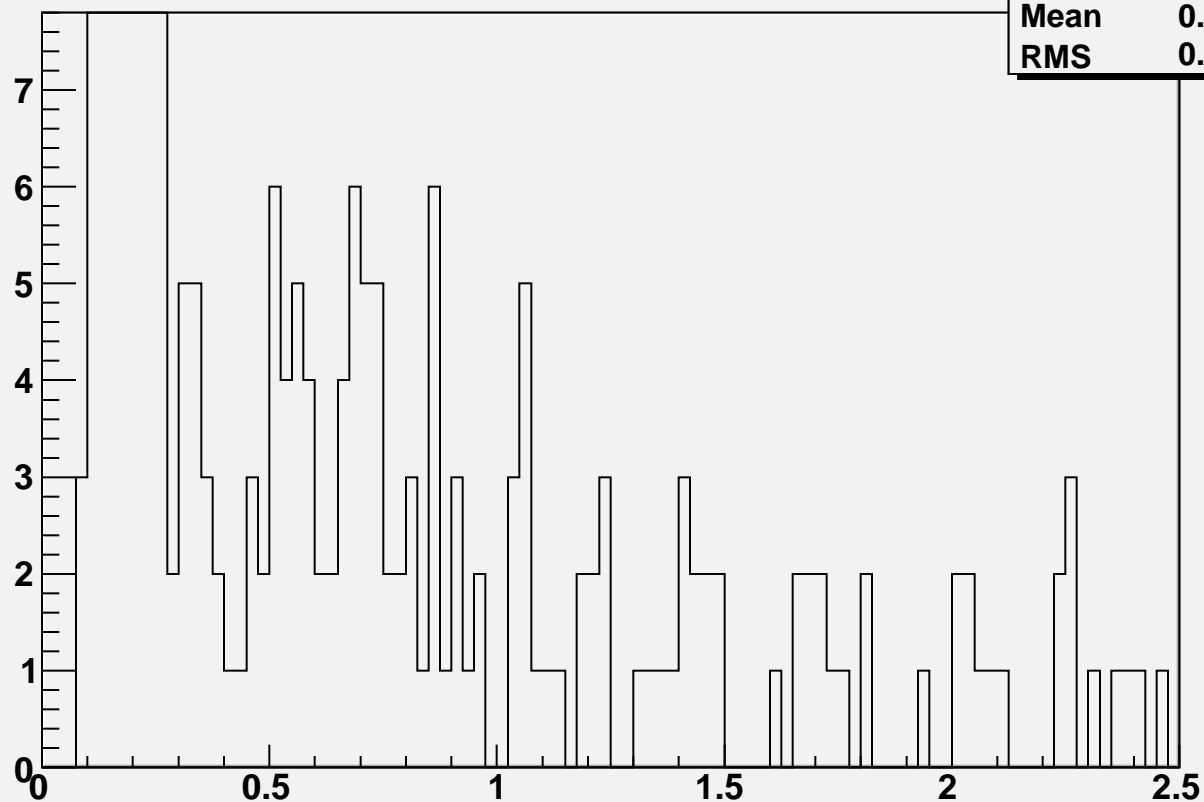
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } |\text{E}_{12} - 70.000000| < 5 \text{ \&\& } |\text{Eta} - 3.700000| < .05$

h1	
Entries	339
Mean	0.5586
RMS	0.5785



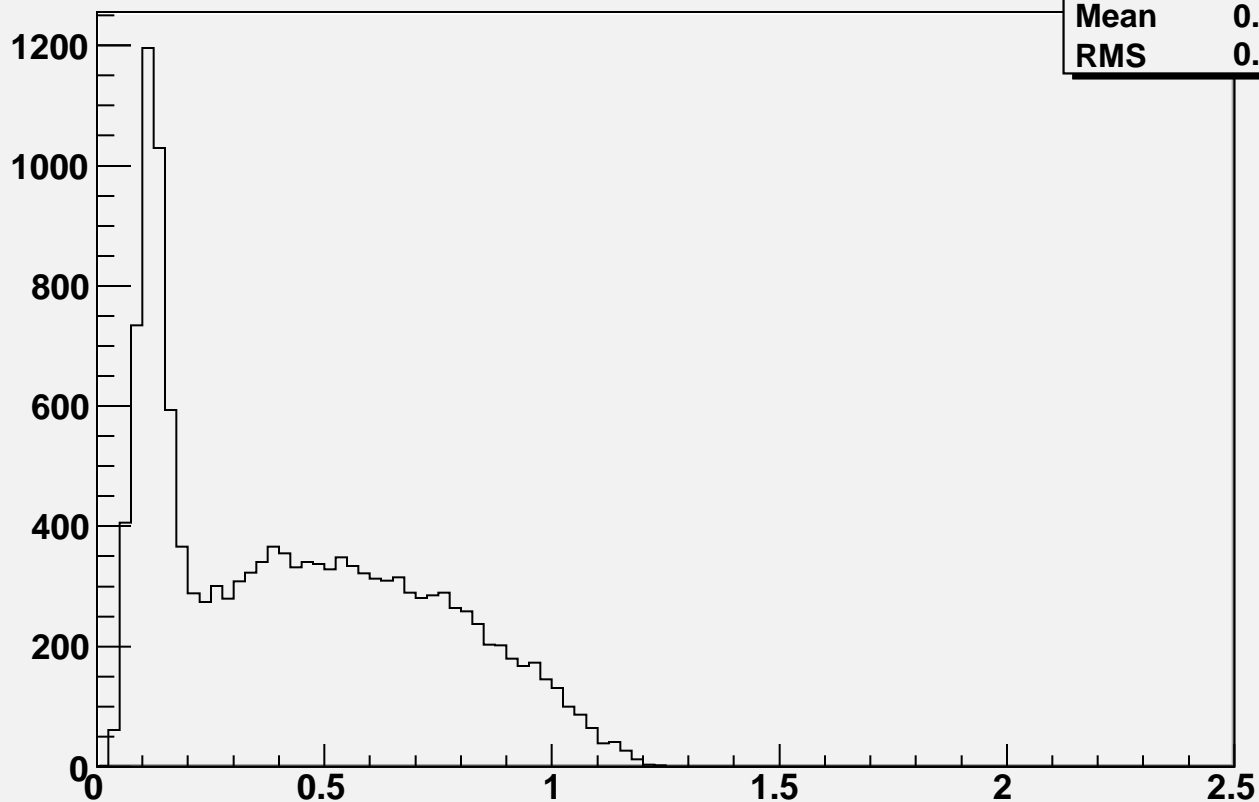
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } |\text{E}_{12} - 70.000000| < 5 \text{ \&\& } |\text{Eta} - 3.700000| < .05$

h2	
Entries	339
Mean	0.5586
RMS	0.5785



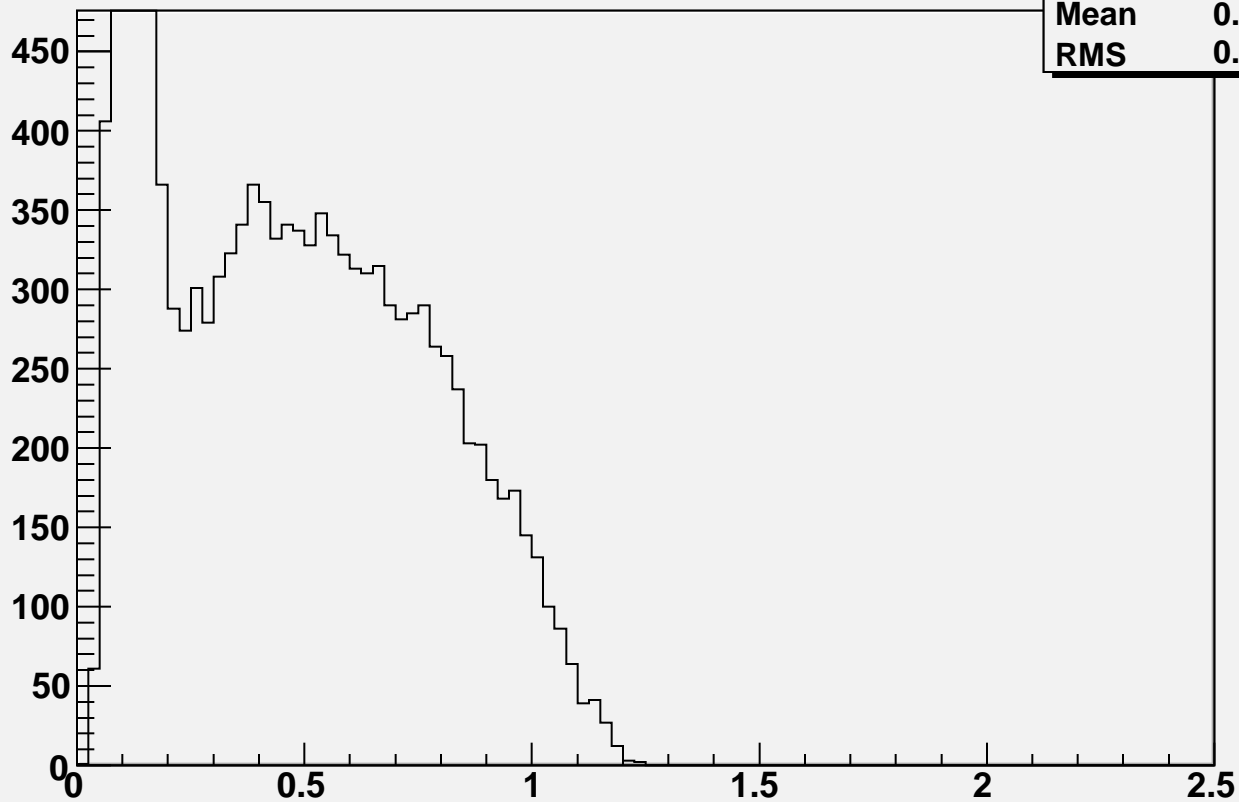
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.600000) < .05$

h1	
Entries	13984
Mean	0.4437
RMS	0.2938

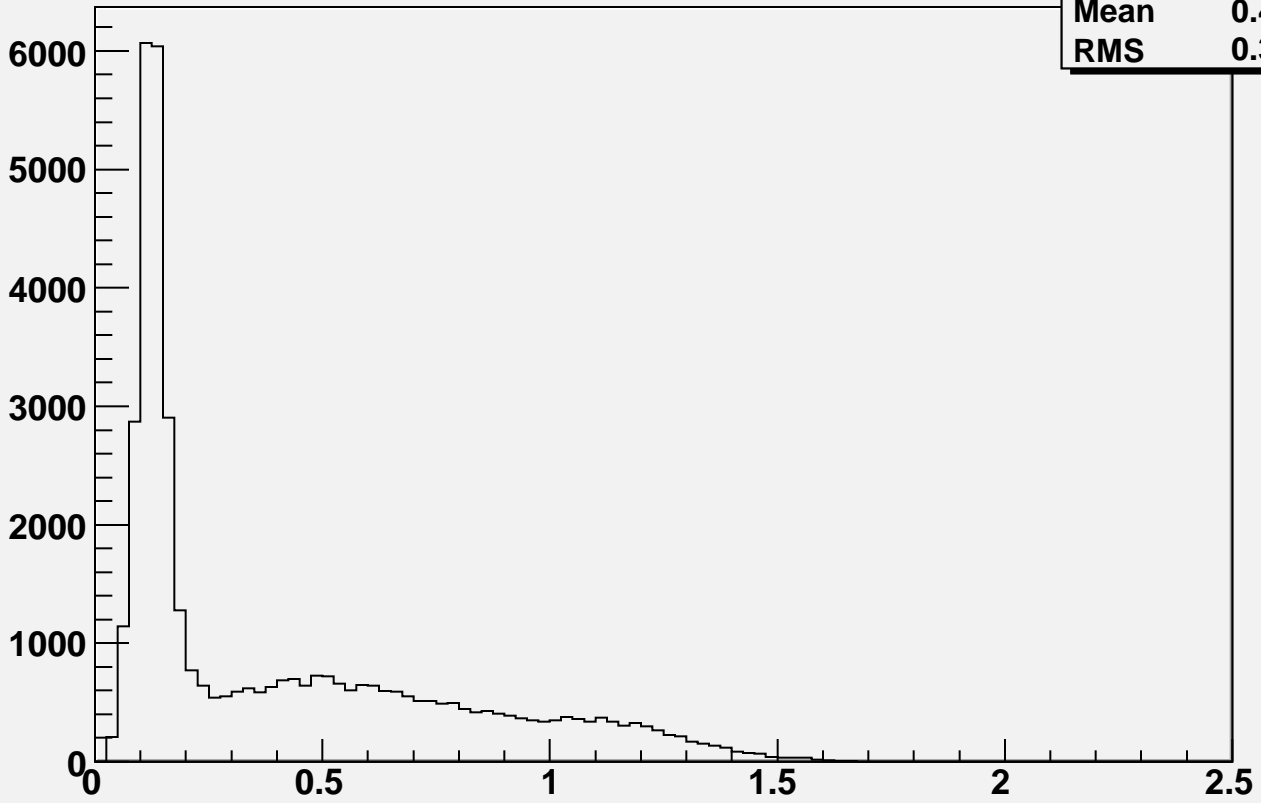


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.600000) < .05$

h2	
Entries	13984
Mean	0.4437
RMS	0.2938

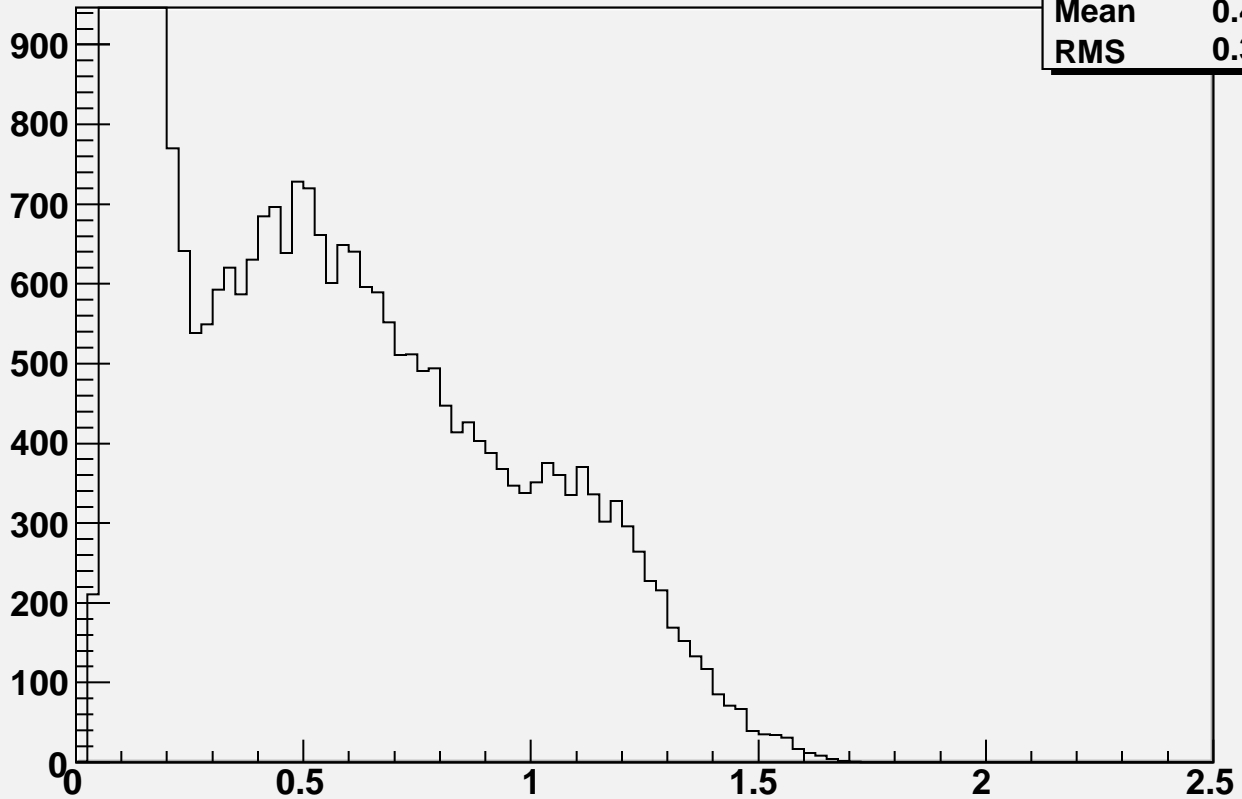


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.600000) < .05$



h1	
Entries	43077
Mean	0.4225
RMS	0.3709

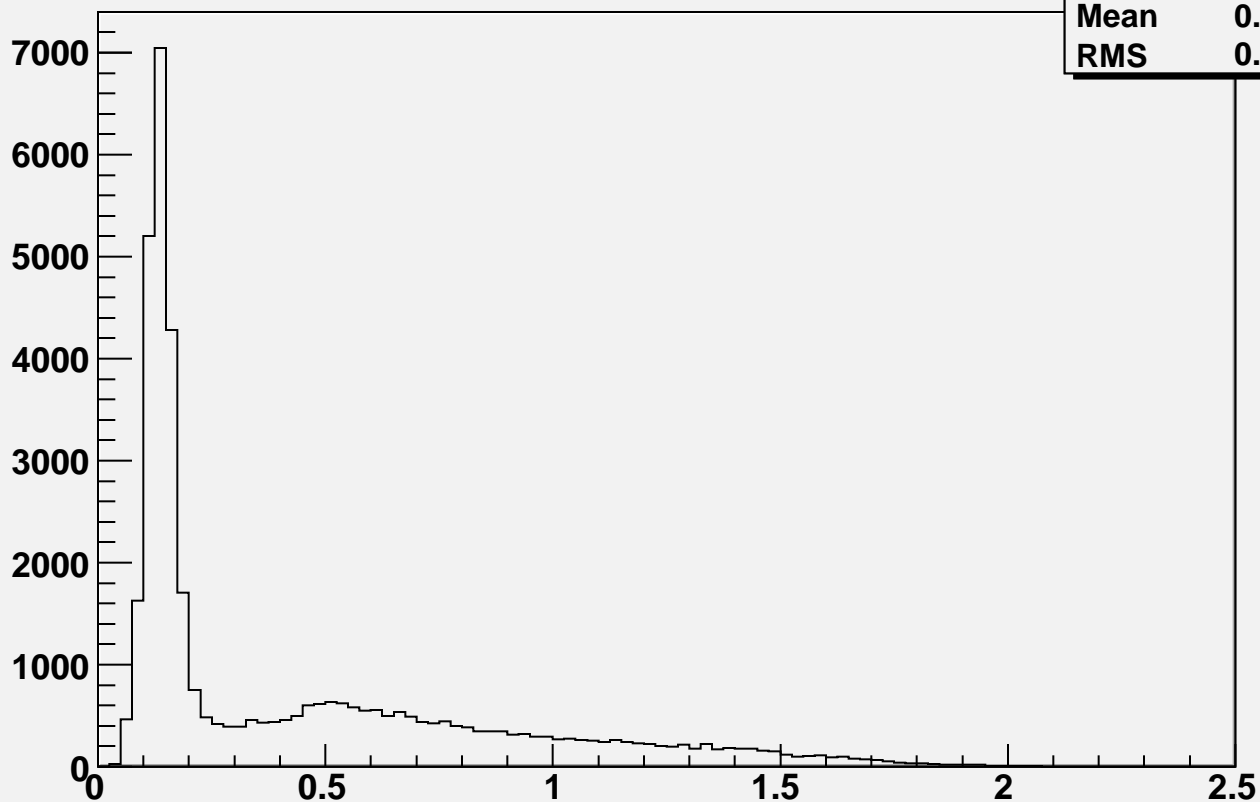
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.600000) < .05$



h2	
Entries	43077
Mean	0.4225
RMS	0.3709

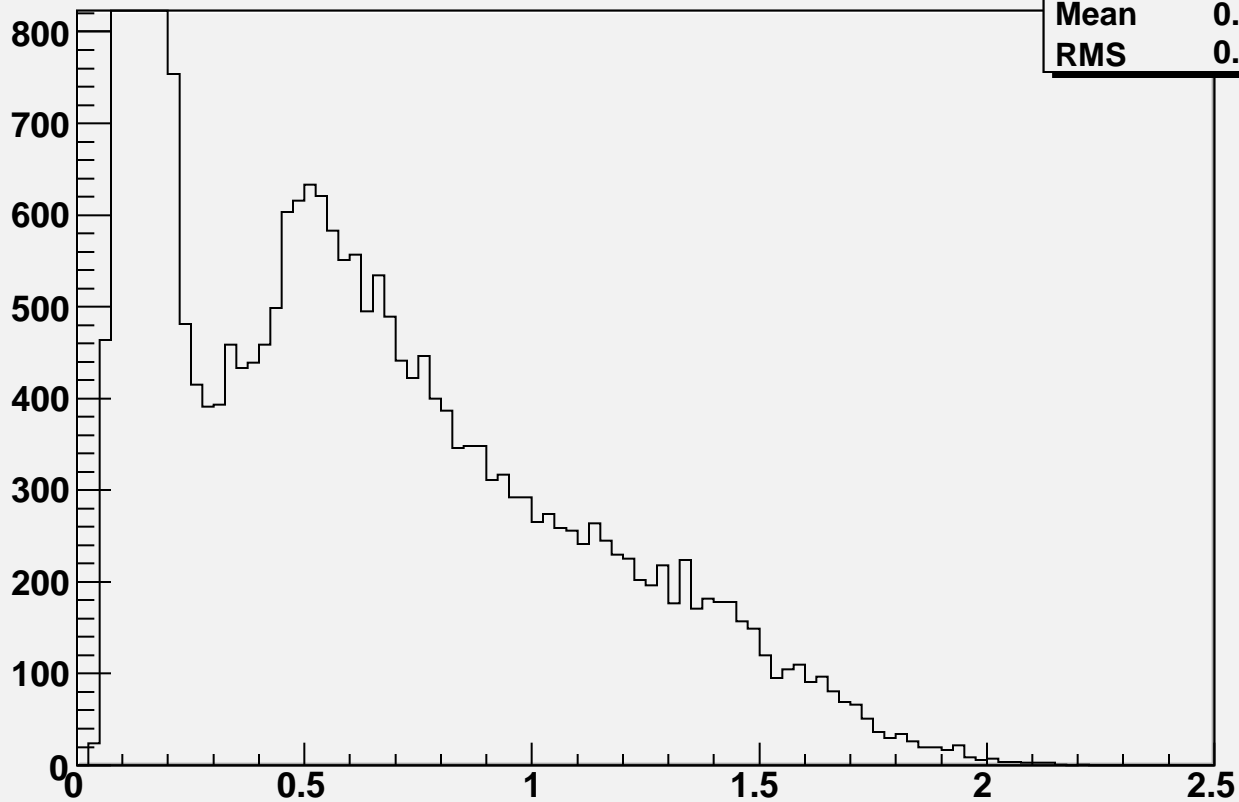
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.600000) < .05$

h1	
Entries	40533
Mean	0.4509
RMS	0.4245

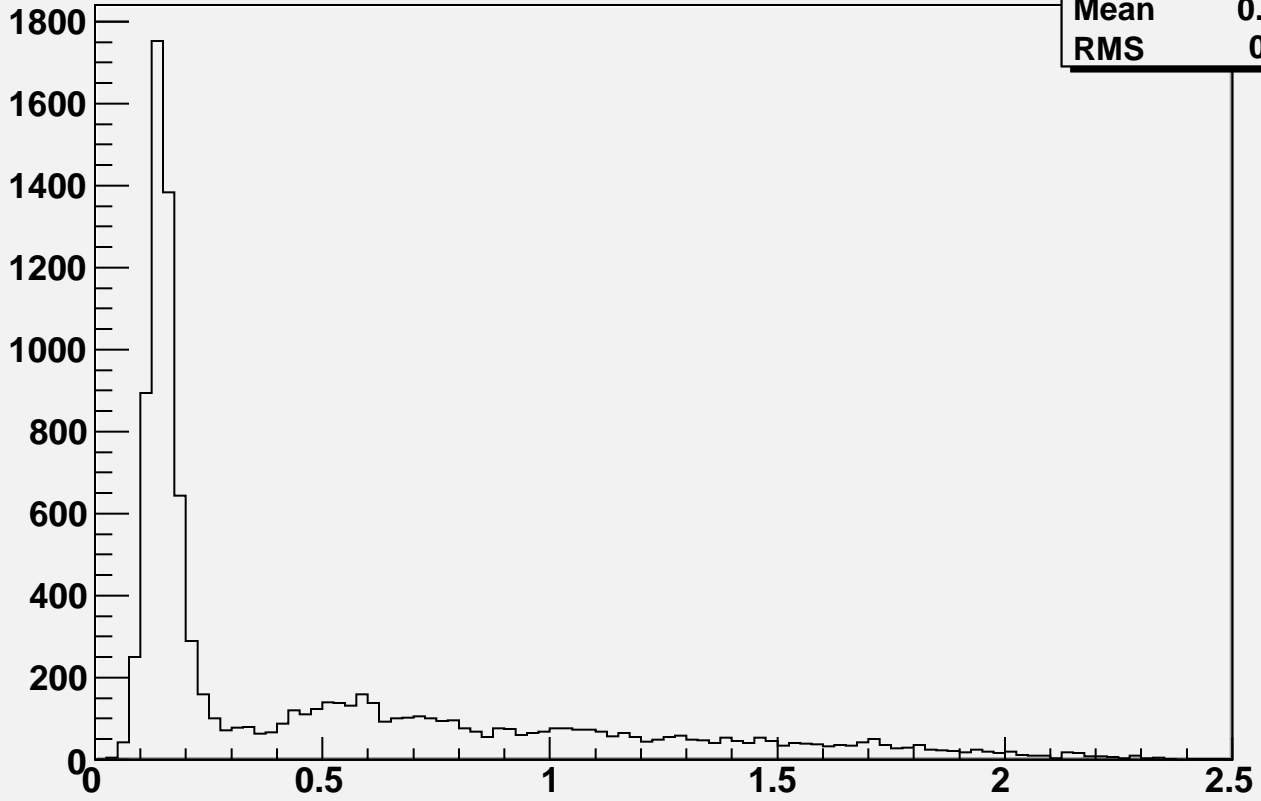


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.600000) < .05$

h2	
Entries	40533
Mean	0.4509
RMS	0.4245

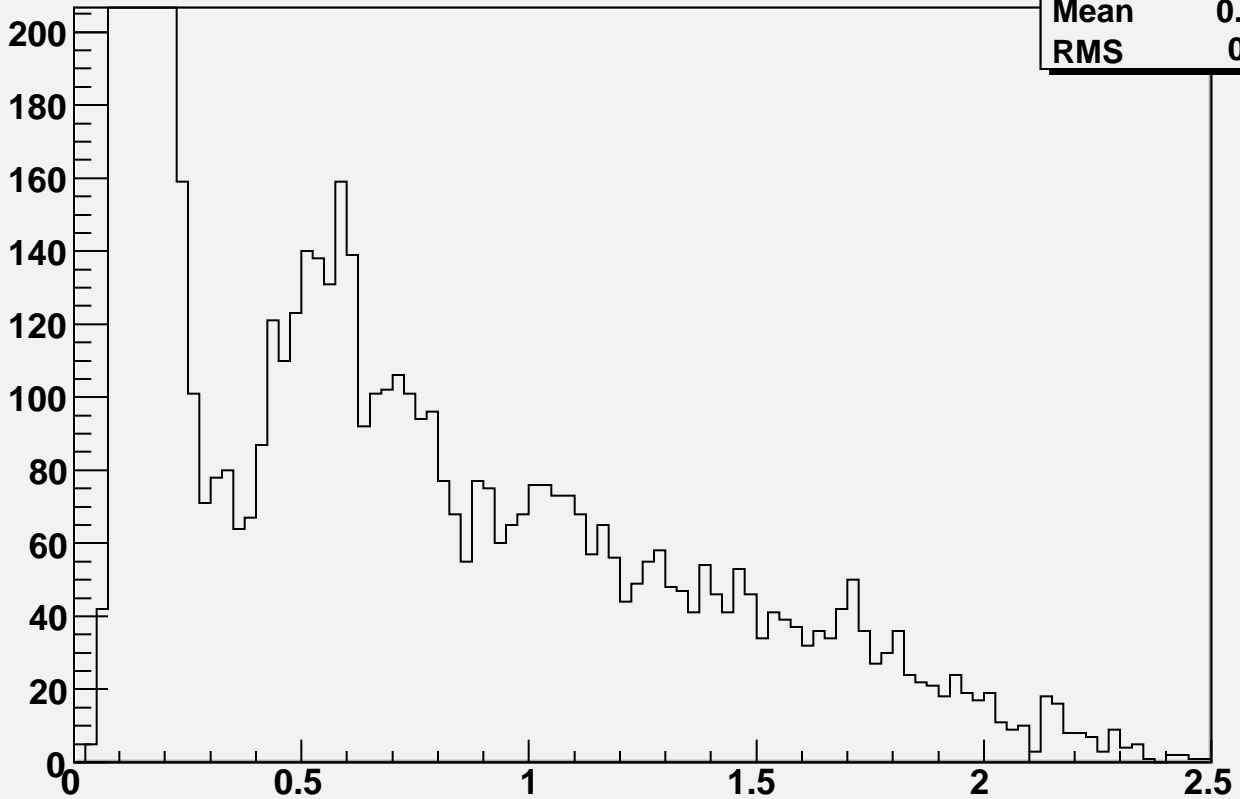


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.600000) < .05$



h1	
Entries	10152
Mean	0.5201
RMS	0.519

$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.600000) < .05$

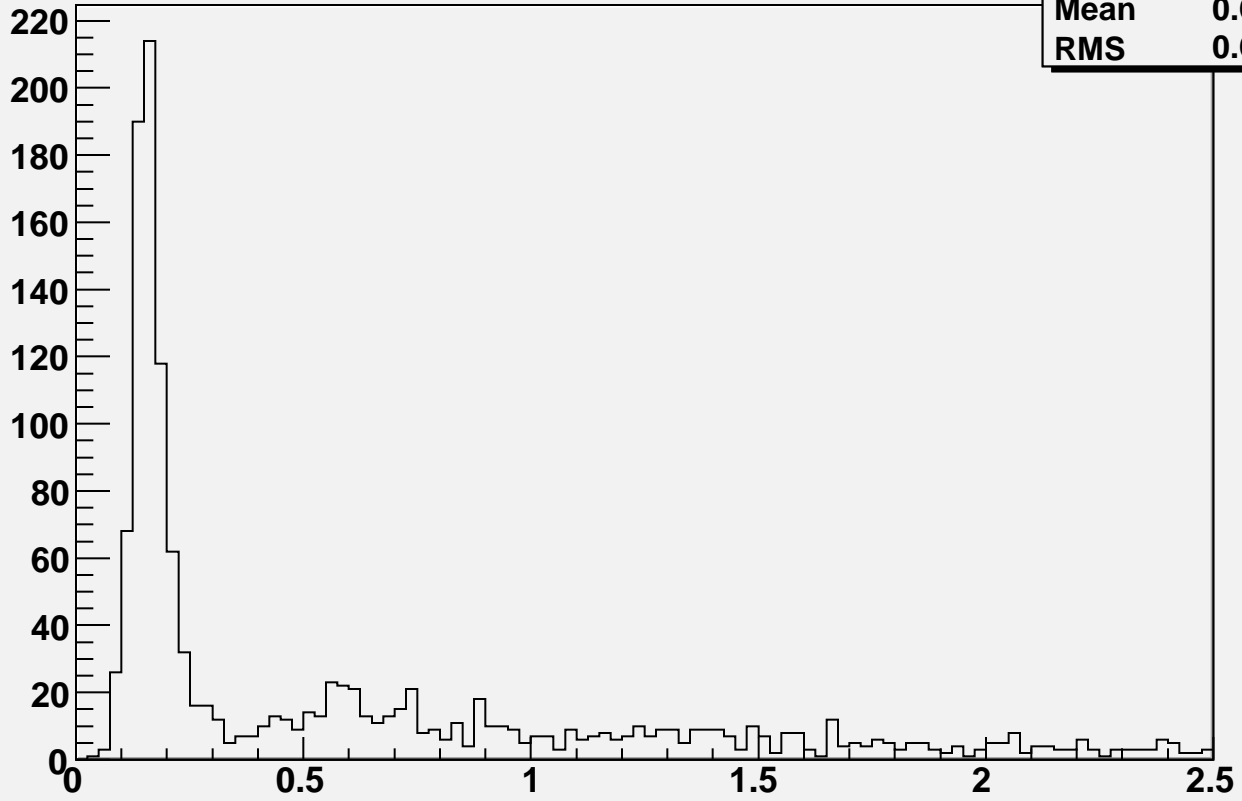


h2	
Entries	10152
Mean	0.5201
RMS	0.519

$N_{12} == 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 60.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.600000) < .05$

h1

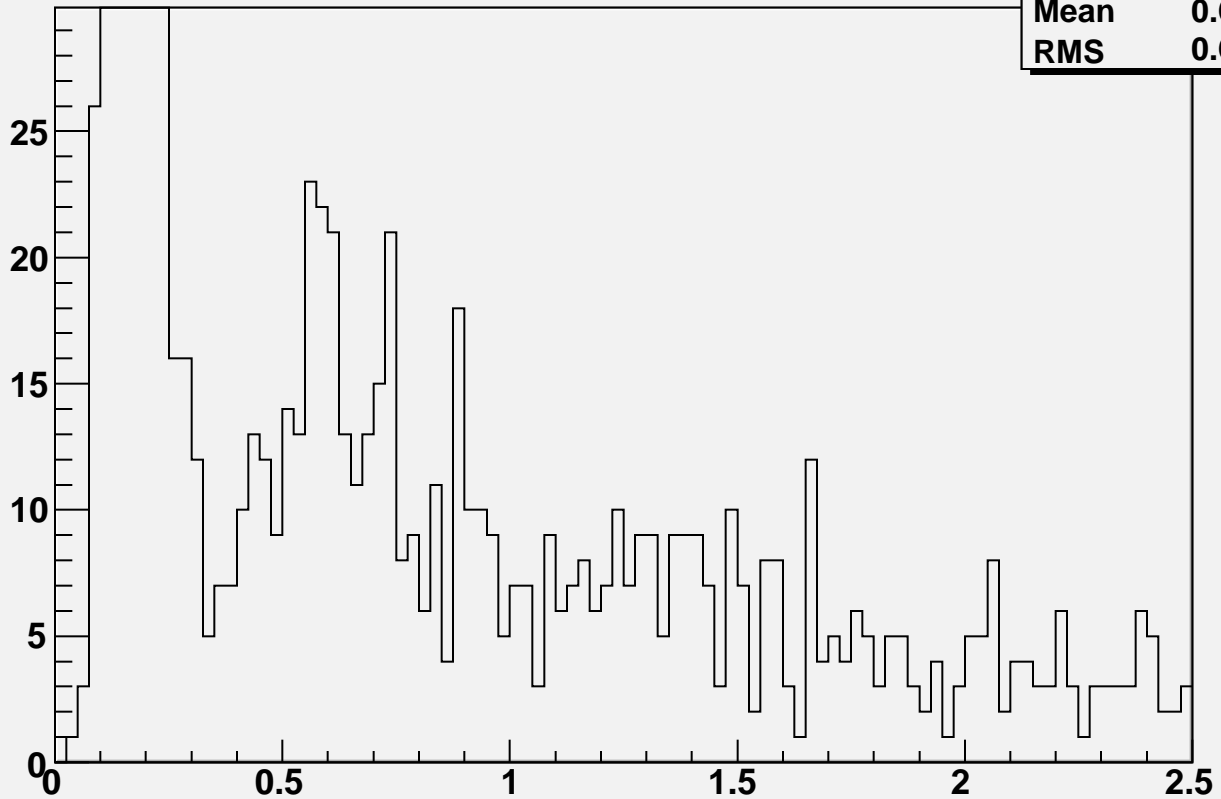
Entries	1403
Mean	0.6057
RMS	0.6197



$N_{12} == 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 60.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.600000) < .05$

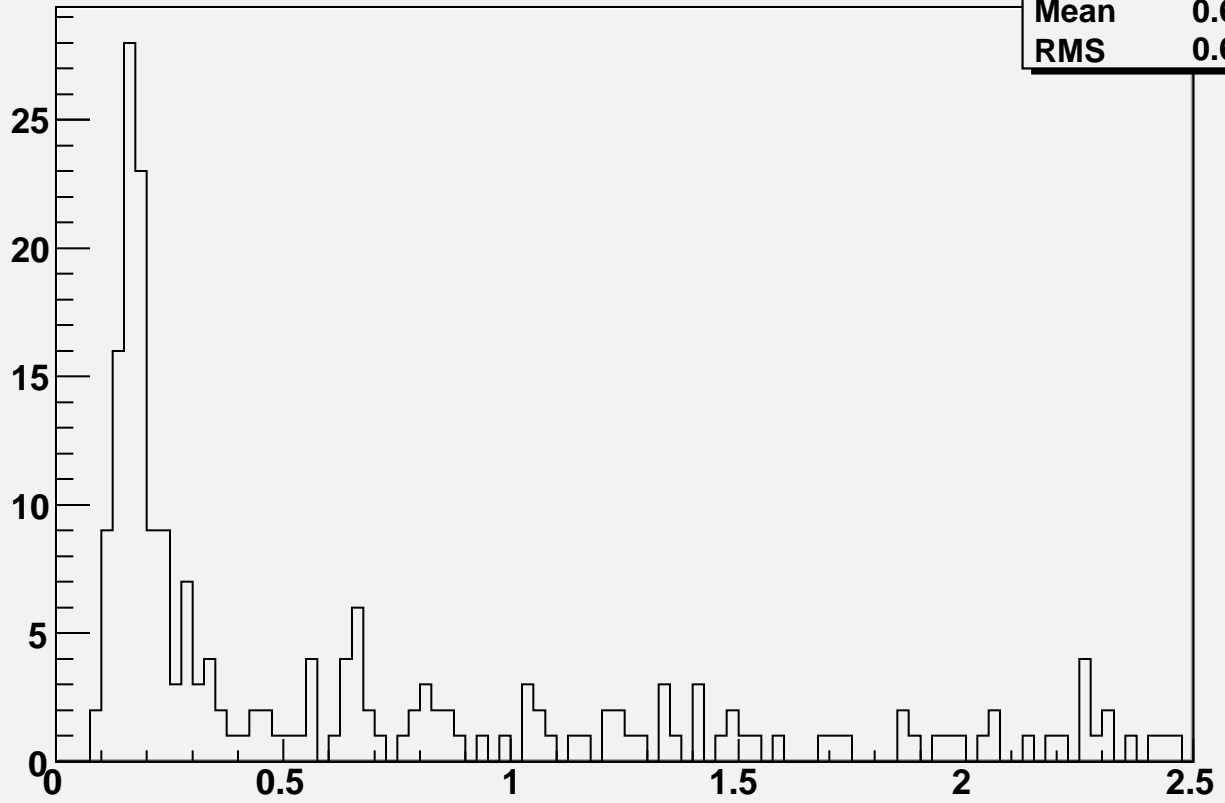
h2

Entries	1403
Mean	0.6057
RMS	0.6197



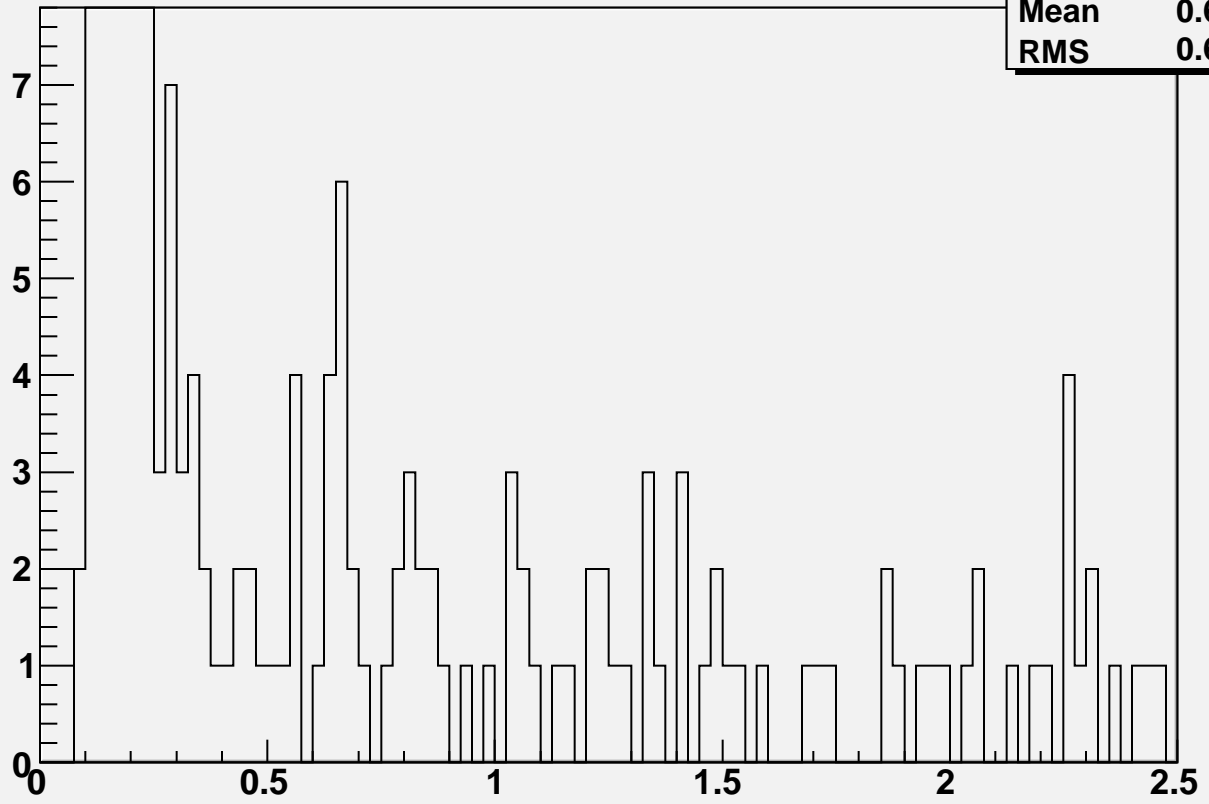
$N_{12} = 2$ & $Z < 0.7$ & $|\text{E12} - 70.000000| < 5$ & $|\text{Eta} - 3.600000| < 0.05$

h1	
Entries	215
Mean	0.6648
RMS	0.6735



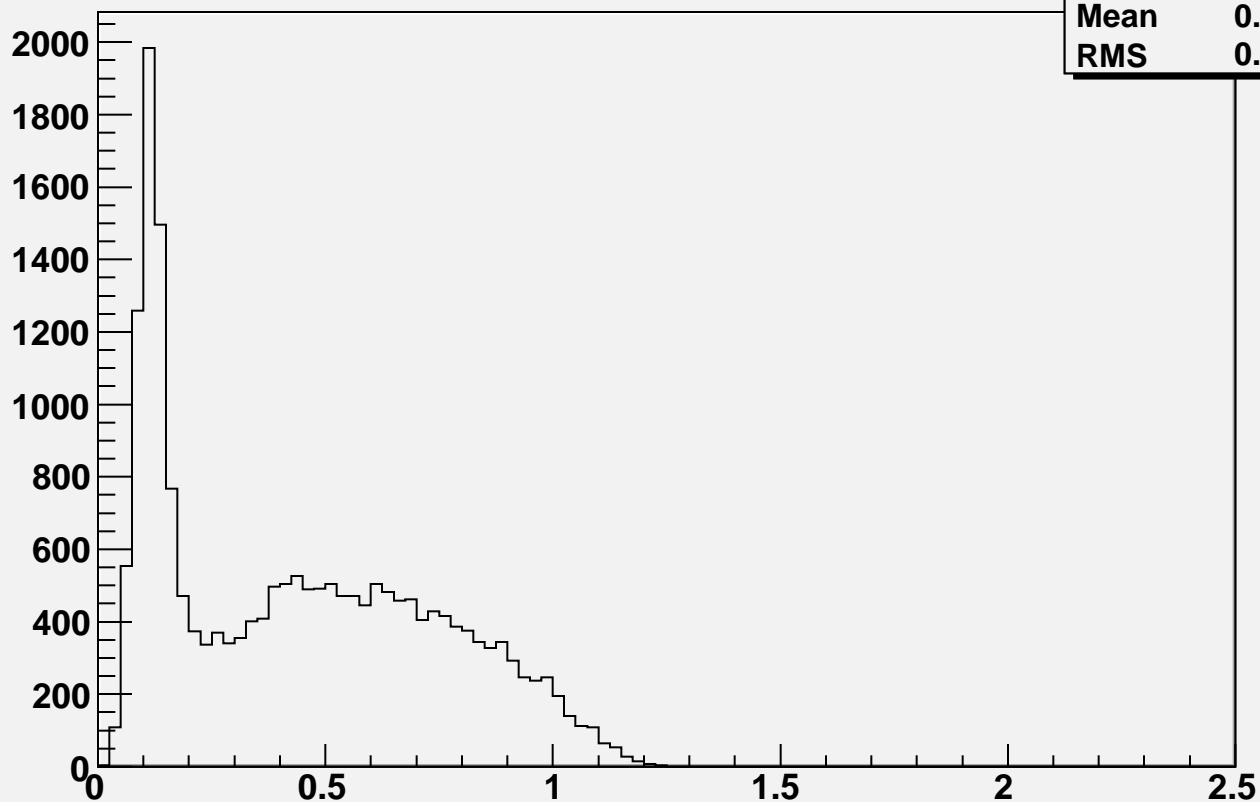
$N_{12} = 2$ & $Z < 0.7$ & $|\text{E12} - 70.000000| < 5$ & $|\text{Eta} - 3.600000| < 0.05$

h2	
Entries	215
Mean	0.6648
RMS	0.6735



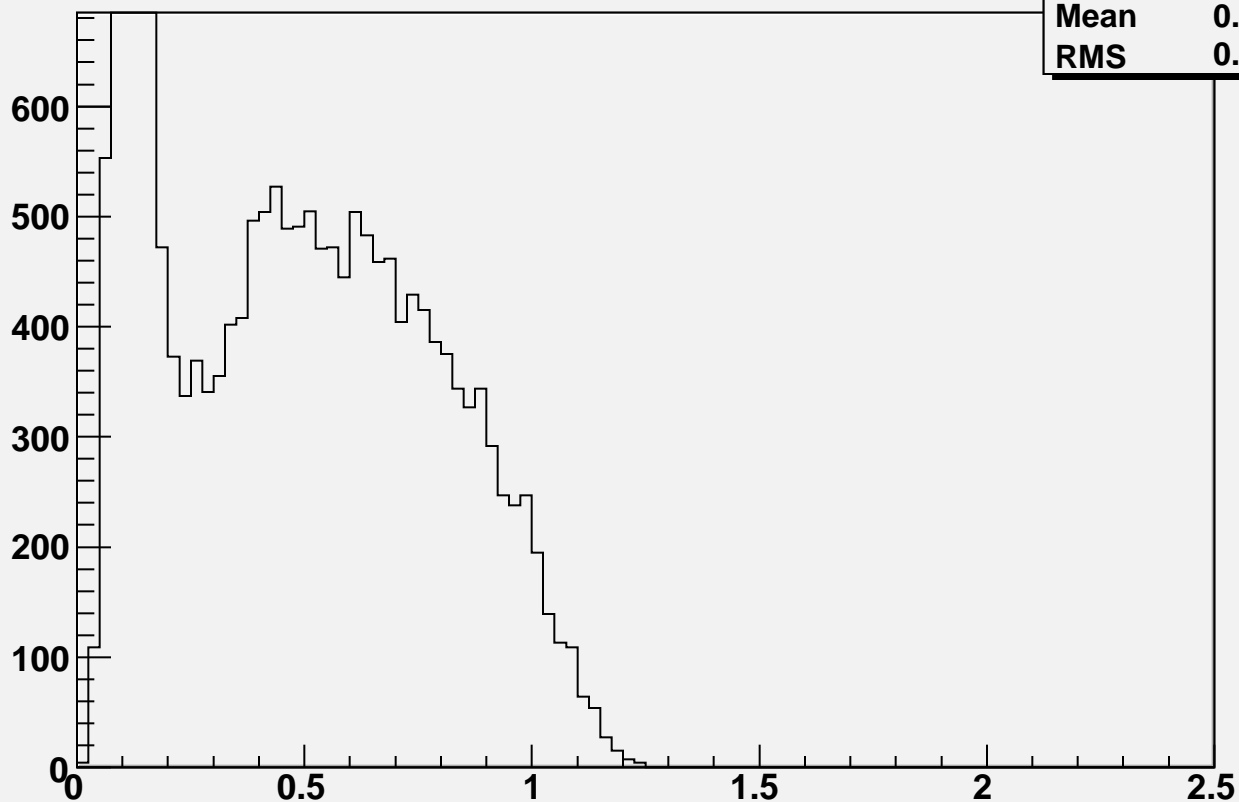
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.500000) < .05$

h1	
Entries	20313
Mean	0.4463
RMS	0.2987

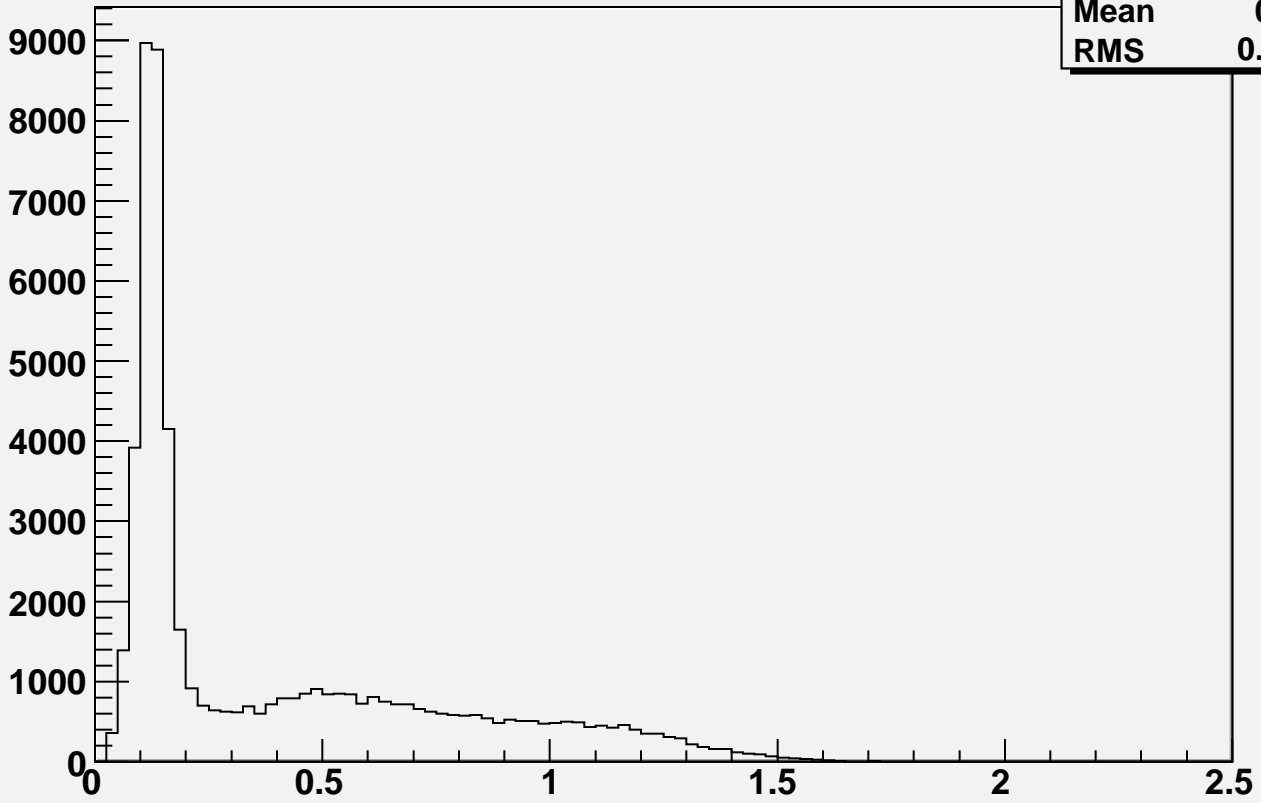


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.500000) < .05$

h2	
Entries	20313
Mean	0.4463
RMS	0.2987

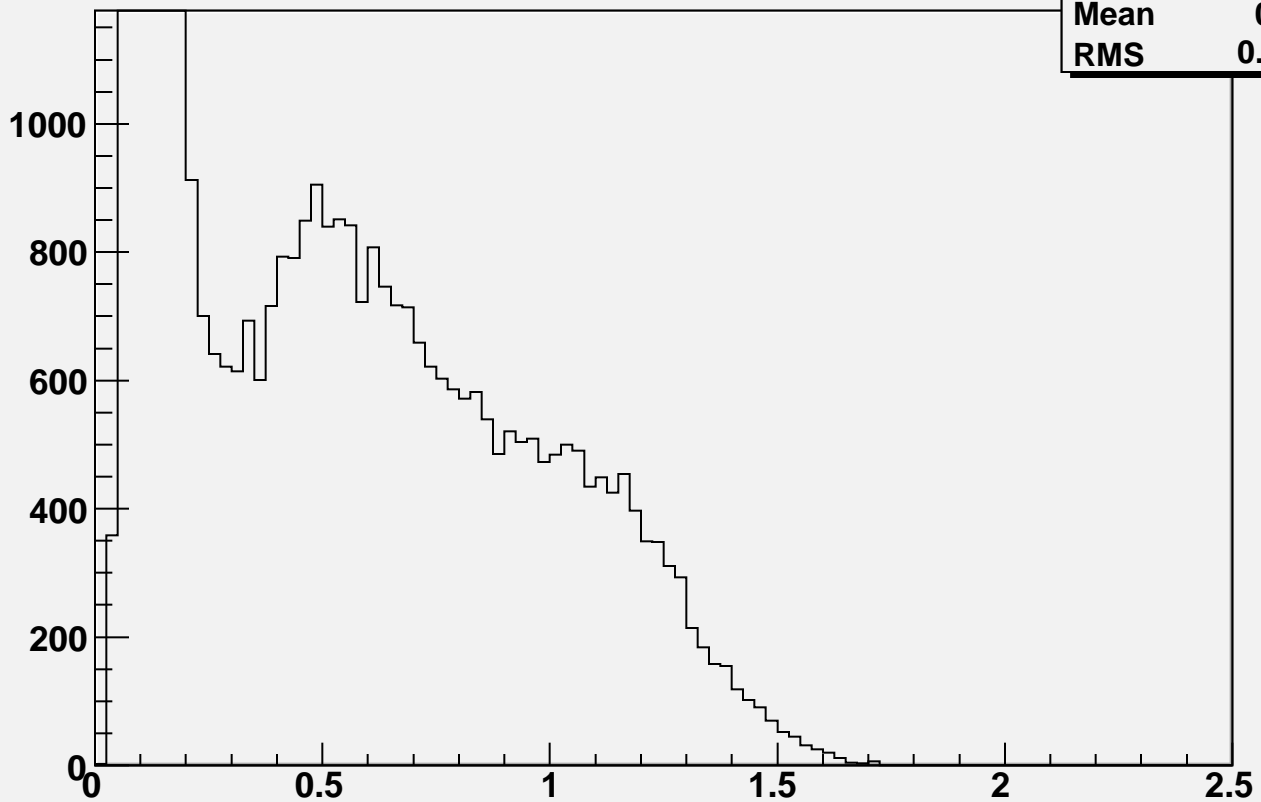


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.500000) < .05$



h1	
Entries	57279
Mean	0.411
RMS	0.3731

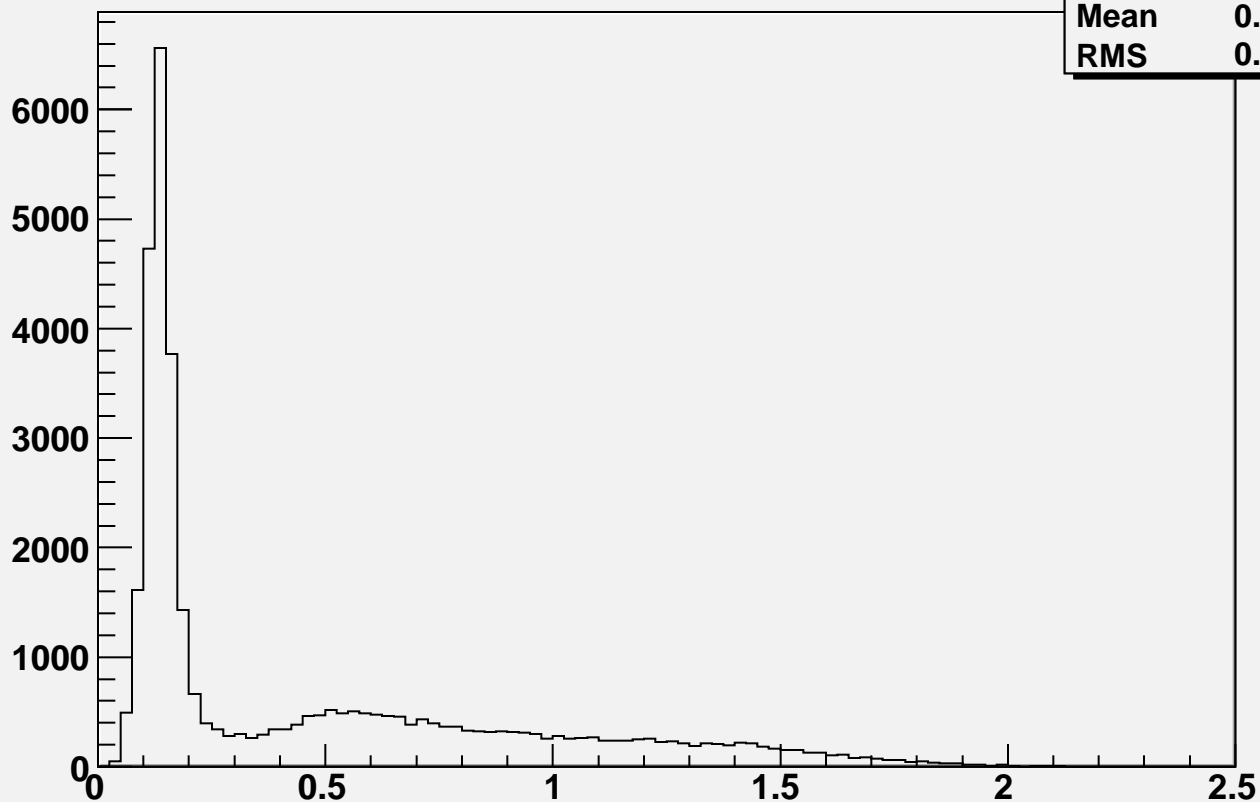
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.500000) < .05$



h2	
Entries	57279
Mean	0.411
RMS	0.3731

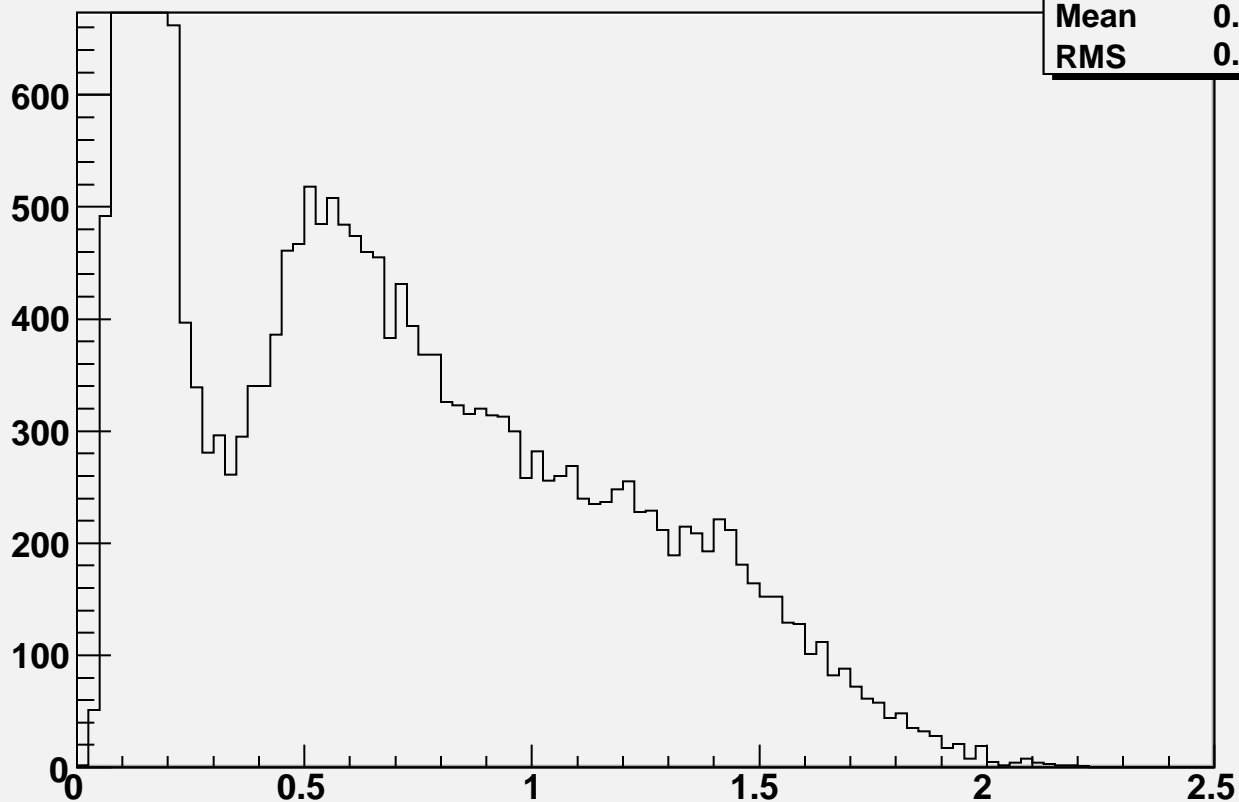
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.500000) < .05$

h1	
Entries	36934
Mean	0.4778
RMS	0.4559



$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.500000) < .05$

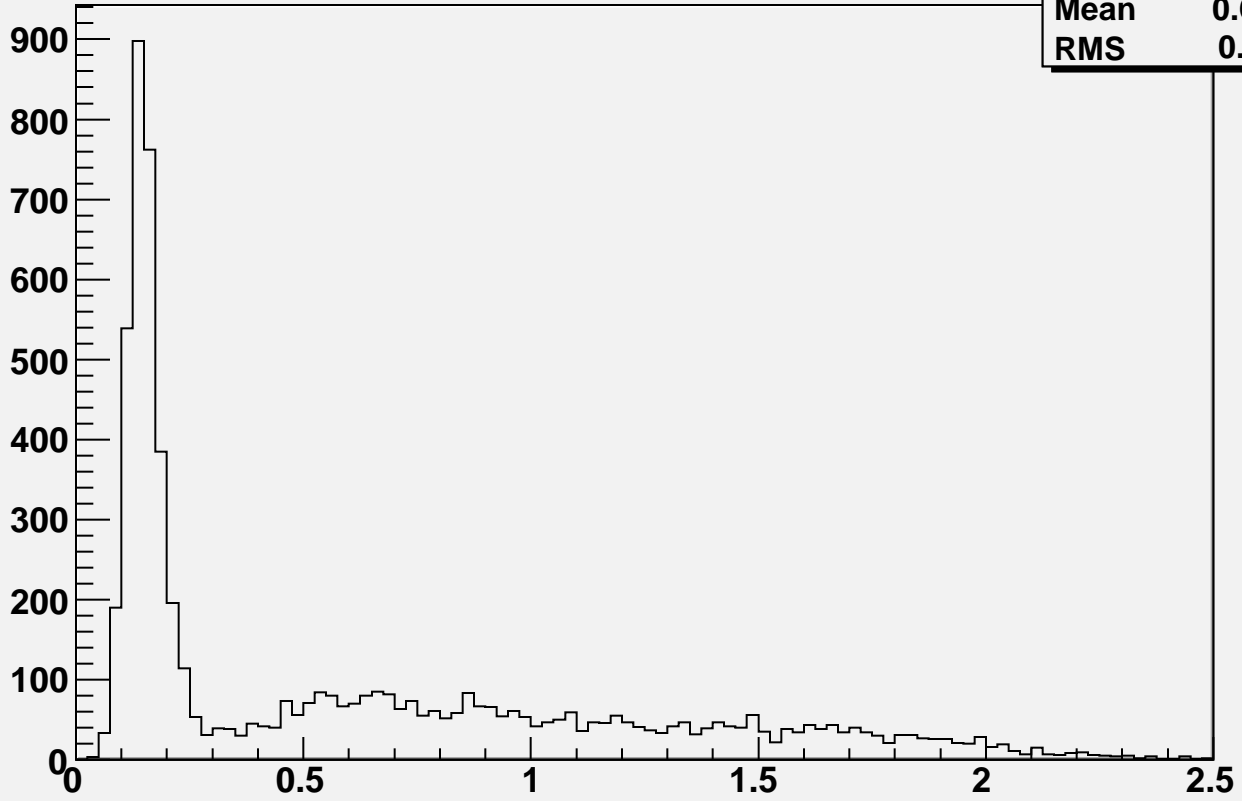
h2	
Entries	36934
Mean	0.4778
RMS	0.4559



$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.500000) < .05$

h1

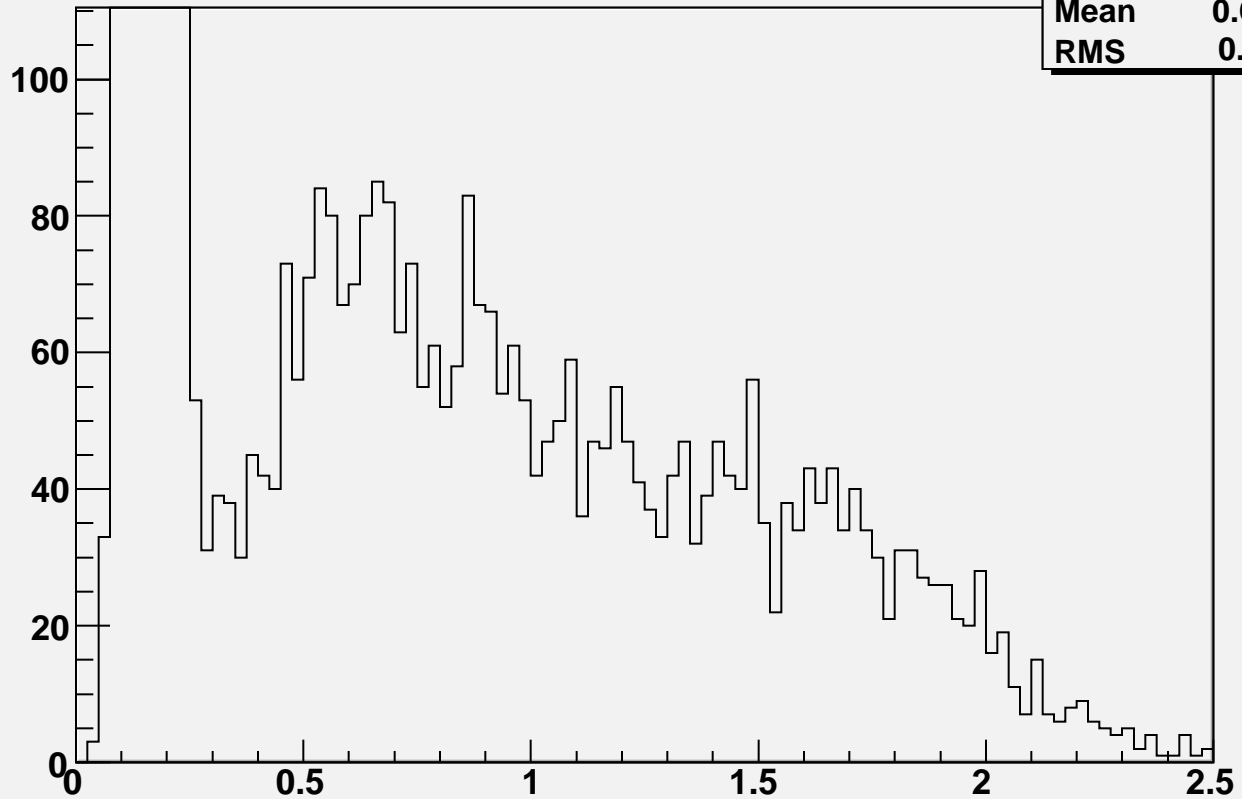
Entries	6576
Mean	0.6254
RMS	0.5821



$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.500000) < .05$

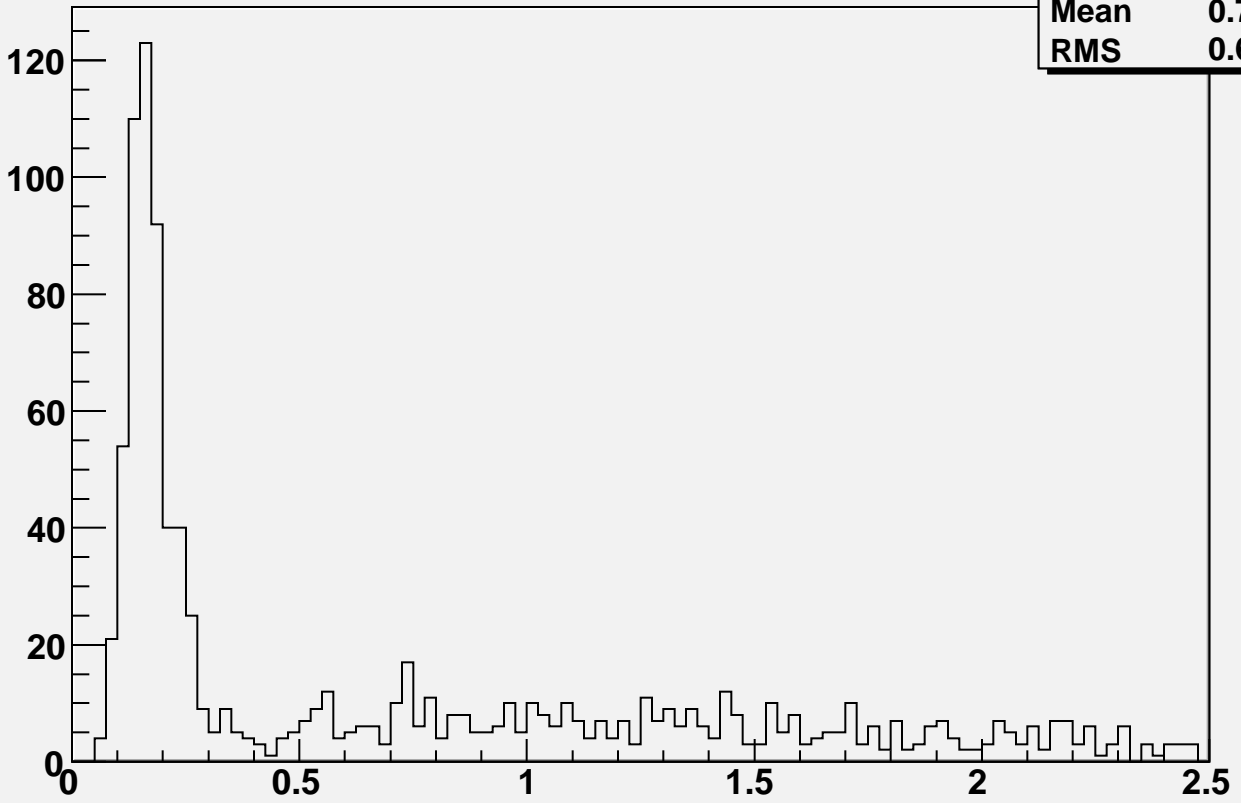
h2

Entries	6576
Mean	0.6254
RMS	0.5821



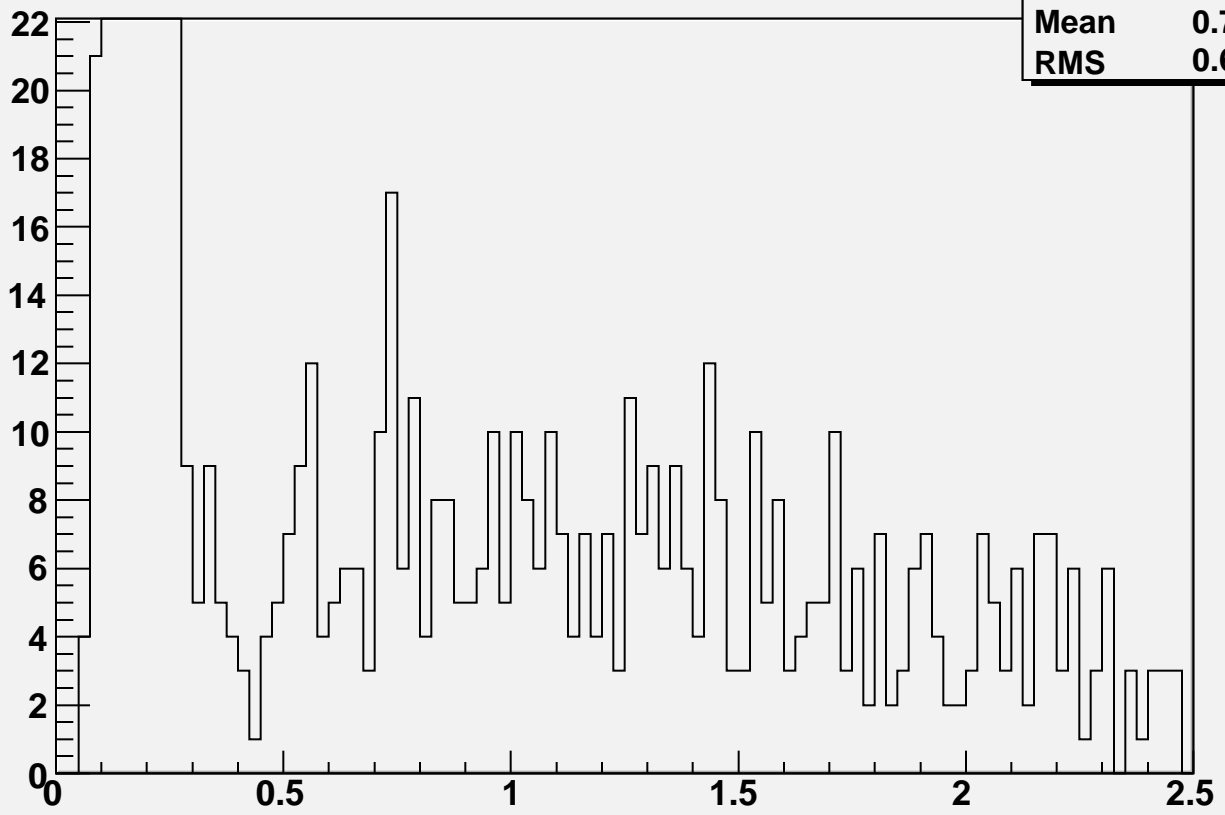
$N_{12} = 2$ & $Z < 0.7$ & $|\text{E}_{12} - 60.000000| < 5$ & $|\text{Eta} - 3.500000| < 0.05$

h1	
Entries	1023
Mean	0.7053
RMS	0.6793



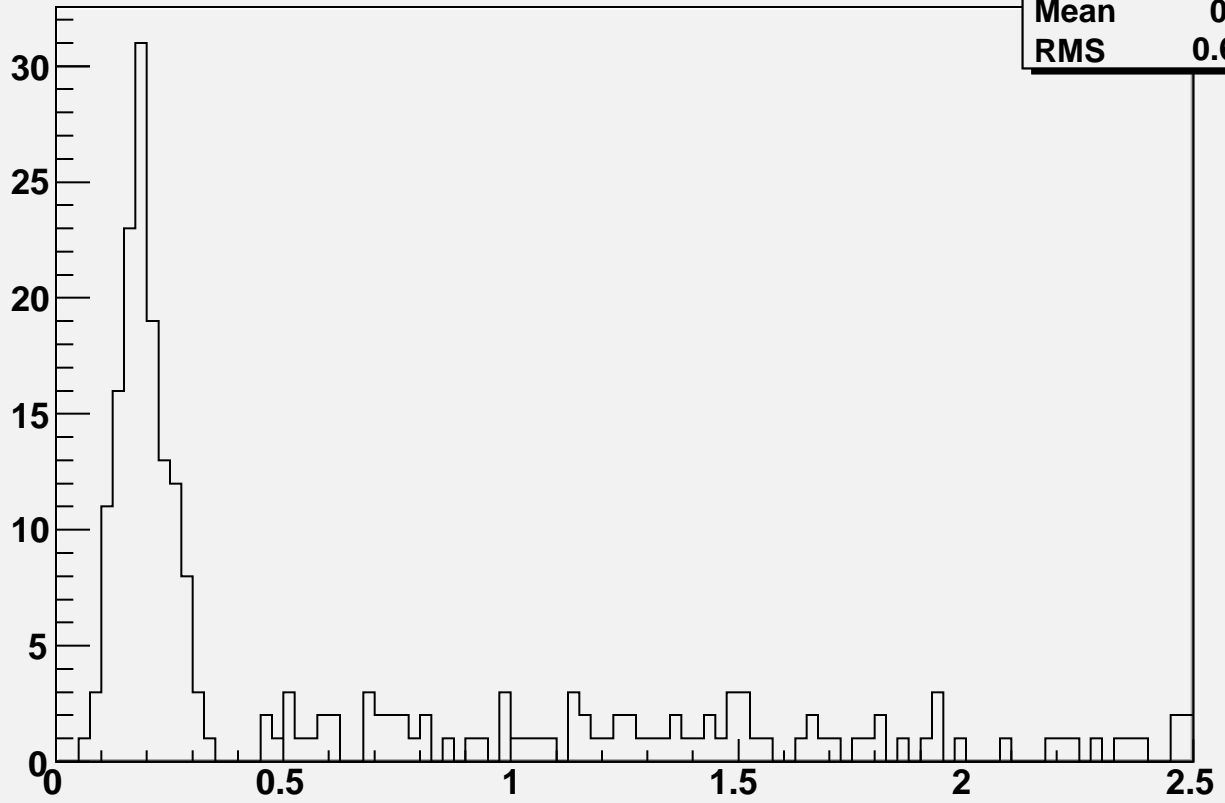
$N_{12} = 2$ & $Z < 0.7$ & $|\text{E}_{12} - 60.000000| < 5$ & $|\text{Eta} - 3.500000| < 0.05$

h2	
Entries	1023
Mean	0.7053
RMS	0.6793



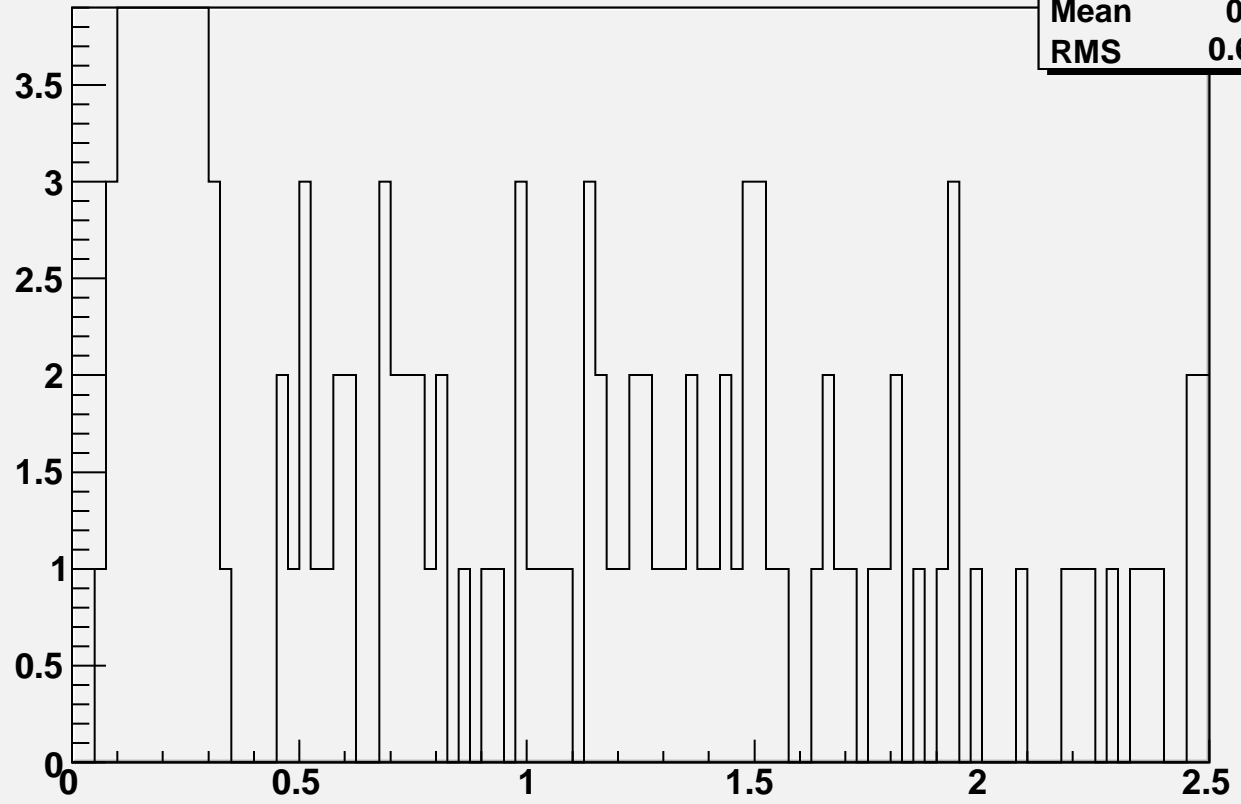
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 70.000000| < 5 \text{ \& \& } |\text{Eta} - 3.500000| < .05$

h1	
Entries	245
Mean	0.634
RMS	0.6595

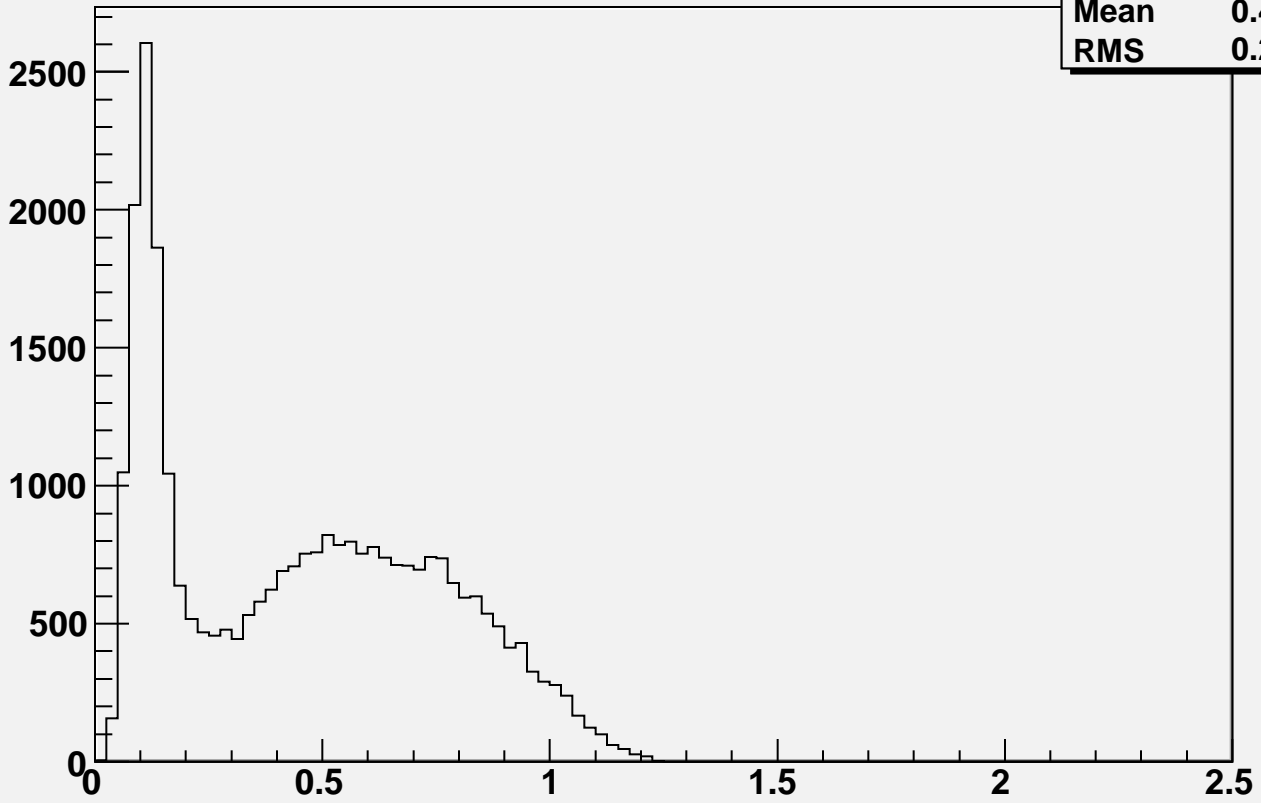


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 70.000000| < 5 \text{ \& \& } |\text{Eta} - 3.500000| < .05$

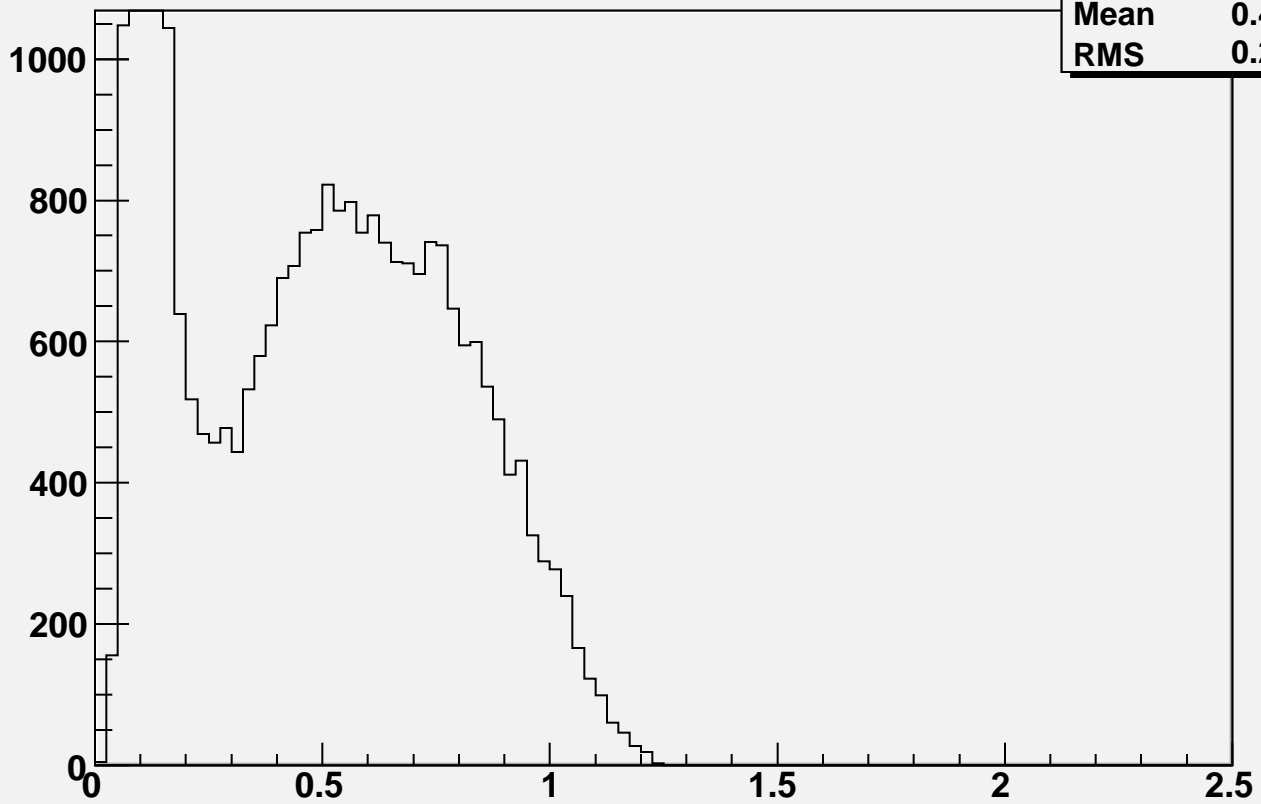
h2	
Entries	245
Mean	0.634
RMS	0.6595



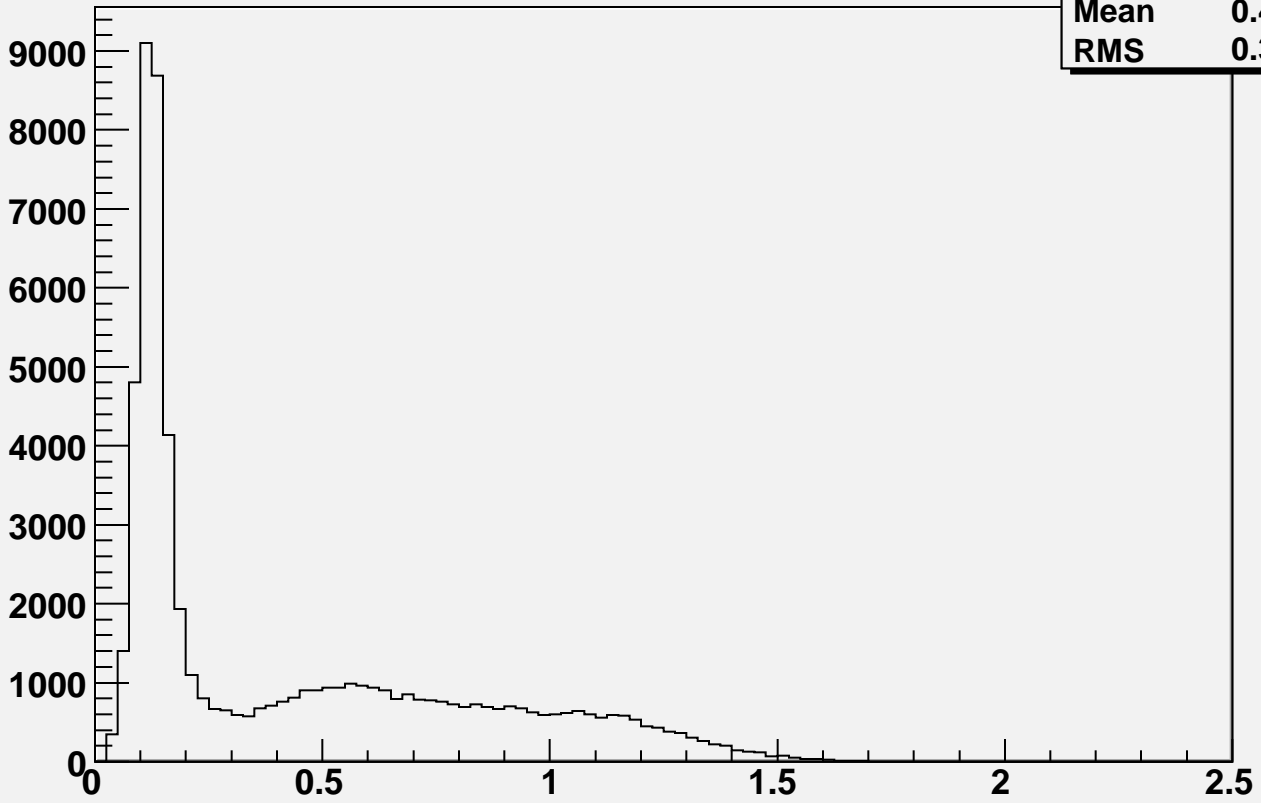
$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12} - 20.000000)| < 5$ & $|\ln(\eta - 3.400000)| < 0.05$



$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12} - 20.000000)| < 5$ & $|\ln(\eta - 3.400000)| < 0.05$

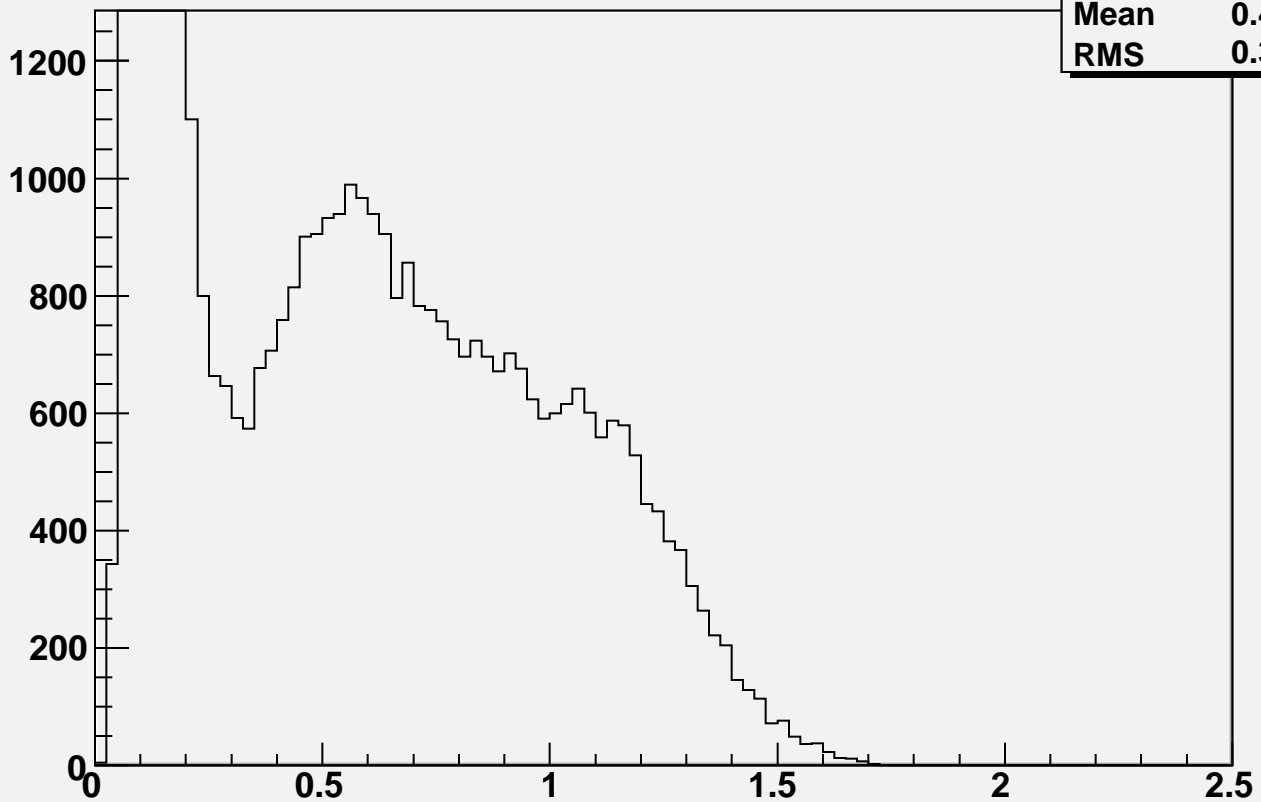


$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12} - 30.000000)| < 5$ & $|\ln(\eta - 3.400000)| < 0.05$



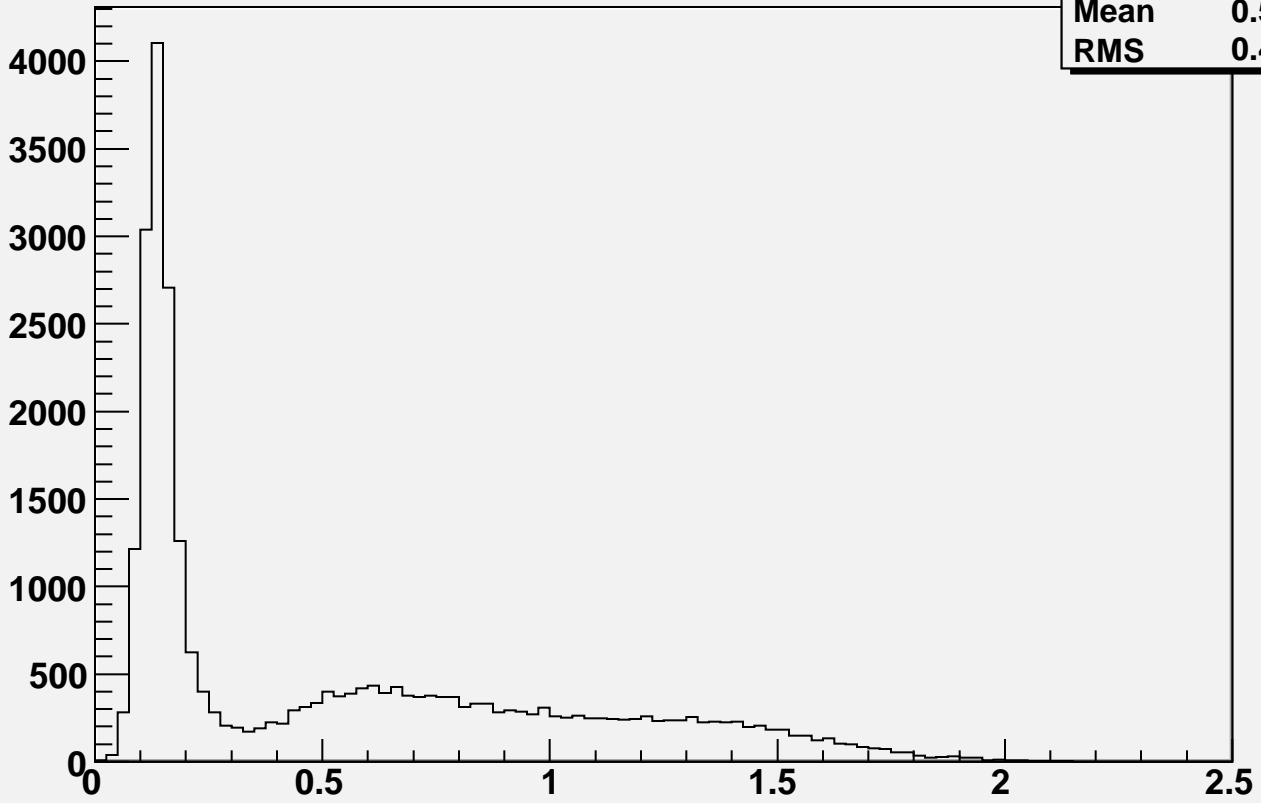
h1	
Entries	63334
Mean	0.4429
RMS	0.3886

$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12} - 30.000000)| < 5$ & $|\ln(\eta - 3.400000)| < 0.05$



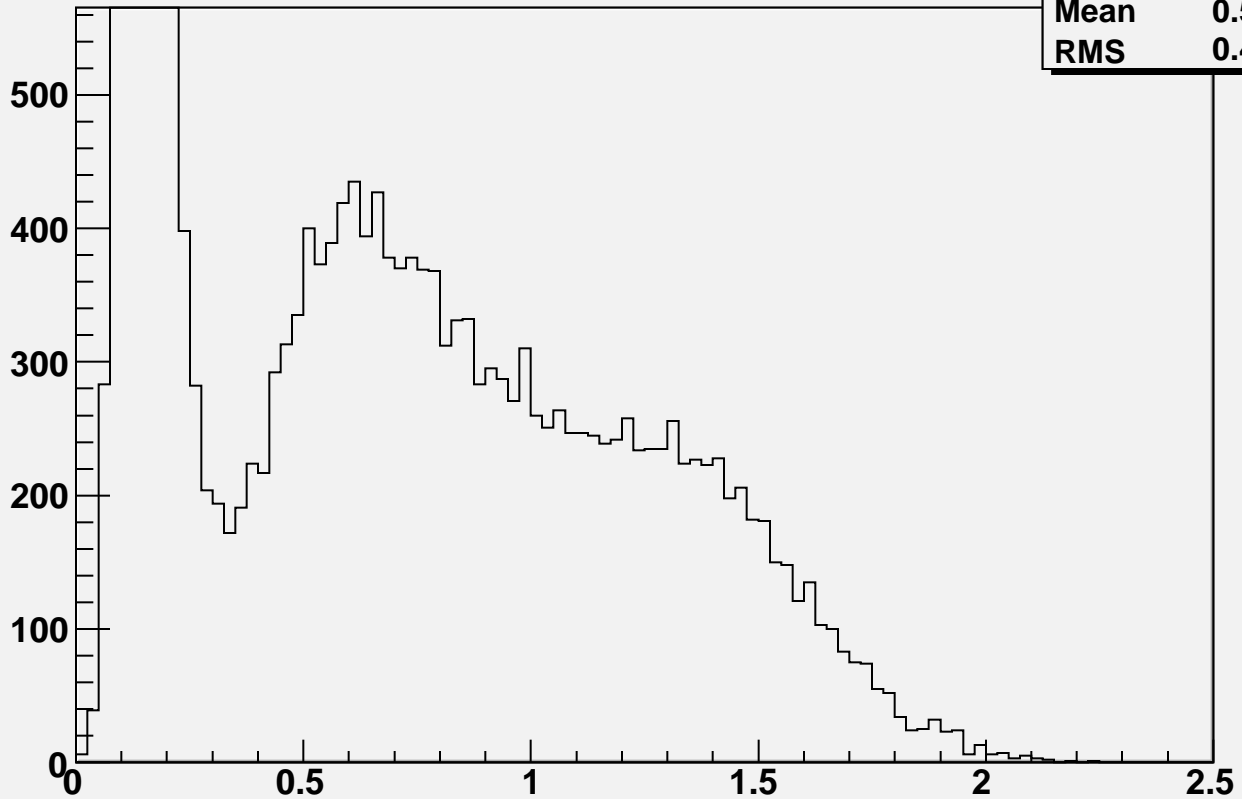
h2	
Entries	63334
Mean	0.4429
RMS	0.3886

$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 40.000000) < 5. \text{ \& \& abs}(\text{Eta} - 3.400000) < .05$



h1	
Entries	29408
Mean	0.5569
RMS	0.4859

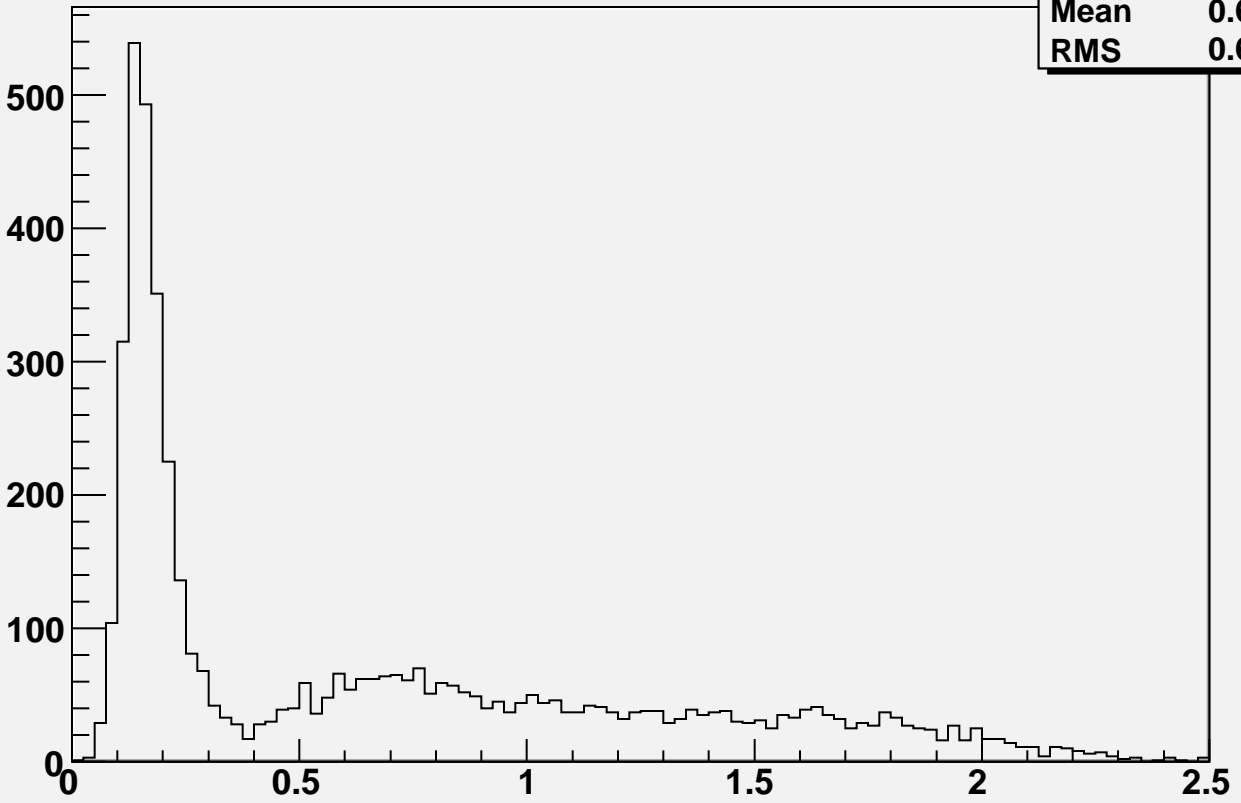
$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 40.000000) < 5. \text{ \& \& abs}(\text{Eta} - 3.400000) < .05$



h2	
Entries	29408
Mean	0.5569
RMS	0.4859

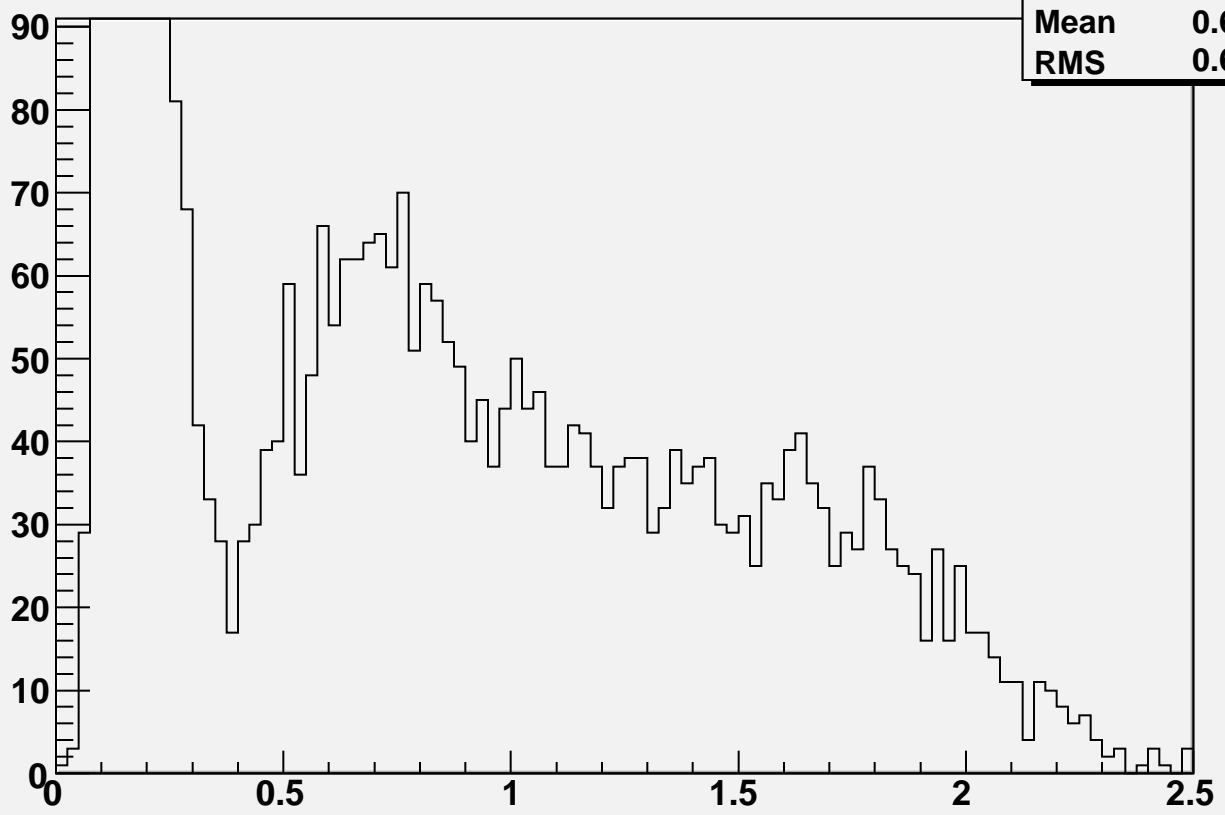
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.400000) < .05$

h1	
Entries	5146
Mean	0.6813
RMS	0.6009



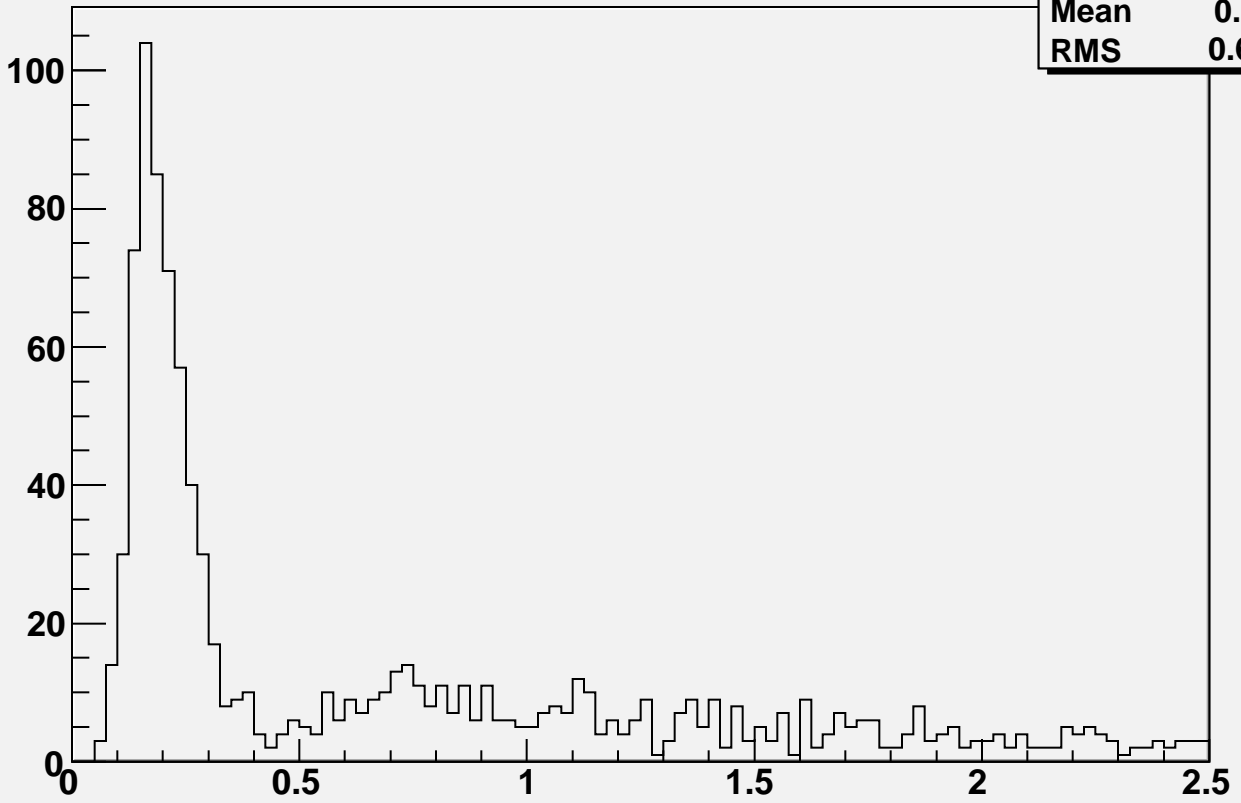
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.400000) < .05$

h2	
Entries	5146
Mean	0.6813
RMS	0.6009



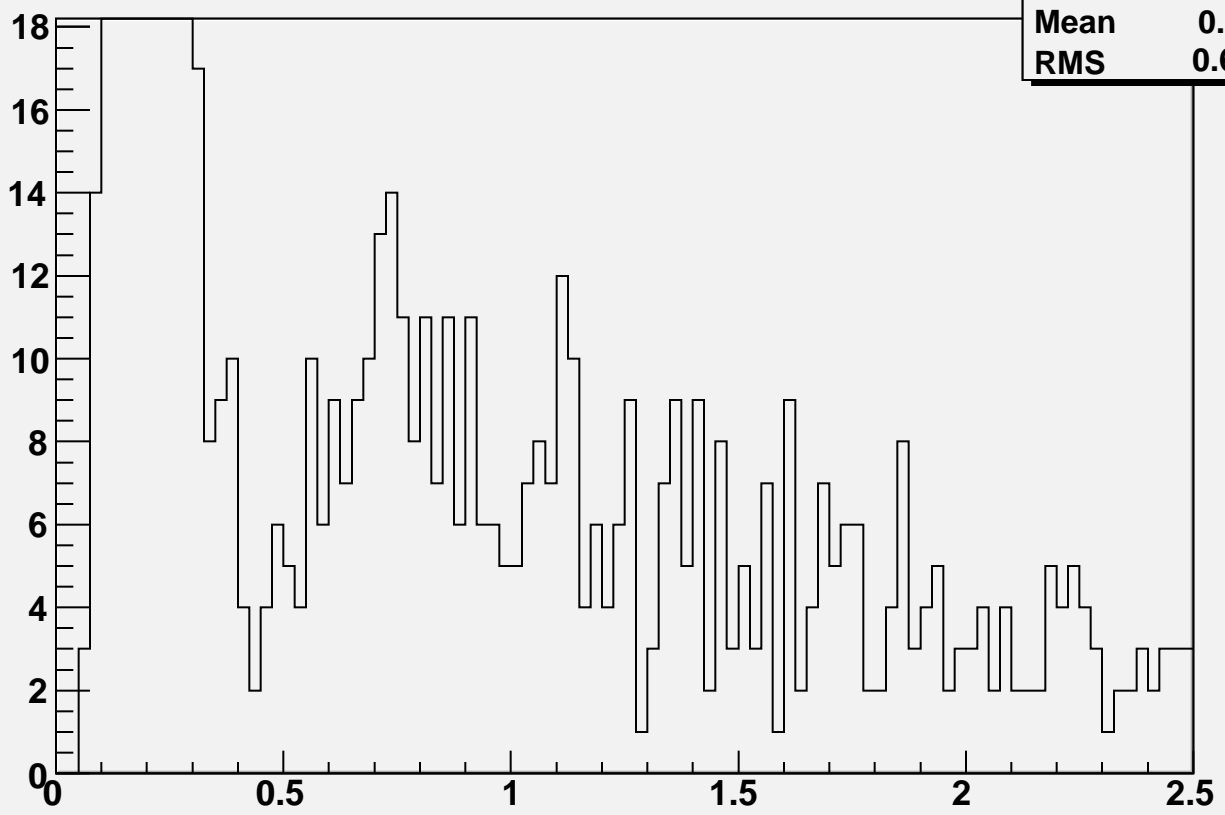
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 60.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.400000) < .05$

h1	
Entries	1020
Mean	0.6781
RMS	0.6449



$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 60.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.400000) < .05$

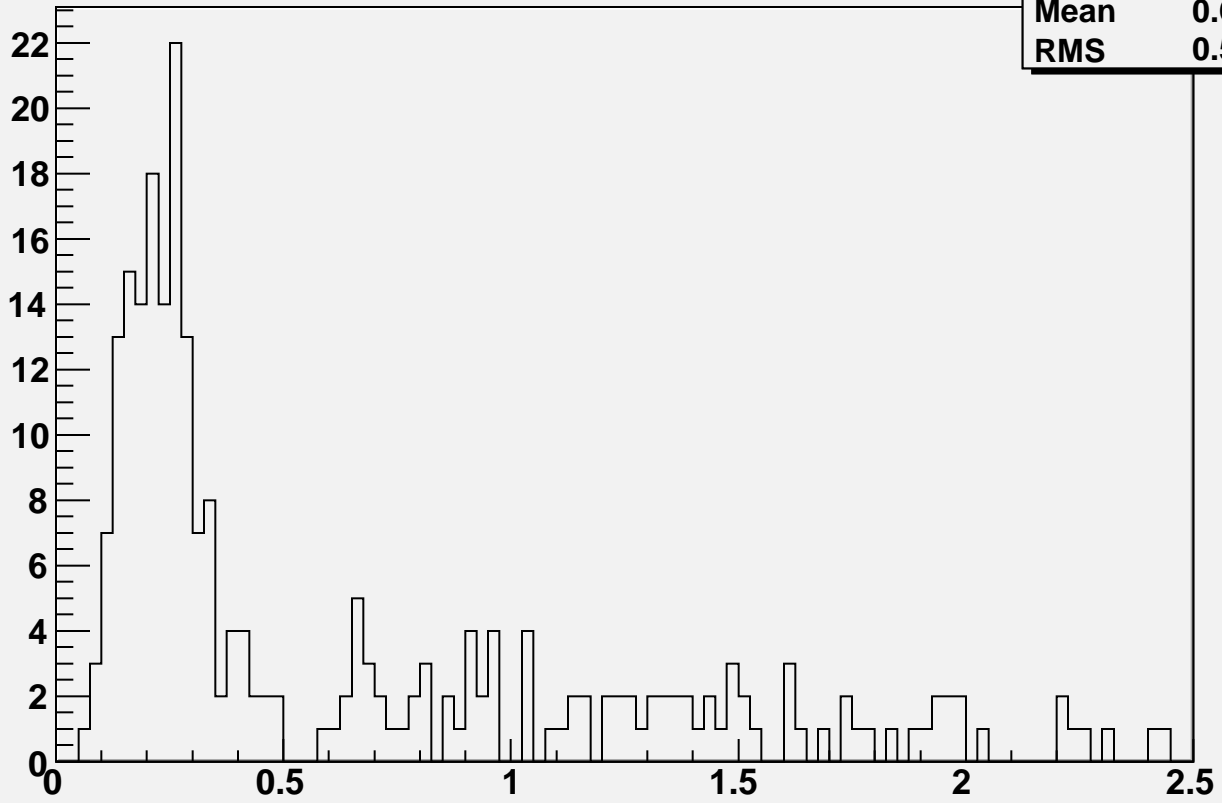
h2	
Entries	1020
Mean	0.6781
RMS	0.6449



$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 70.000000) < 5. \text{ \& \& abs}(\text{Eta} - 3.400000) < .05$

h1

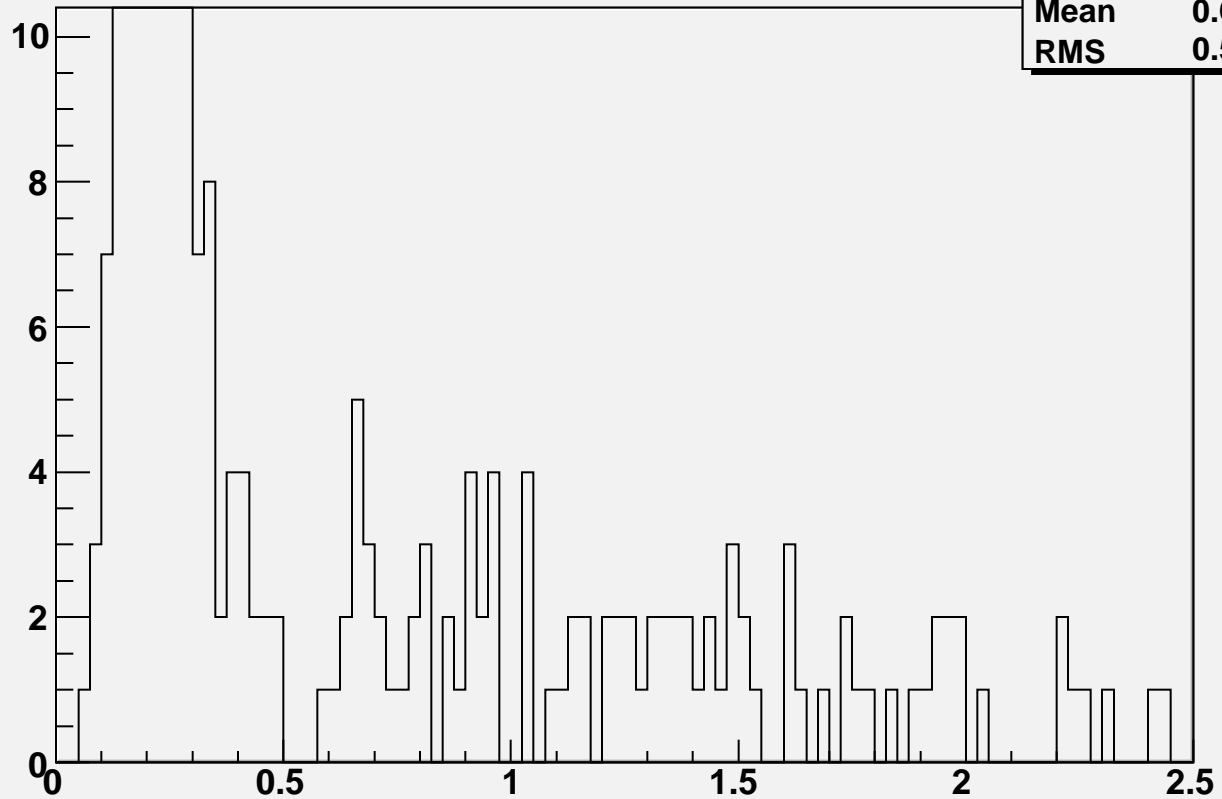
Entries	259
Mean	0.6465
RMS	0.5996



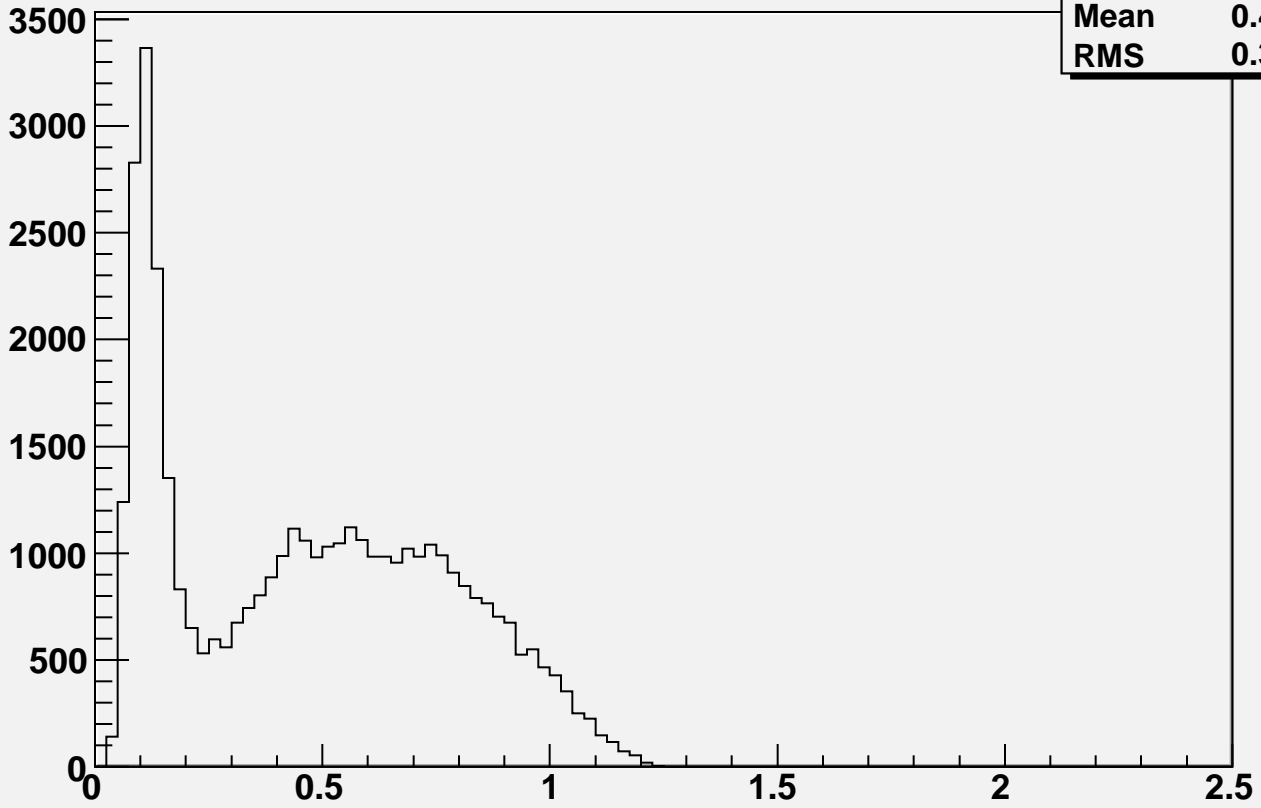
$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 70.000000) < 5. \text{ \& \& abs}(\text{Eta} - 3.400000) < .05$

h2

Entries	259
Mean	0.6465
RMS	0.5996

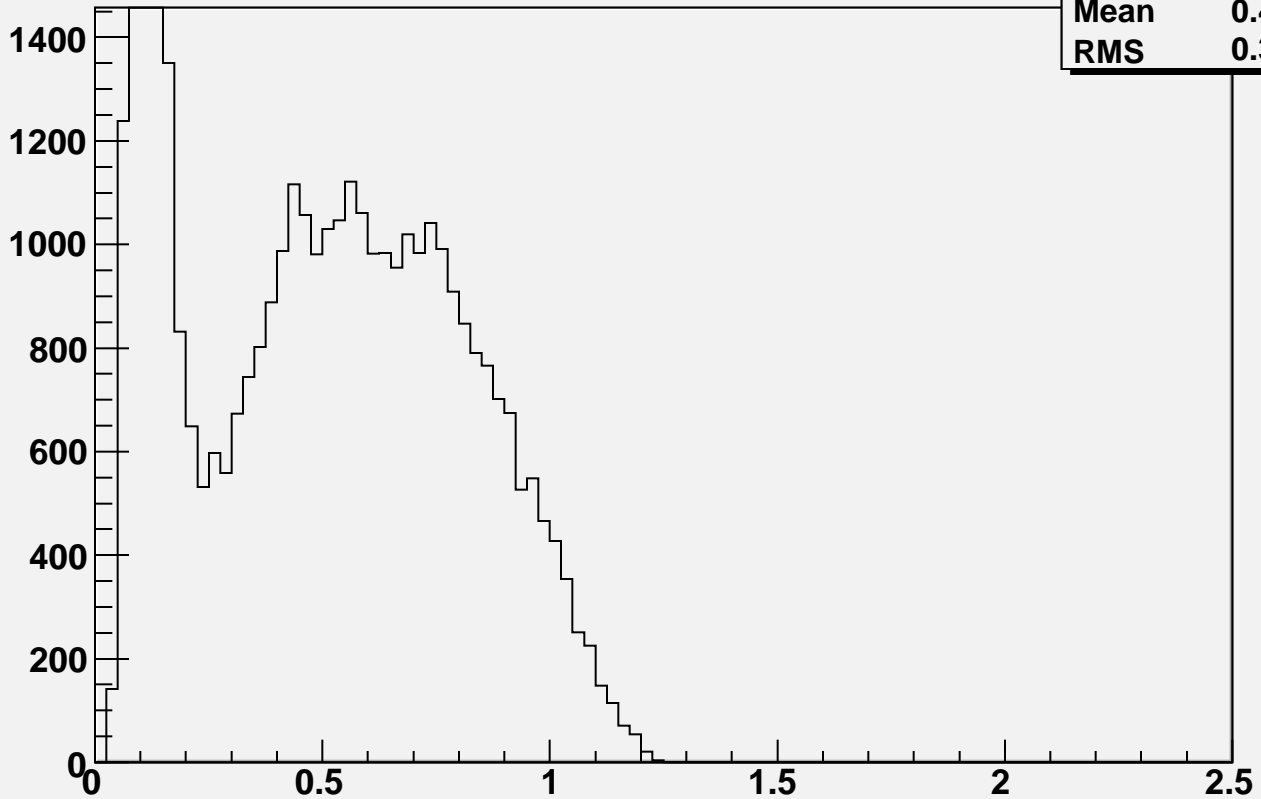


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.300000) < .05$



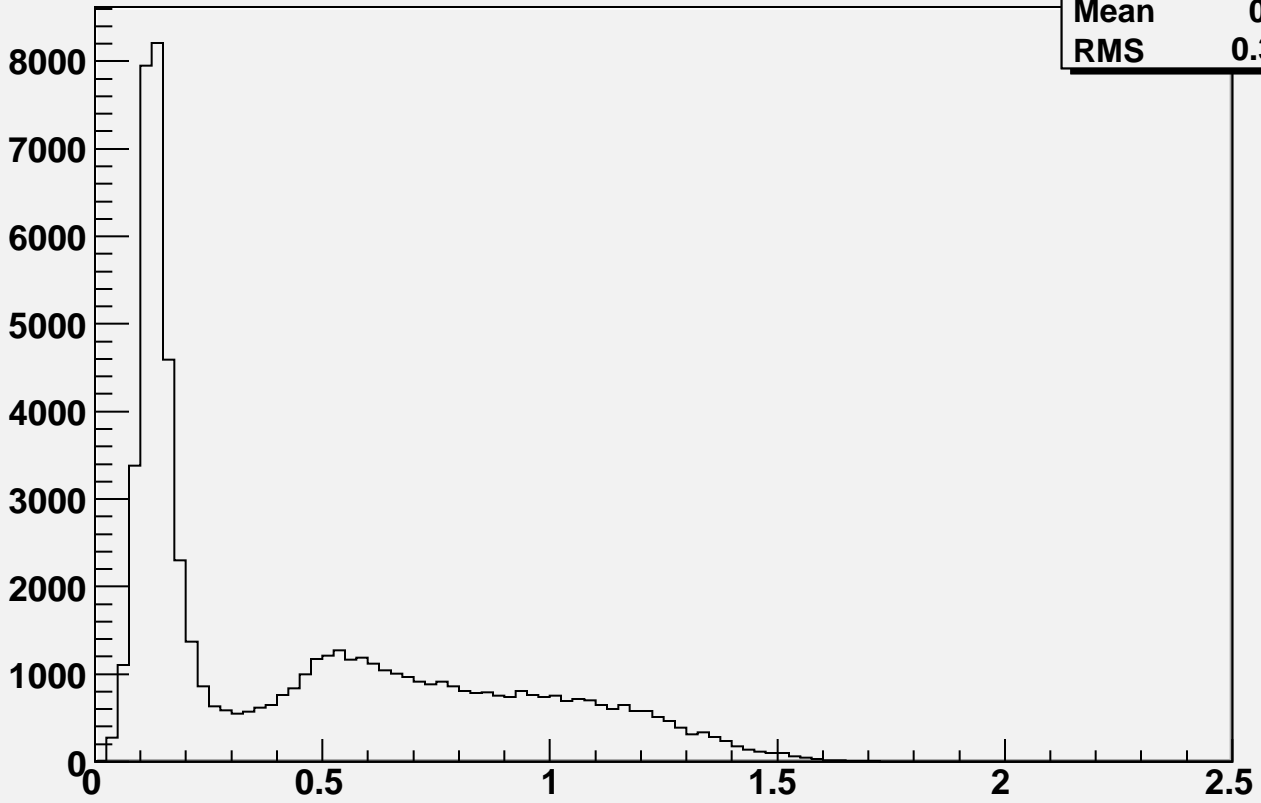
h1	
Entries	40785
Mean	0.4733
RMS	0.3018

$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.300000) < .05$



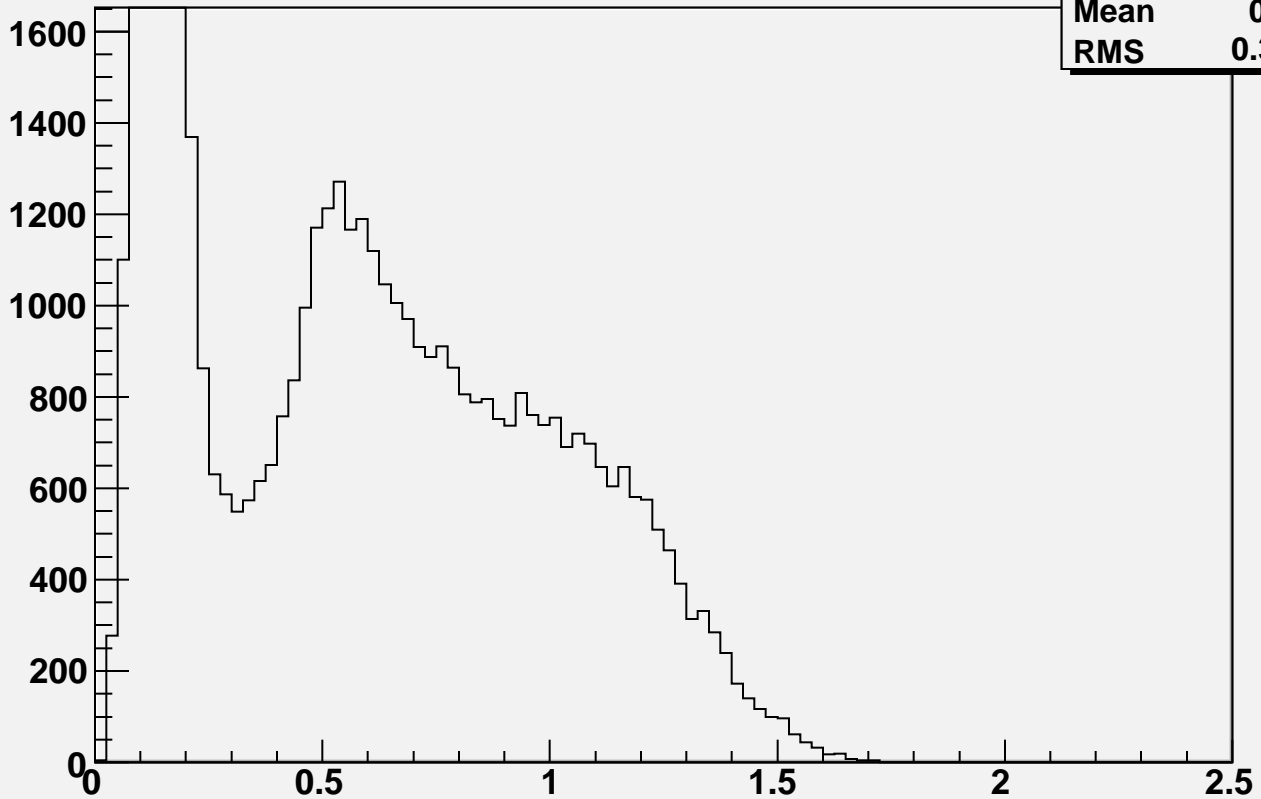
h2	
Entries	40785
Mean	0.4733
RMS	0.3018

$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12} - 30.000000)| < 5$ & $|\ln(\eta - 3.300000)| < 0.05$



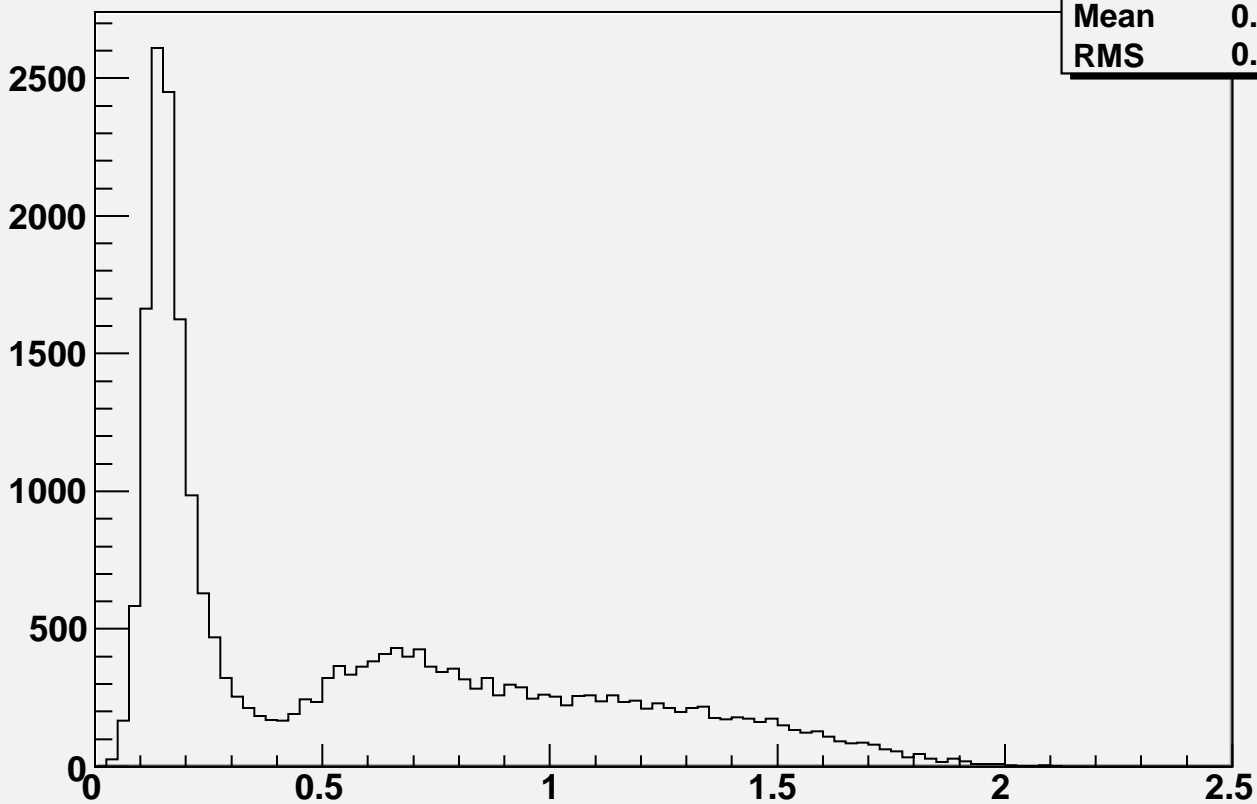
h1	
Entries	65422
Mean	0.483
RMS	0.3932

$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12} - 30.000000)| < 5$ & $|\ln(\eta - 3.300000)| < 0.05$



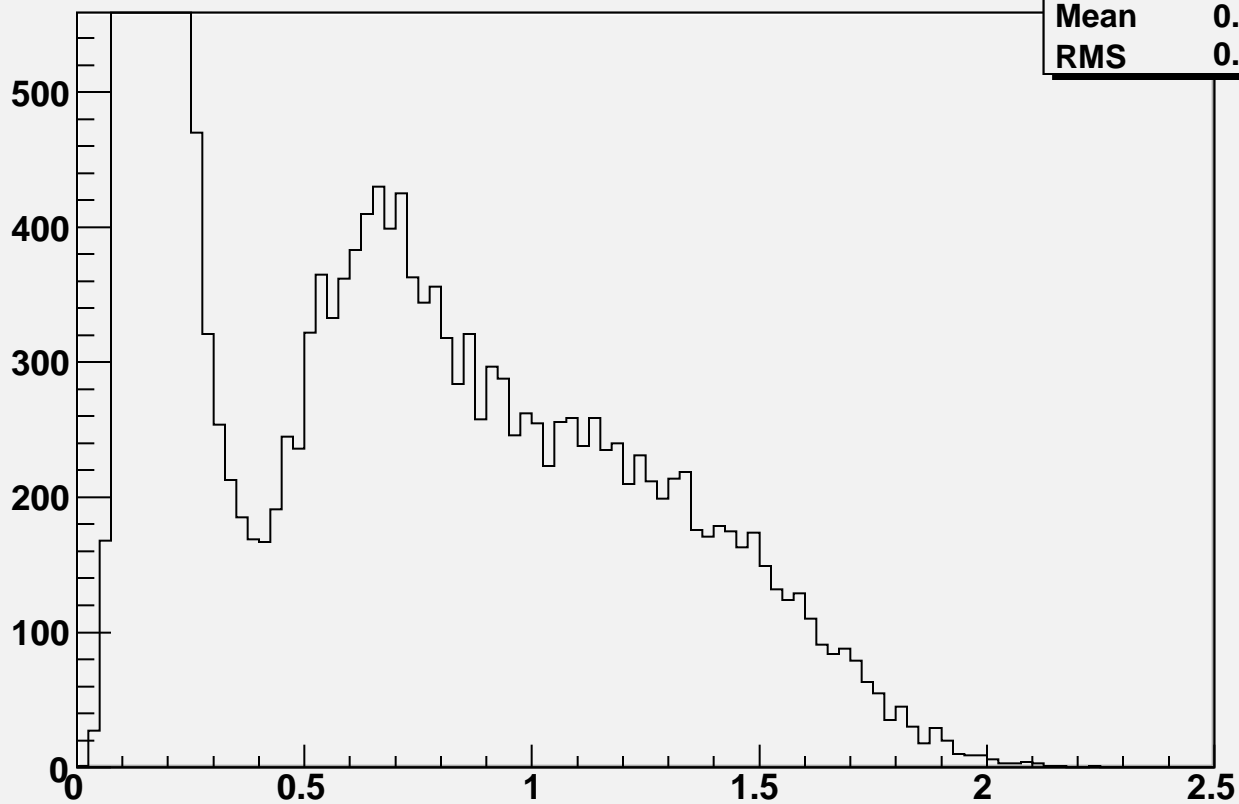
h2	
Entries	65422
Mean	0.483
RMS	0.3932

$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 40.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.300000) < .05$



h1	
Entries	25578
Mean	0.5867
RMS	0.4782

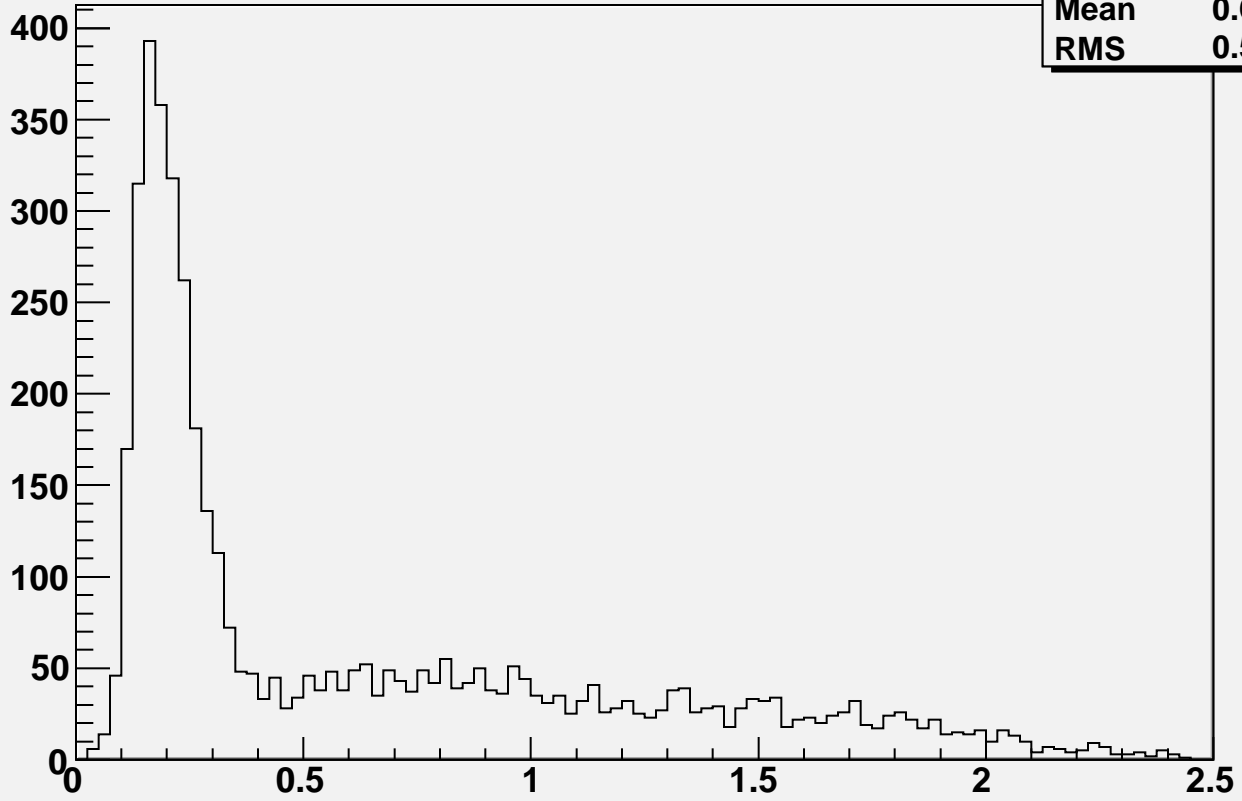
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 40.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.300000) < .05$



h2	
Entries	25578
Mean	0.5867
RMS	0.4782

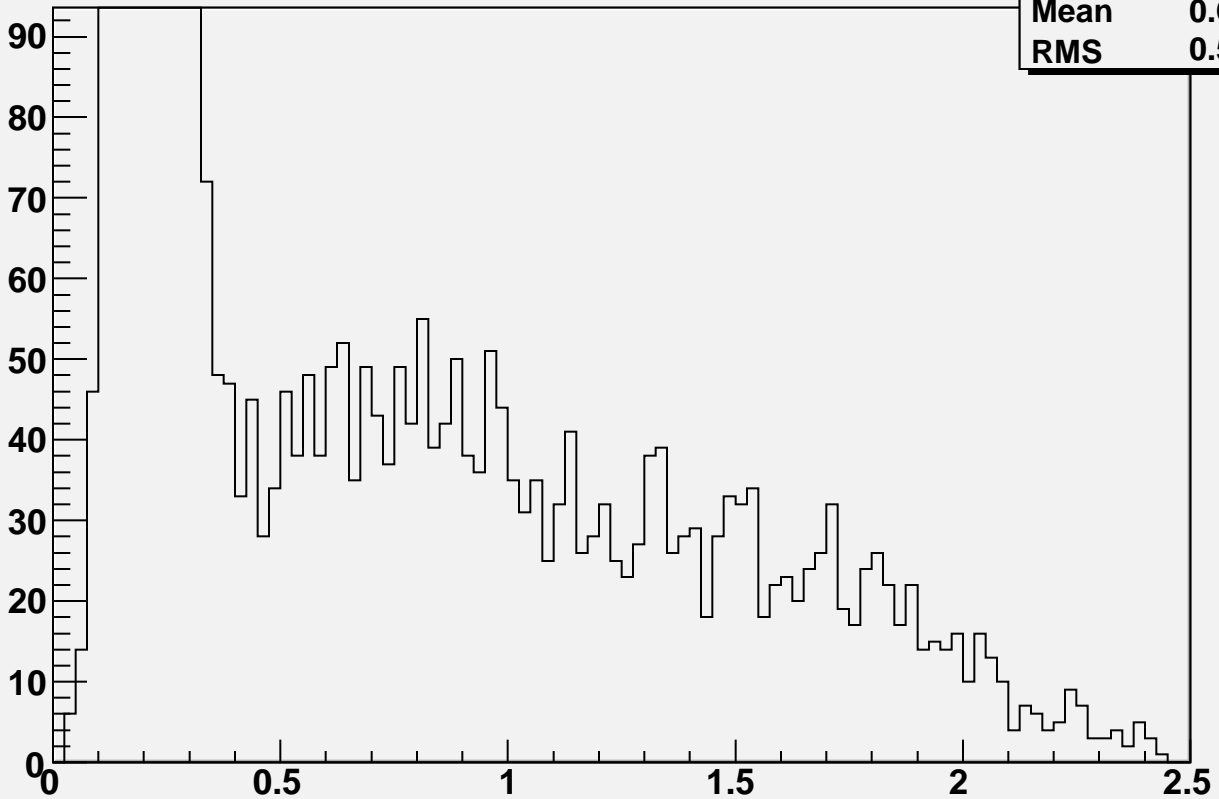
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 50.000000| < 5. \text{ \& \& } |\text{Eta} - 3.300000| < .05$

h1	
Entries	4652
Mean	0.6398
RMS	0.5732



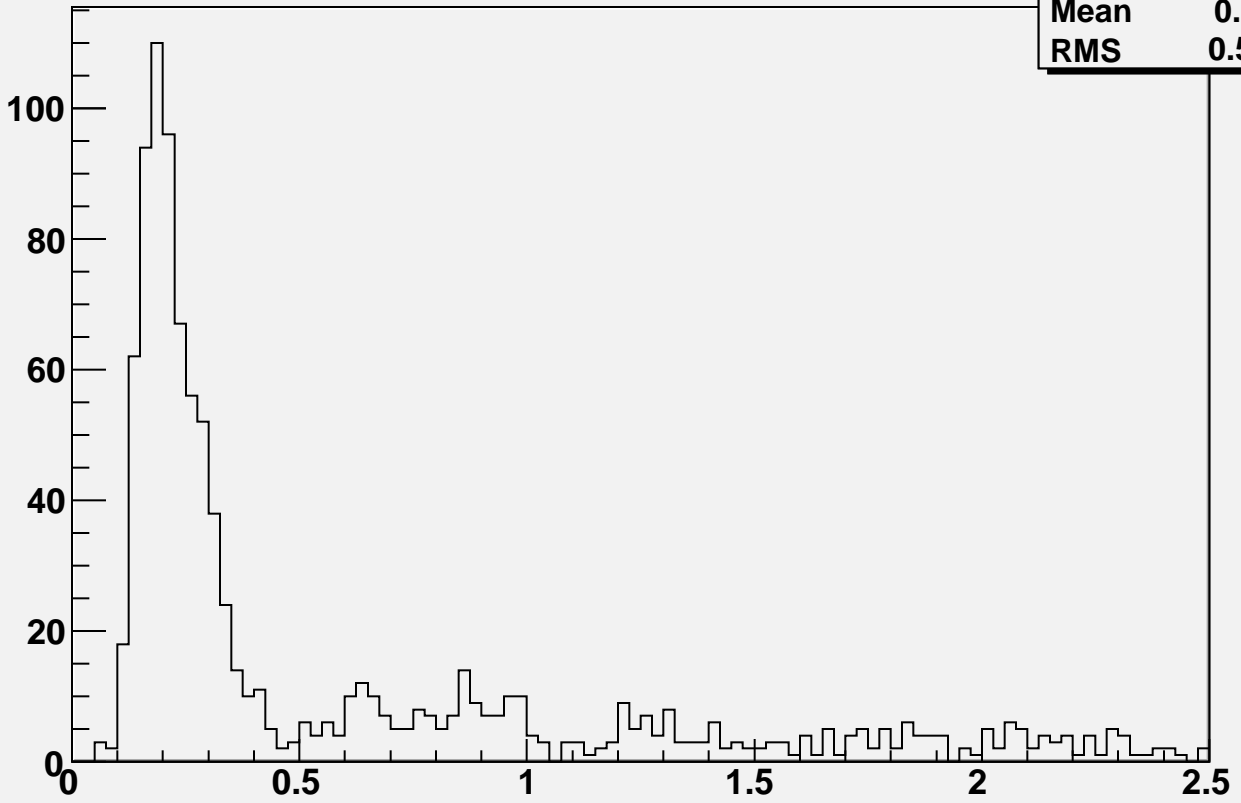
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 50.000000| < 5. \text{ \& \& } |\text{Eta} - 3.300000| < .05$

h2	
Entries	4652
Mean	0.6398
RMS	0.5732



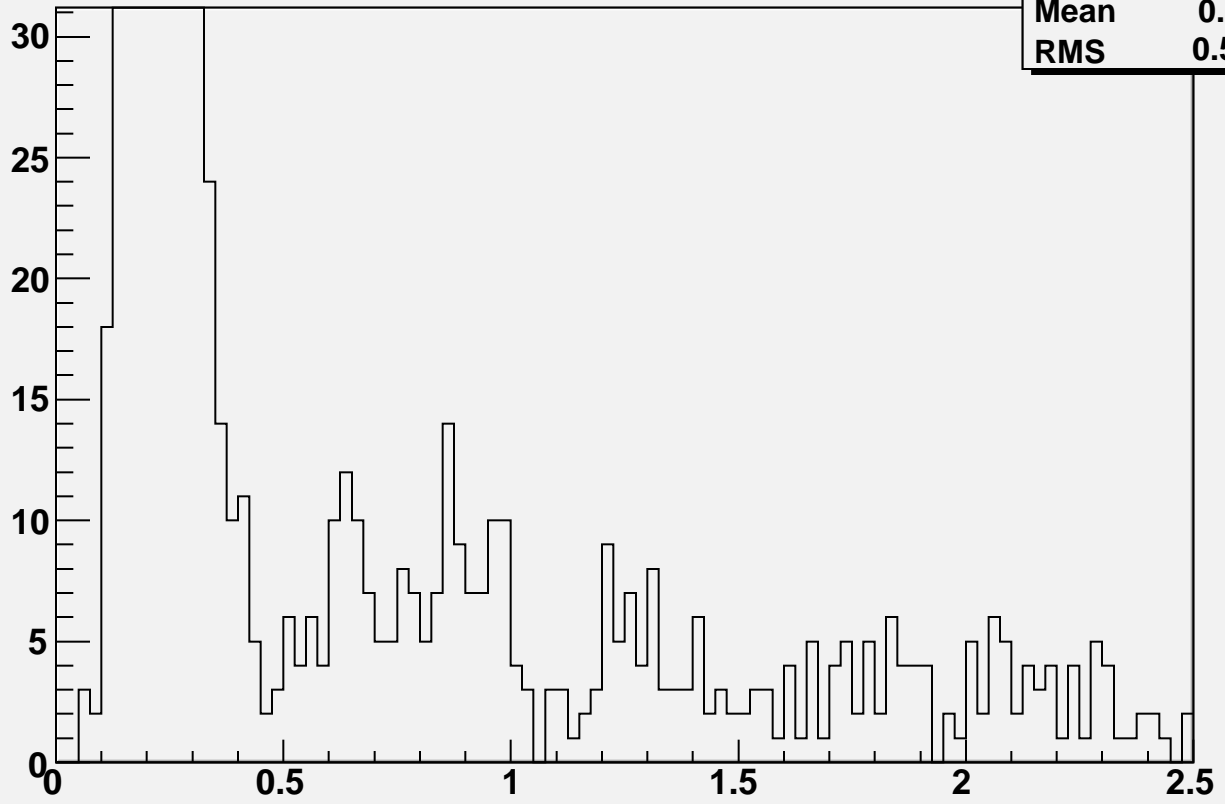
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 60.000000| < 5 \text{ \& \& } |\text{Eta} - 3.300000| < .05$

h1	
Entries	1019
Mean	0.5811
RMS	0.5956



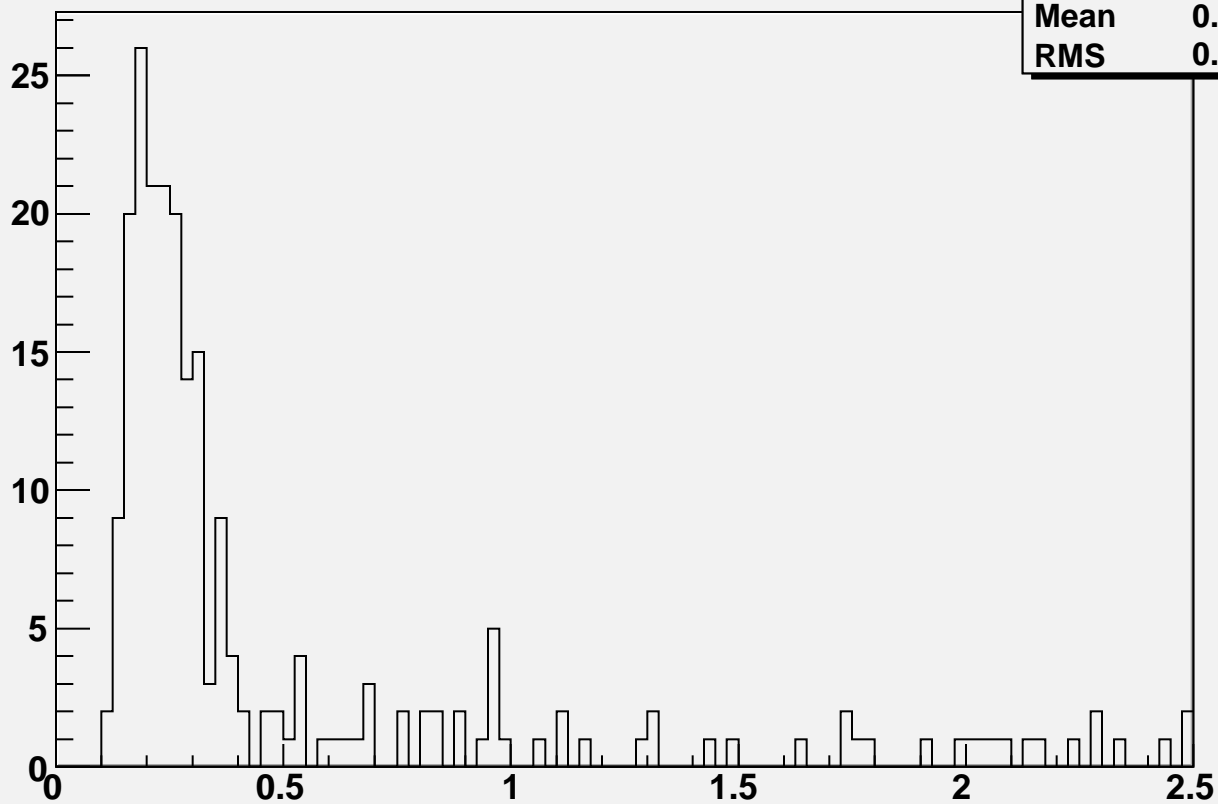
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 60.000000| < 5 \text{ \& \& } |\text{Eta} - 3.300000| < .05$

h2	
Entries	1019
Mean	0.5811
RMS	0.5956



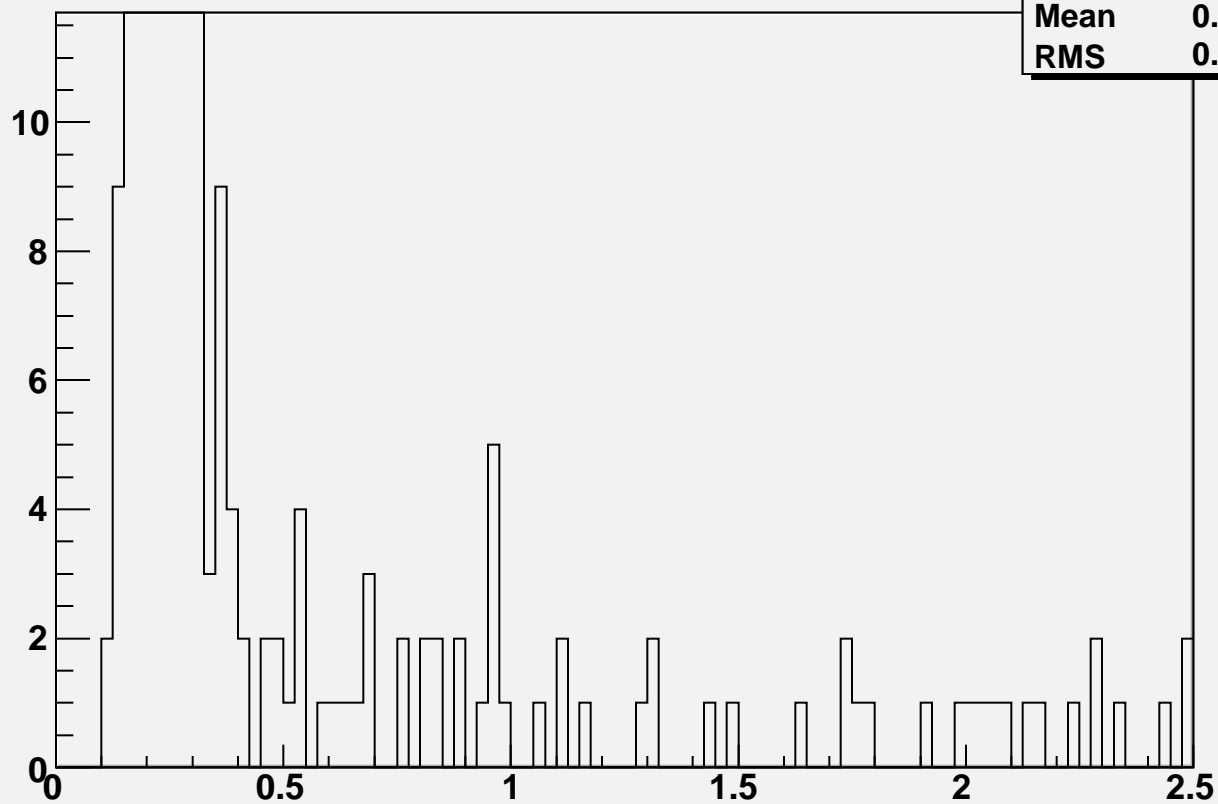
$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 70.000000) < 5. \text{ \& \& abs}(\text{Eta} - 3.300000) < .05$

h1	
Entries	233
Mean	0.5086
RMS	0.5614



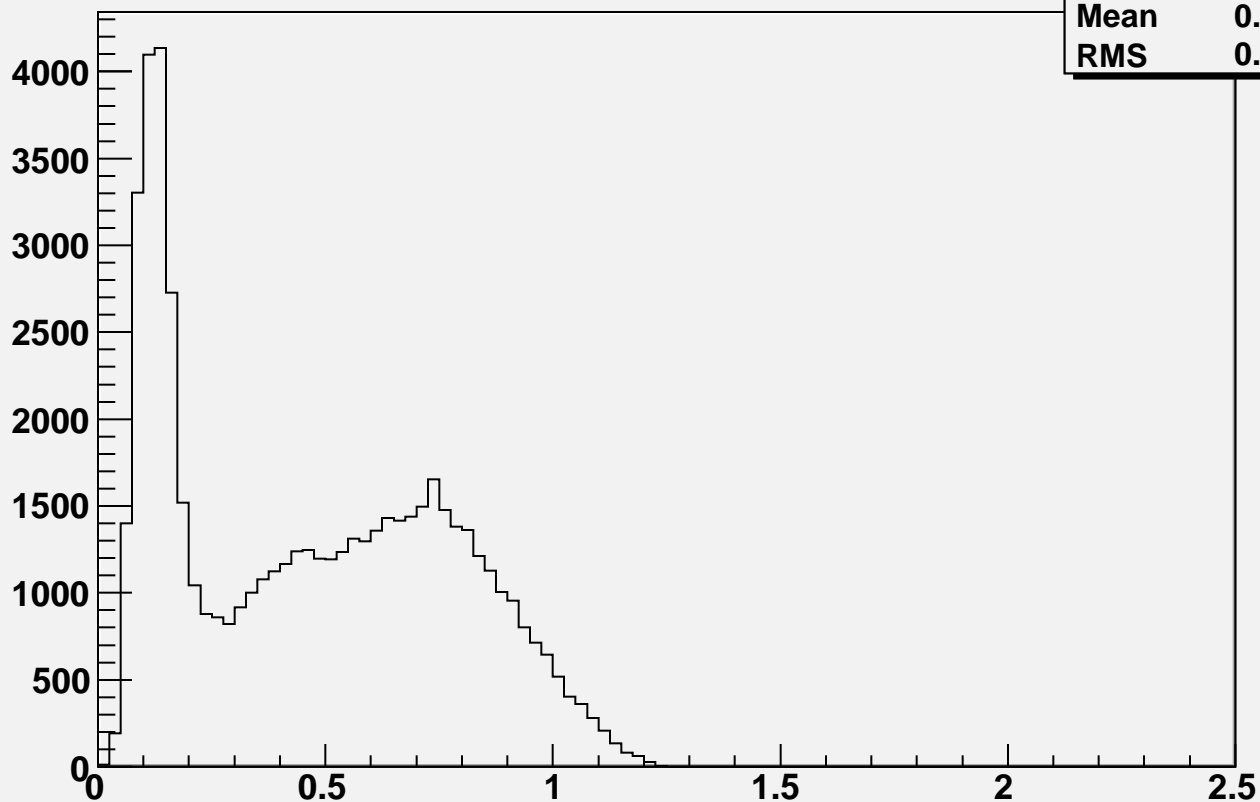
$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 70.000000) < 5. \text{ \& \& abs}(\text{Eta} - 3.300000) < .05$

h2	
Entries	233
Mean	0.5086
RMS	0.5614



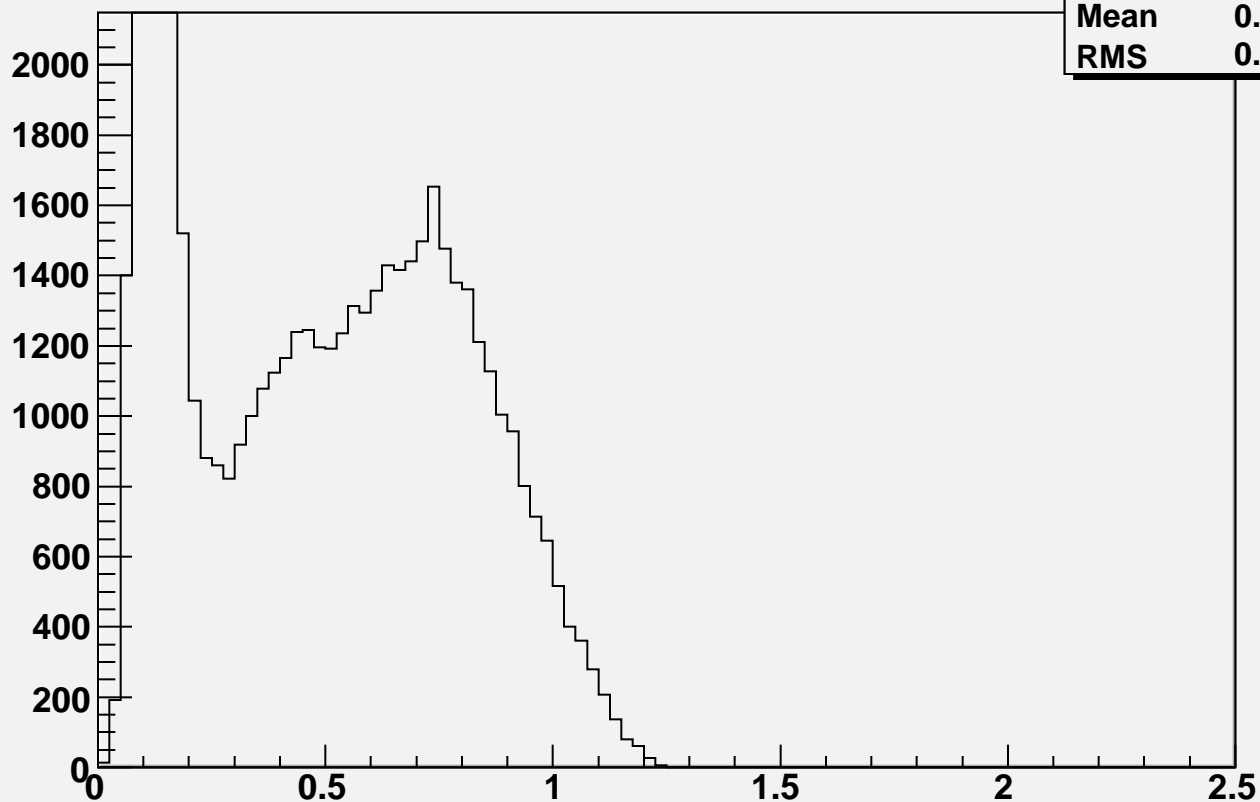
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.200000) < .05$

h1	
Entries	56548
Mean	0.4733
RMS	0.3028

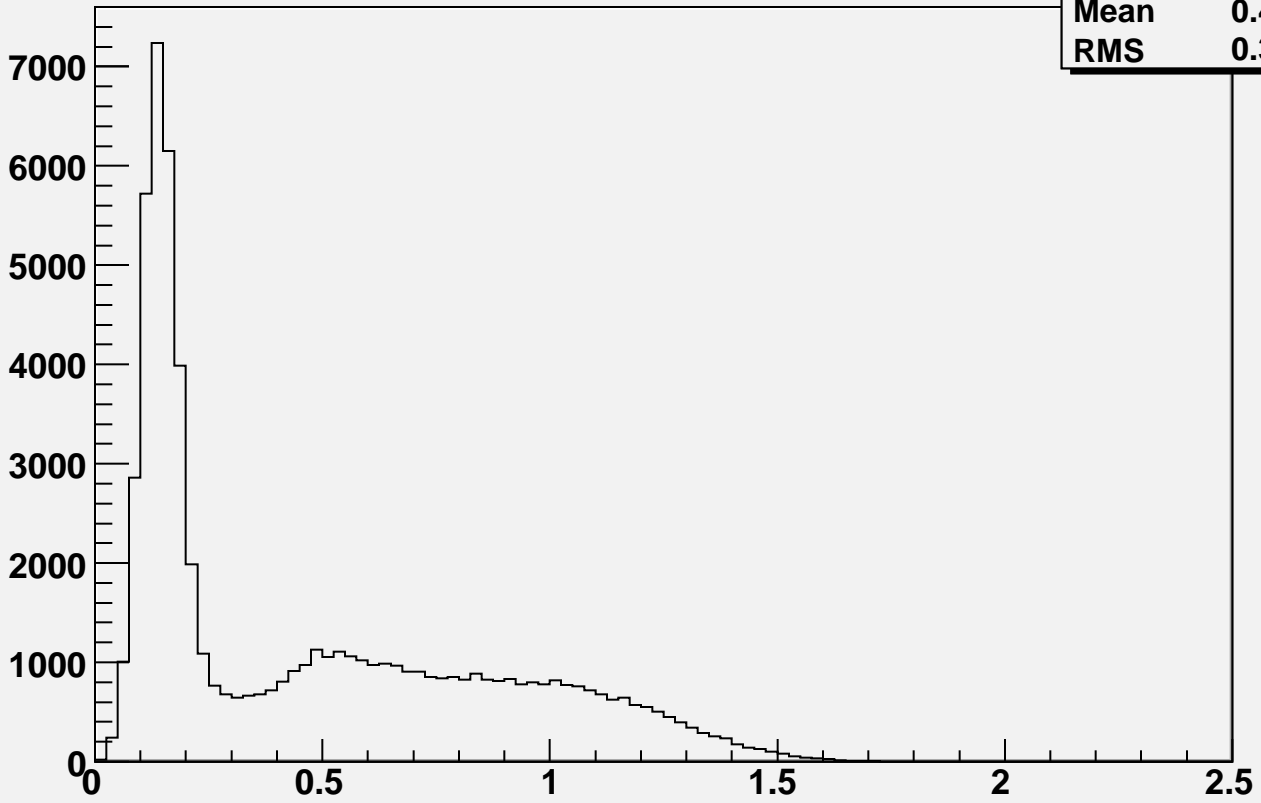


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.200000) < .05$

h2	
Entries	56548
Mean	0.4733
RMS	0.3028

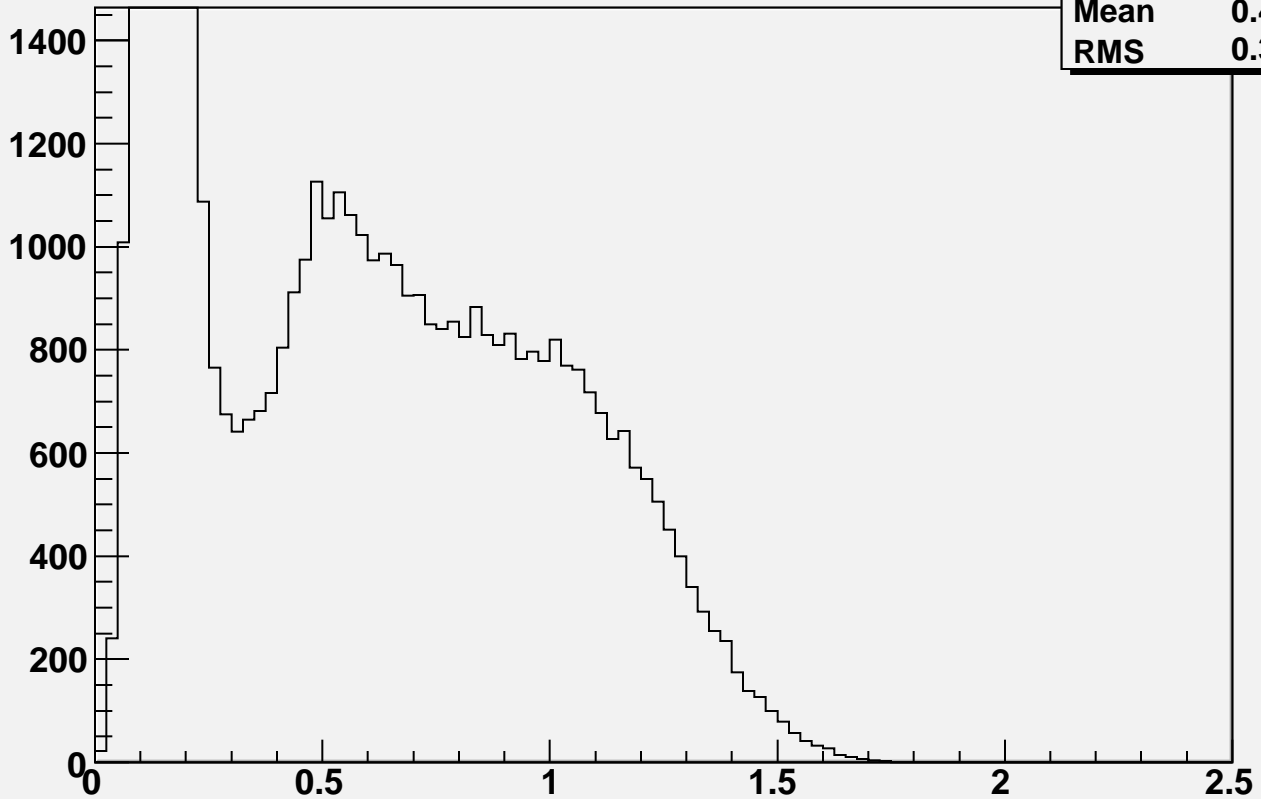


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.200000) < .05$



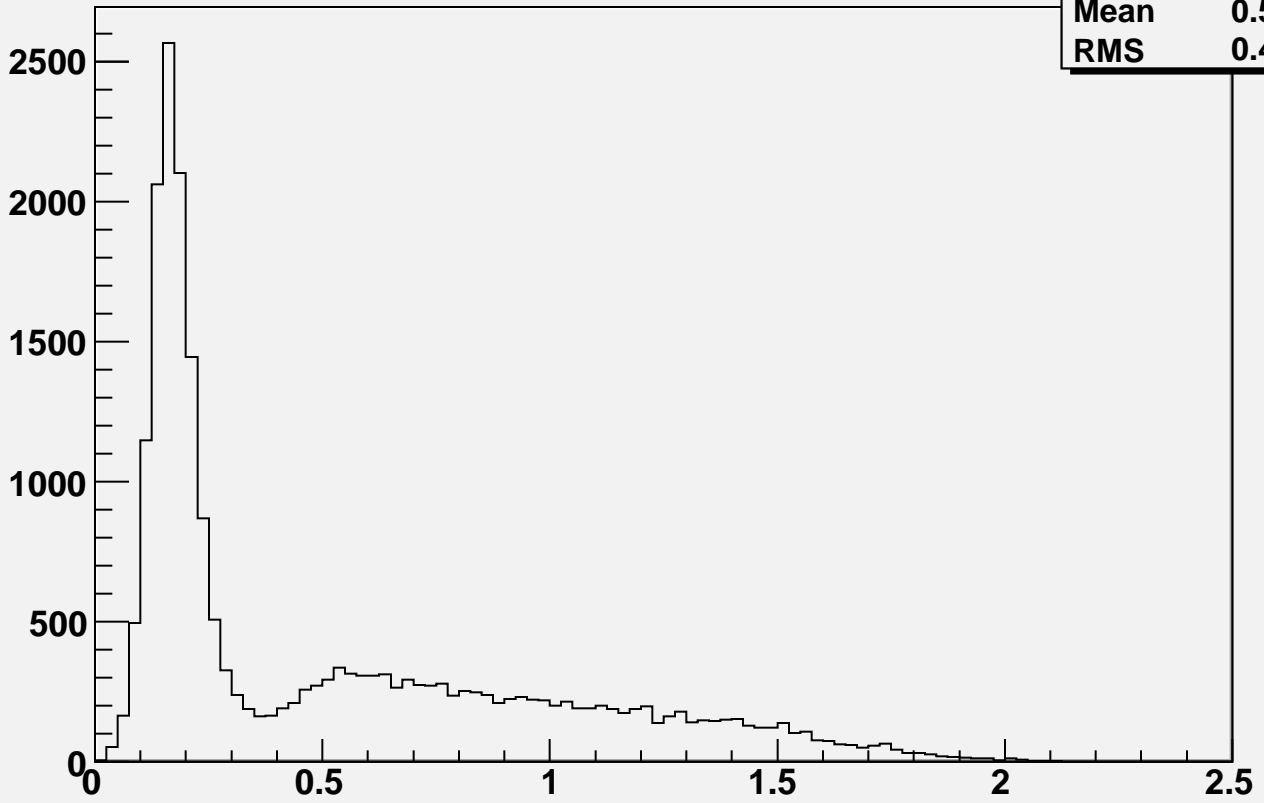
h1	
Entries	65762
Mean	0.4857
RMS	0.3906

$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.200000) < .05$



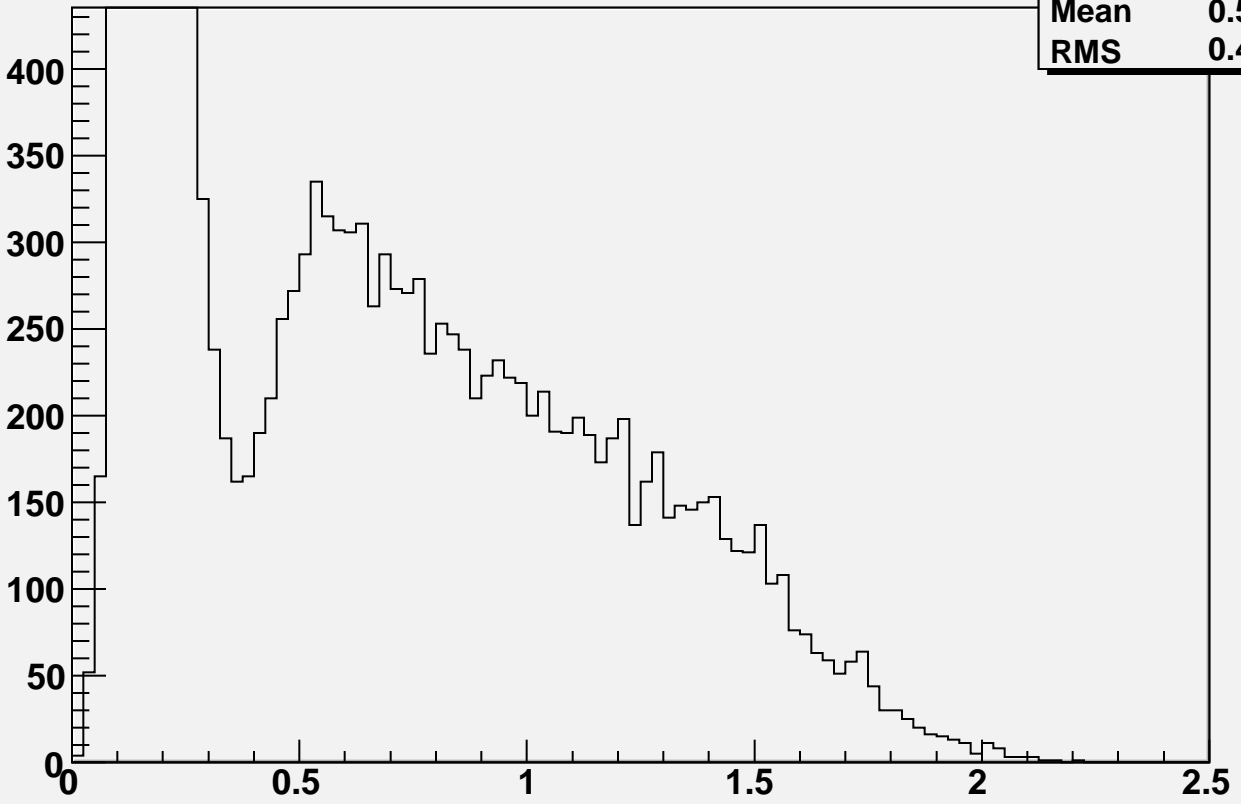
h2	
Entries	65762
Mean	0.4857
RMS	0.3906

$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 40.000000| < 5 \text{ \& \& } |\text{Eta} - 3.200000| < .05$



h1	
Entries	23103
Mean	0.5369
RMS	0.4618

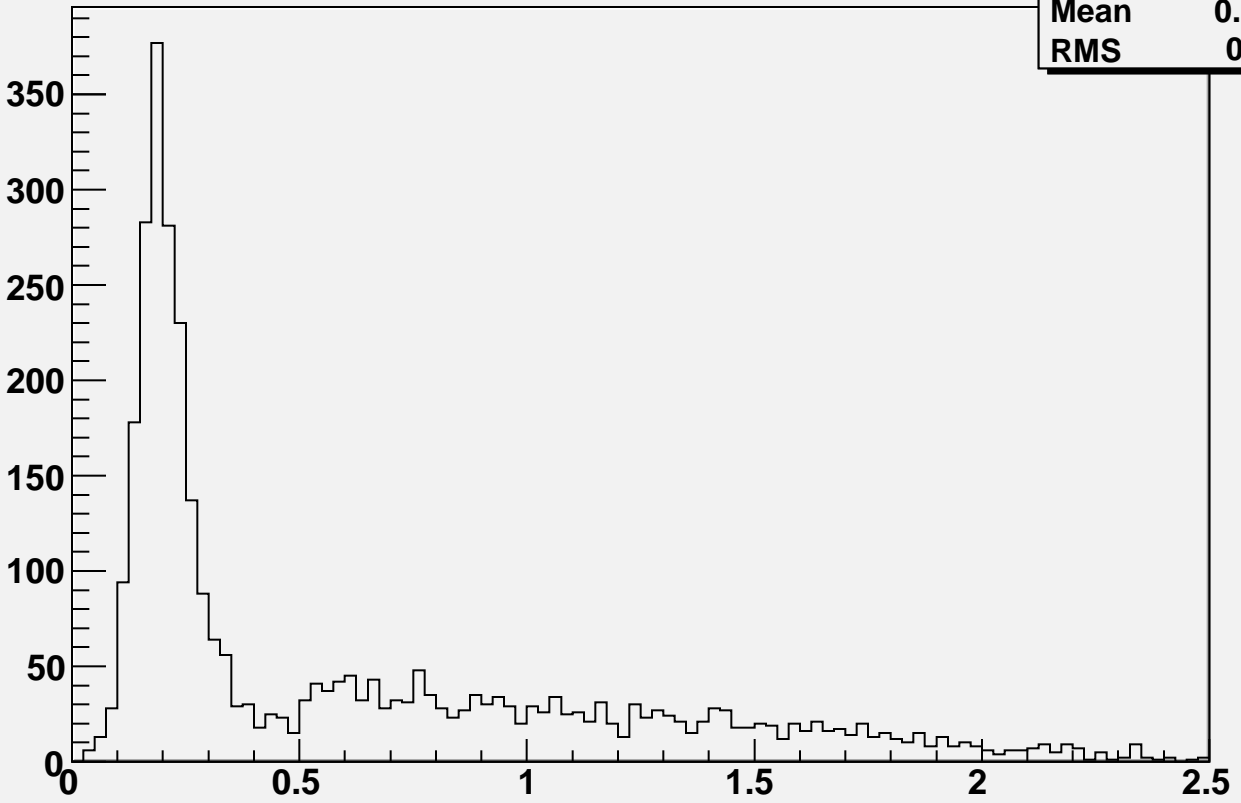
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 40.000000| < 5 \text{ \& \& } |\text{Eta} - 3.200000| < .05$



h2	
Entries	23103
Mean	0.5369
RMS	0.4618

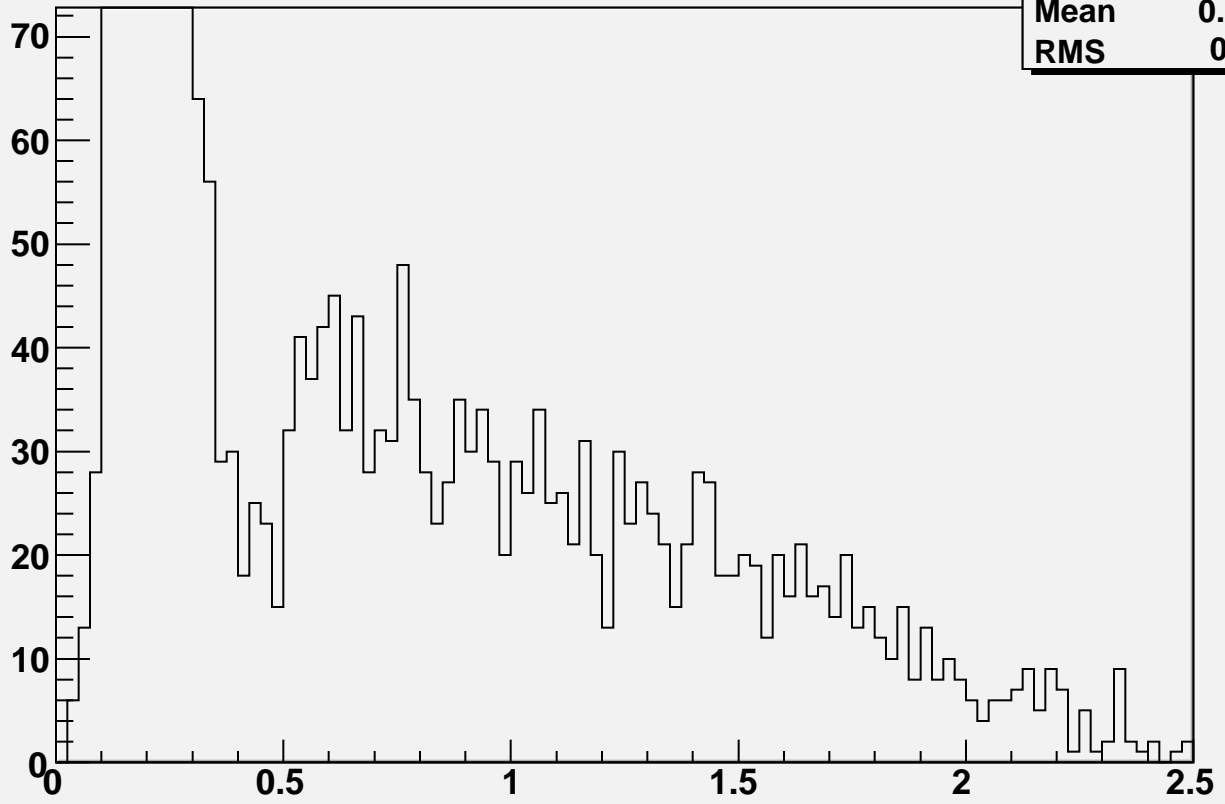
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 50.000000| < 5. \text{ \& \& } |\text{Eta} - 3.200000| < .05$

h1	
Entries	3497
Mean	0.6261
RMS	0.563



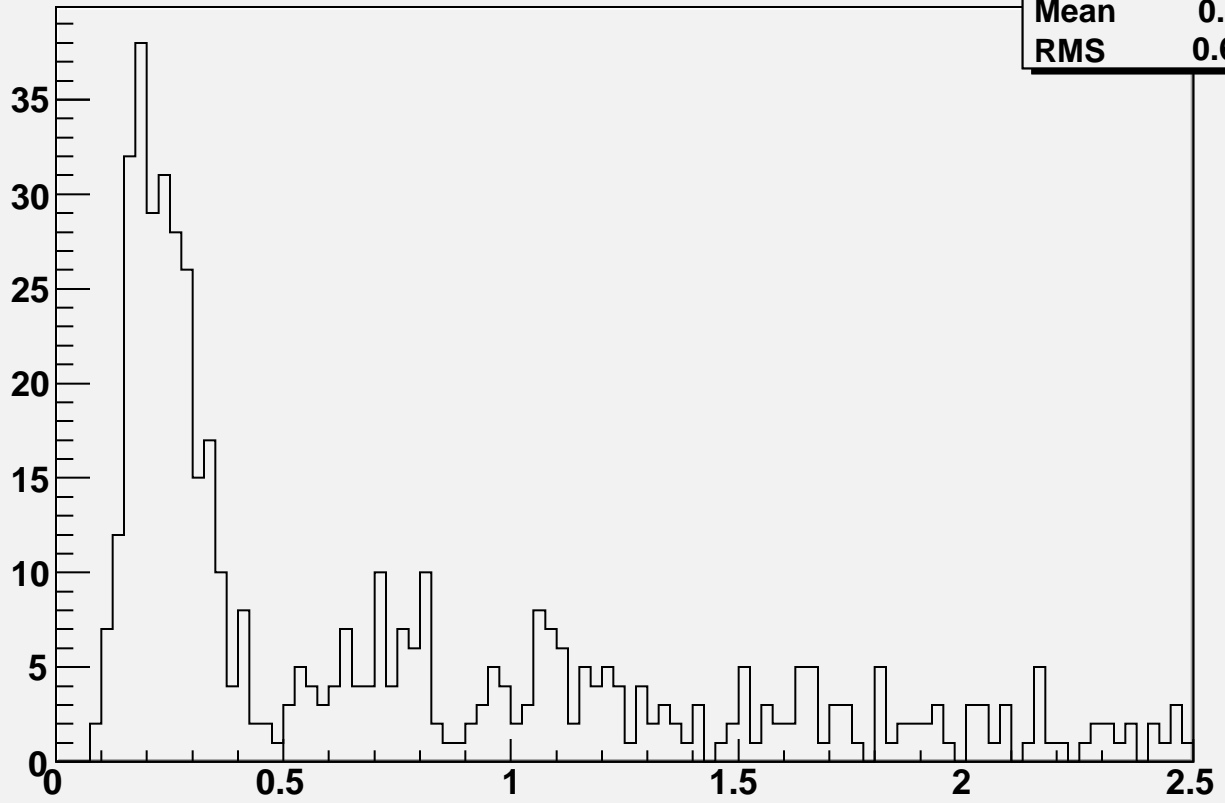
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 50.000000| < 5. \text{ \& \& } |\text{Eta} - 3.200000| < .05$

h2	
Entries	3497
Mean	0.6261
RMS	0.563



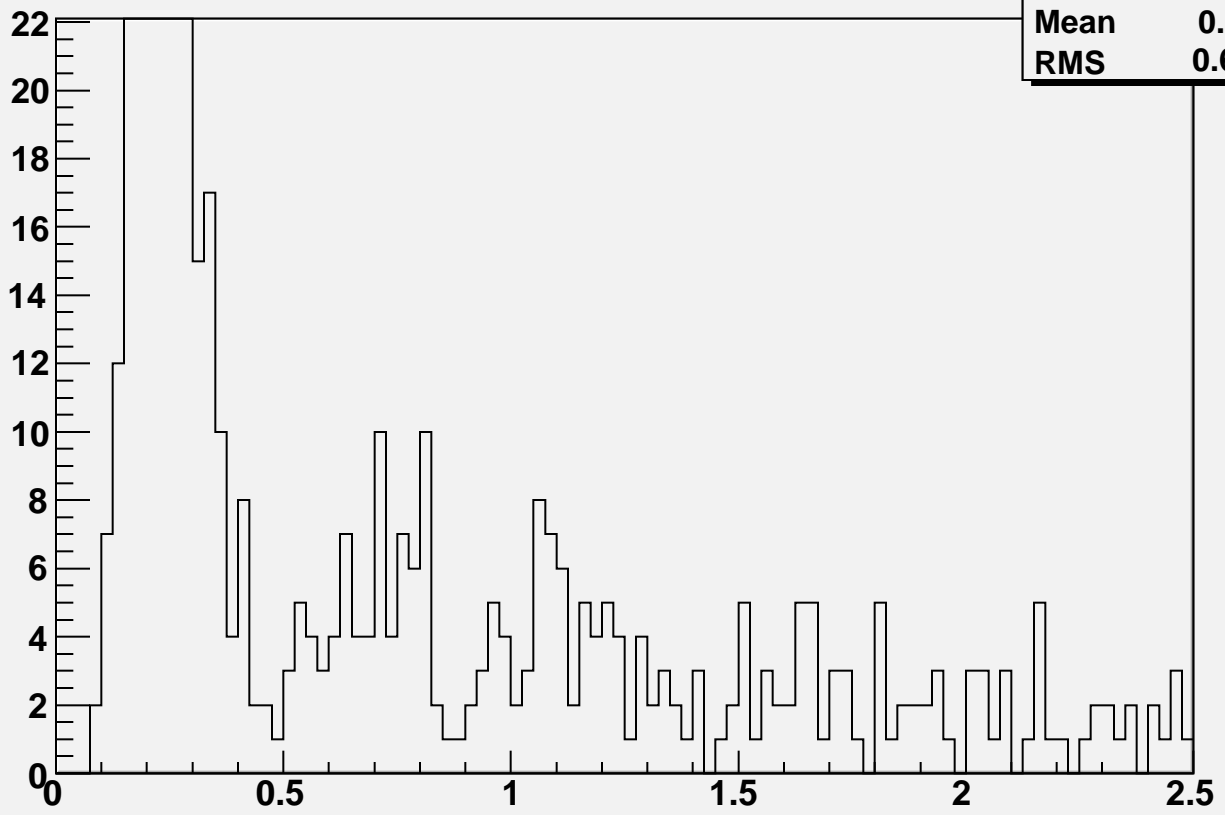
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 60.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.200000) < .05$

h1	
Entries	520
Mean	0.7261
RMS	0.6362



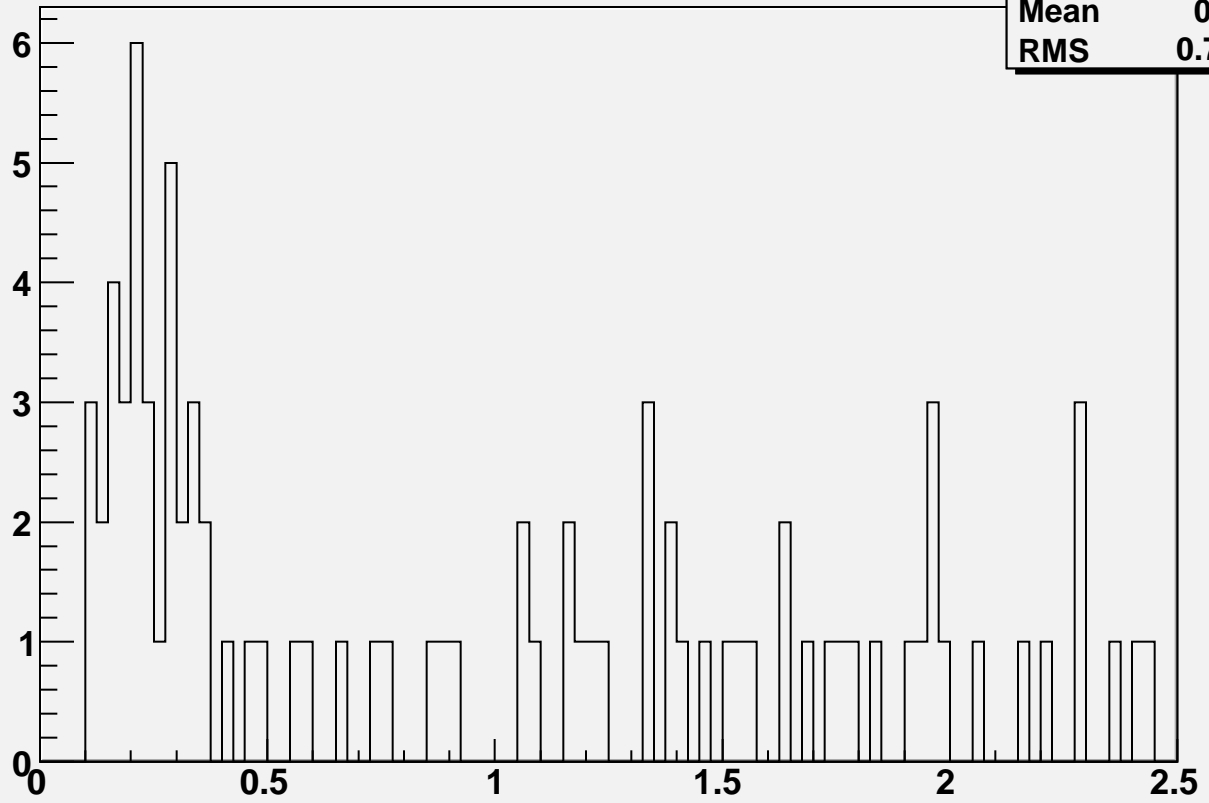
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 60.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.200000) < .05$

h2	
Entries	520
Mean	0.7261
RMS	0.6362



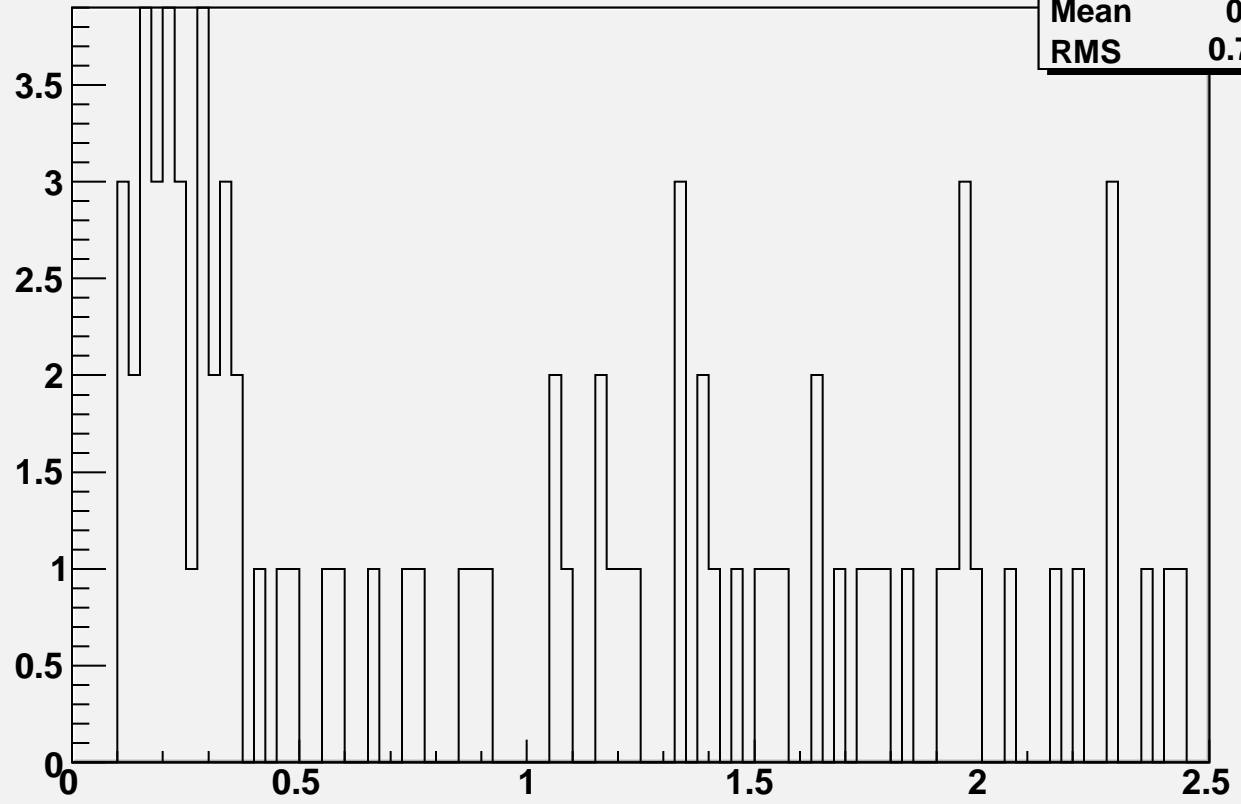
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 70.000000| < 5 \text{ \& \& } |\text{Eta} - 3.200000| < .05$

h1	
Entries	93
Mean	0.977
RMS	0.7516



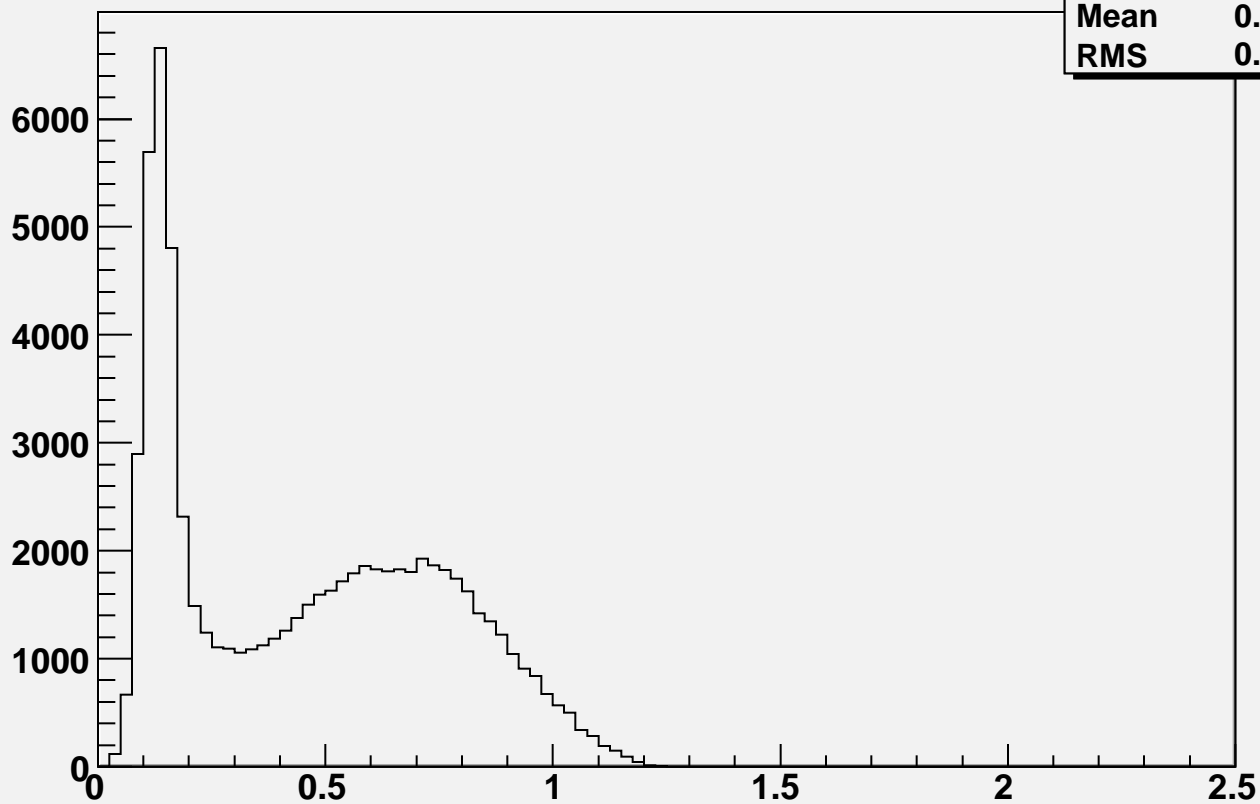
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 70.000000| < 5 \text{ \& \& } |\text{Eta} - 3.200000| < .05$

h2	
Entries	93
Mean	0.977
RMS	0.7516



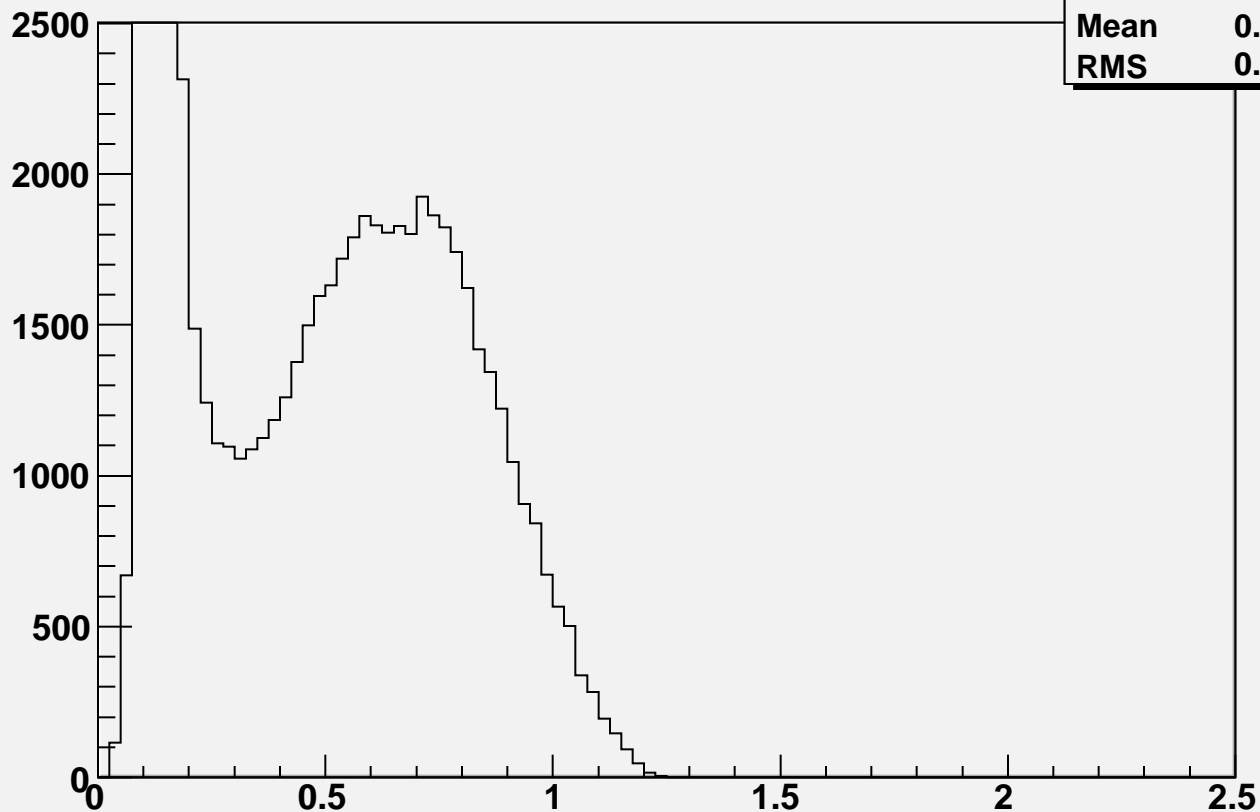
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.100000) < .05$

h1	
Entries	71156
Mean	0.4622
RMS	0.2954

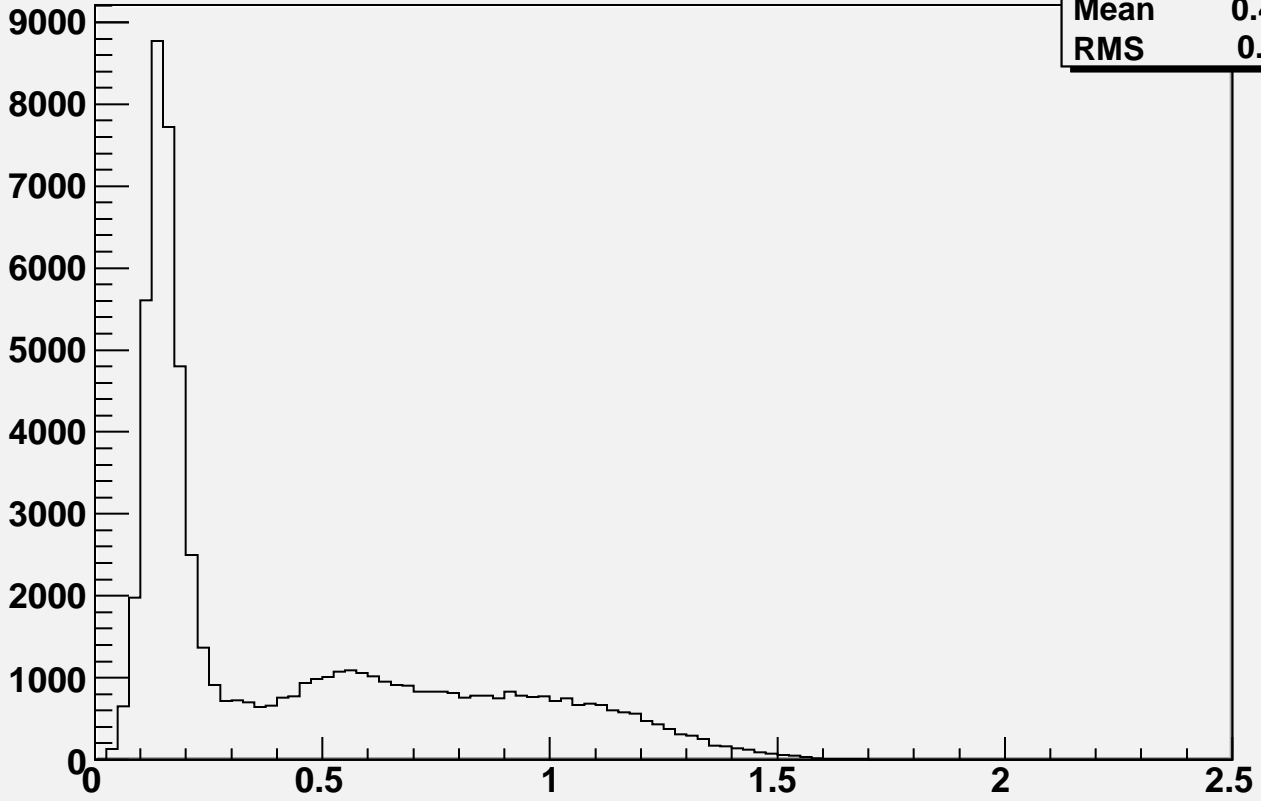


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.100000) < .05$

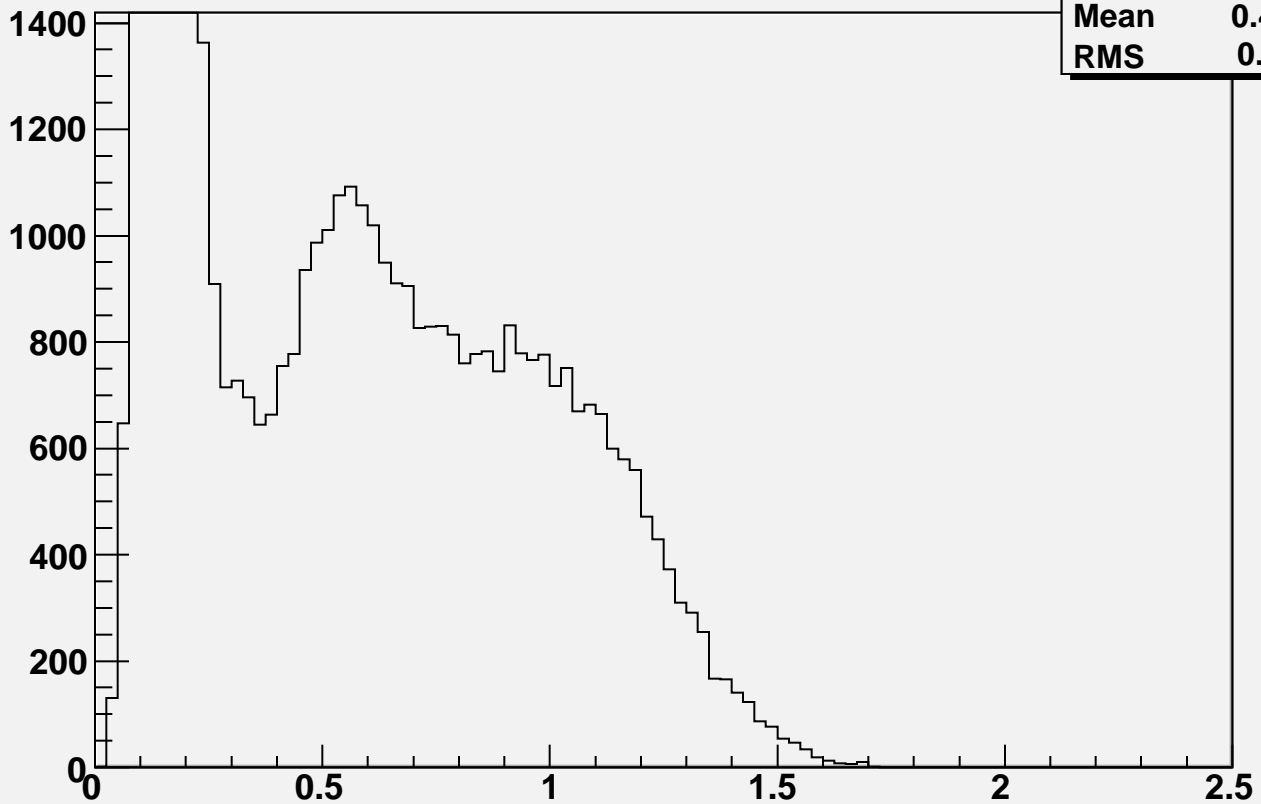
h2	
Entries	71156
Mean	0.4622
RMS	0.2954



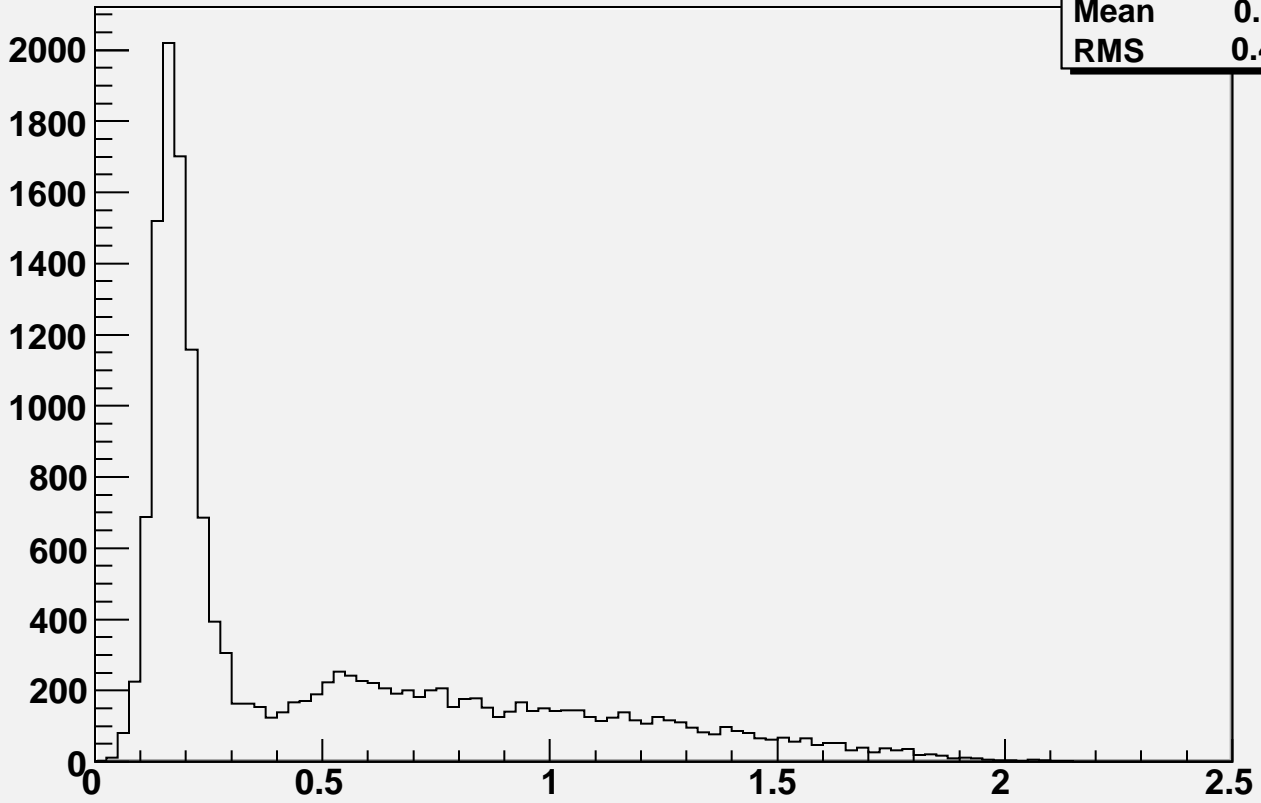
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.100000) < .05$



$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.100000) < .05$

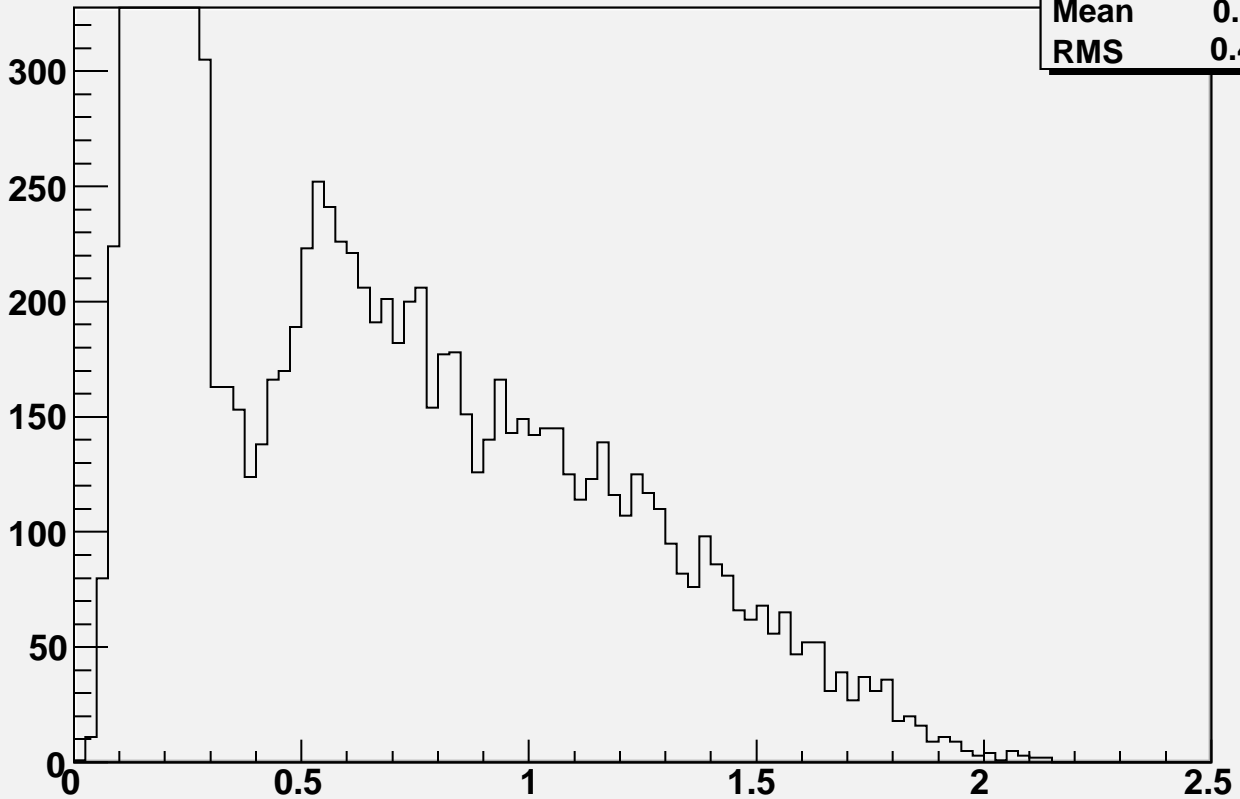


$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 40.000000) < 5. \text{ \& \& abs}(\text{Eta} - 3.100000) < .05$



h1	
Entries	16589
Mean	0.5116
RMS	0.4443

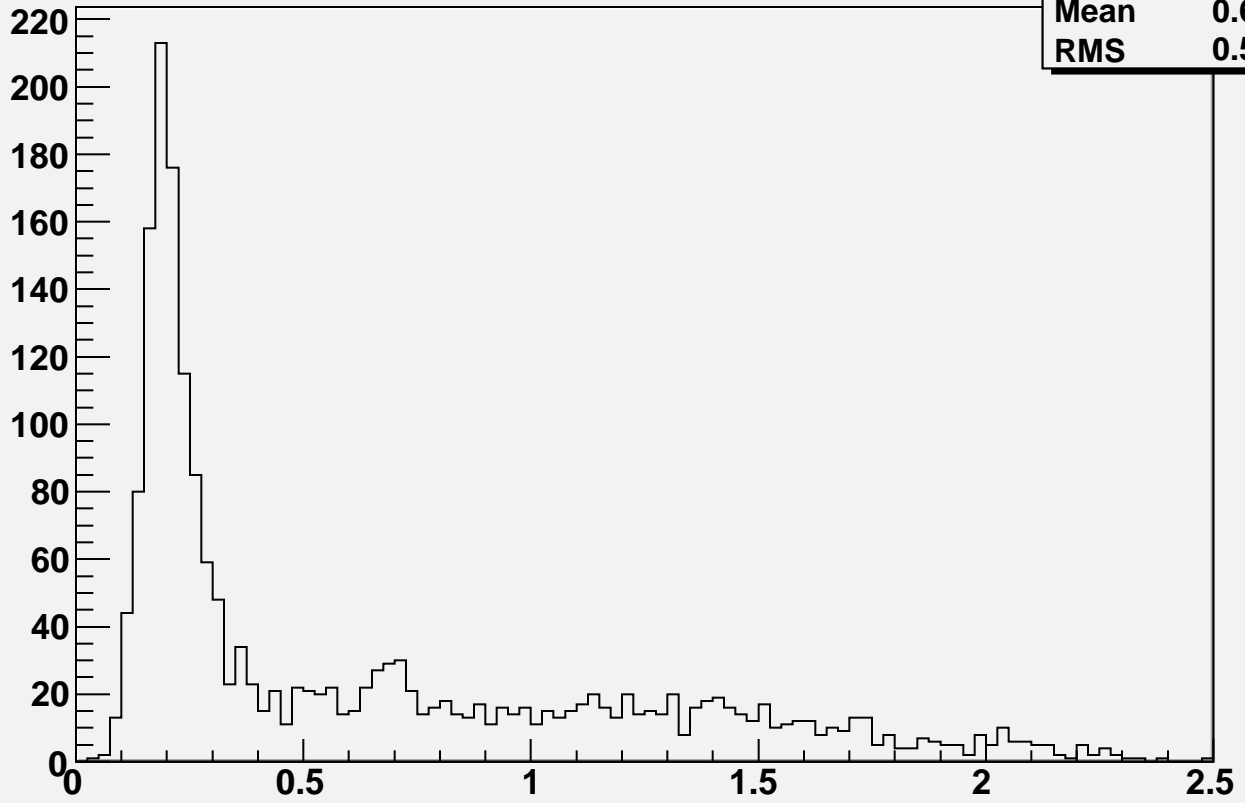
$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 40.000000) < 5. \text{ \& \& abs}(\text{Eta} - 3.100000) < .05$



h2	
Entries	16589
Mean	0.5116
RMS	0.4443

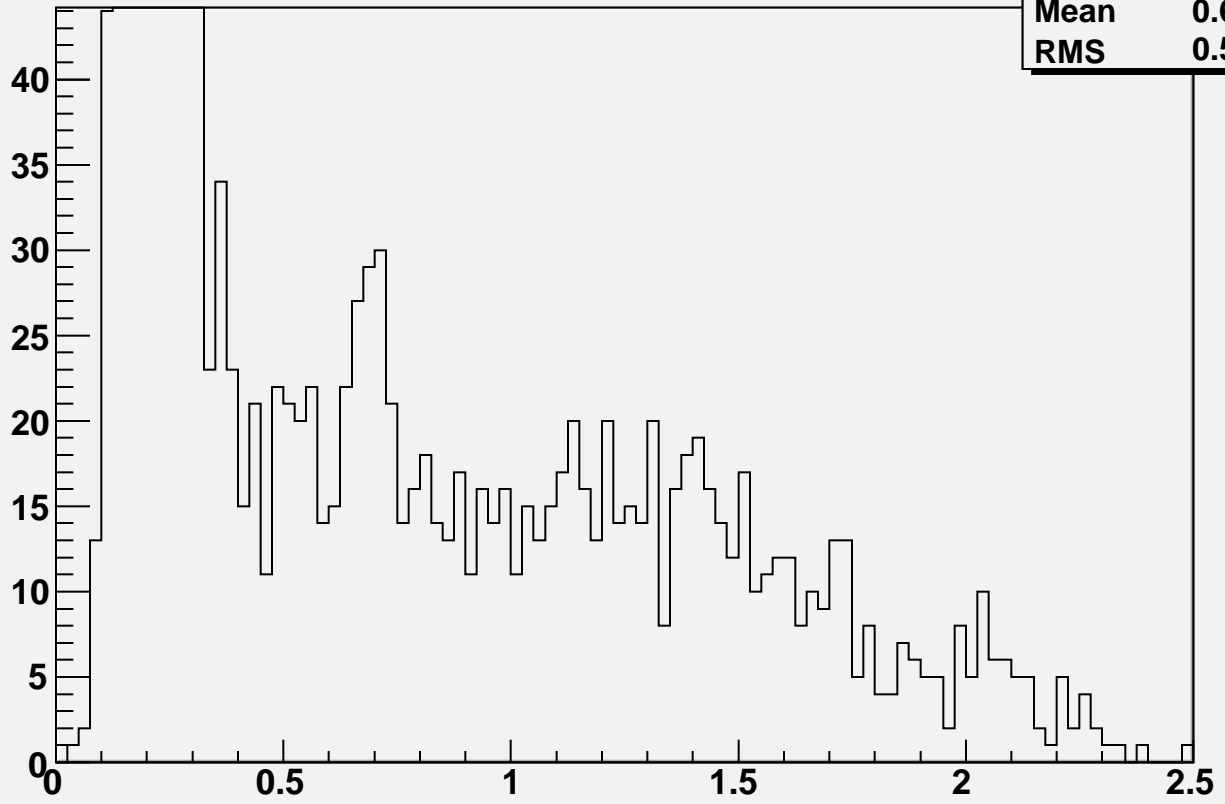
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.100000) < .05$

h1	
Entries	2050
Mean	0.6476
RMS	0.5654



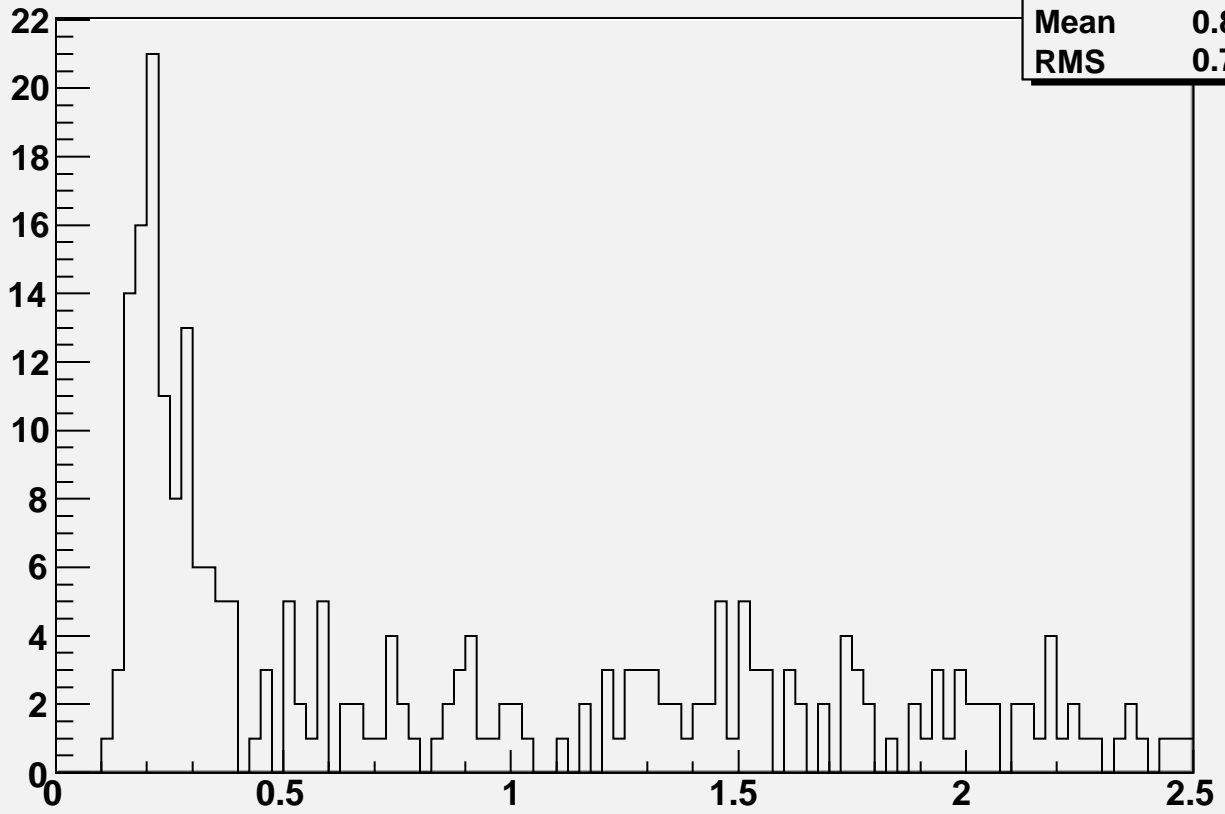
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.100000) < .05$

h2	
Entries	2050
Mean	0.6476
RMS	0.5654



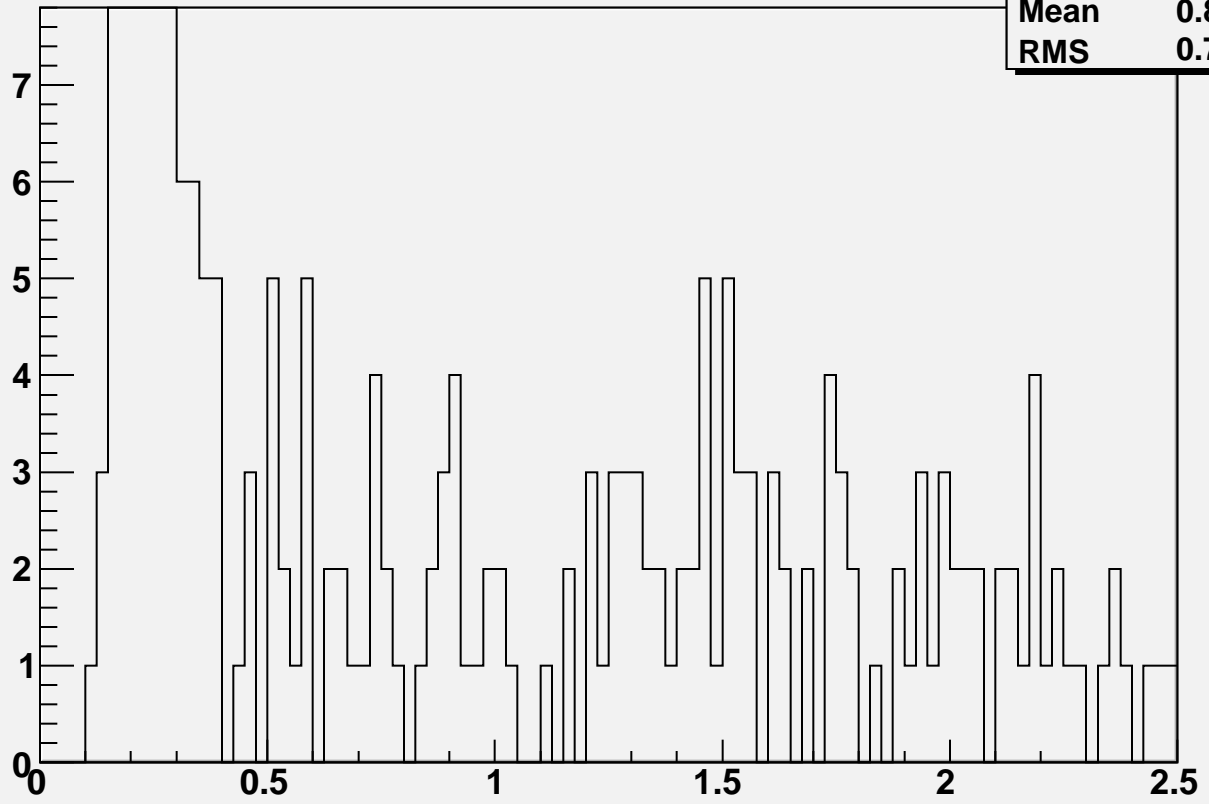
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 60.000000| < 5 \text{ \& \& } |\text{Eta} - 3.100000| < .05$

h1	
Entries	267
Mean	0.8995
RMS	0.7195



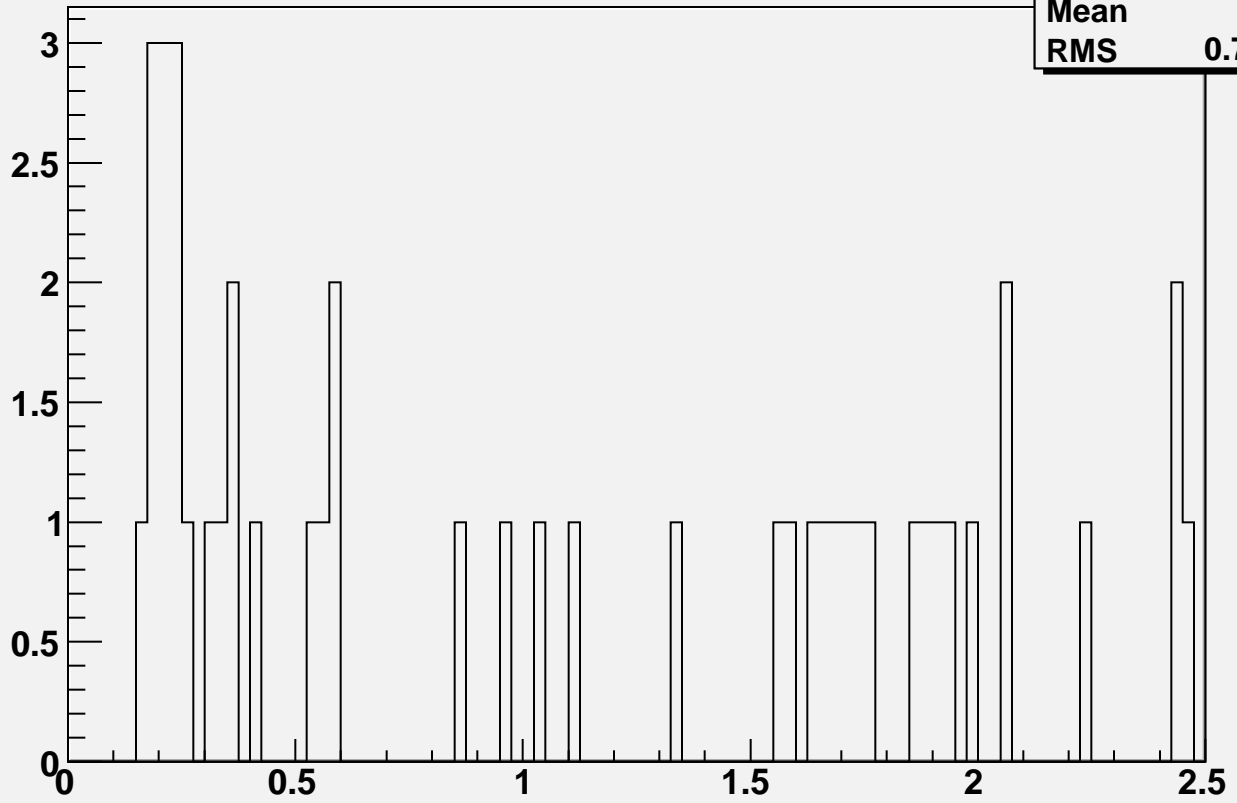
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 60.000000| < 5 \text{ \& \& } |\text{Eta} - 3.100000| < .05$

h2	
Entries	267
Mean	0.8995
RMS	0.7195



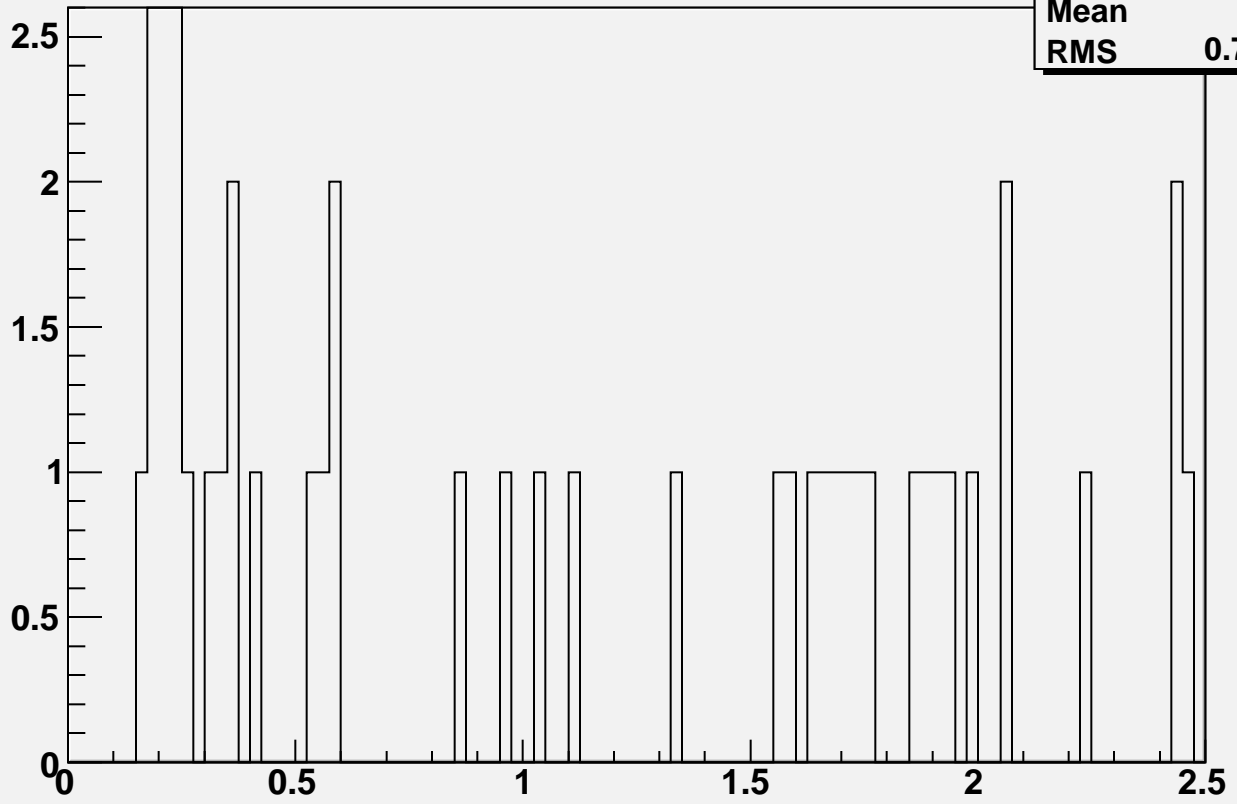
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 70.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.100000) < .05$

h1	
Entries	50
Mean	1.1
RMS	0.7863

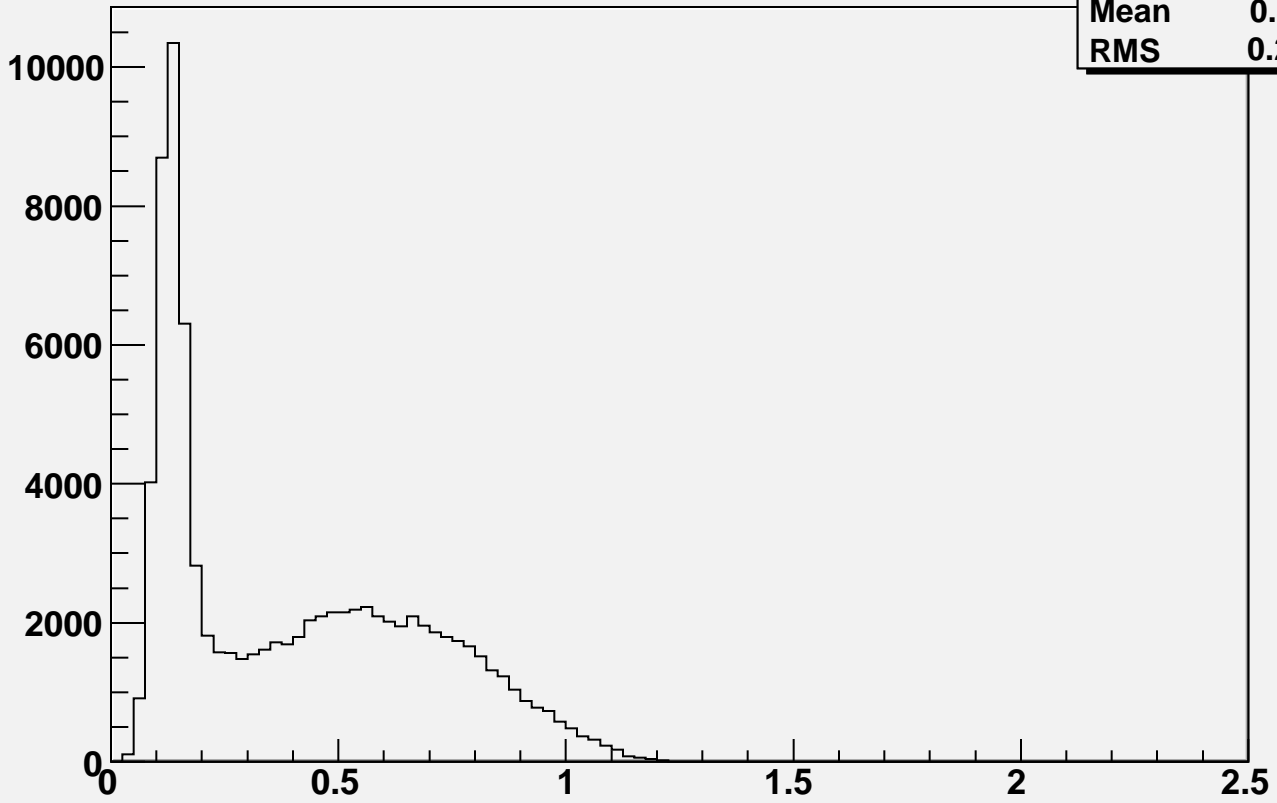


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 70.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.100000) < .05$

h2	
Entries	50
Mean	1.1
RMS	0.7863

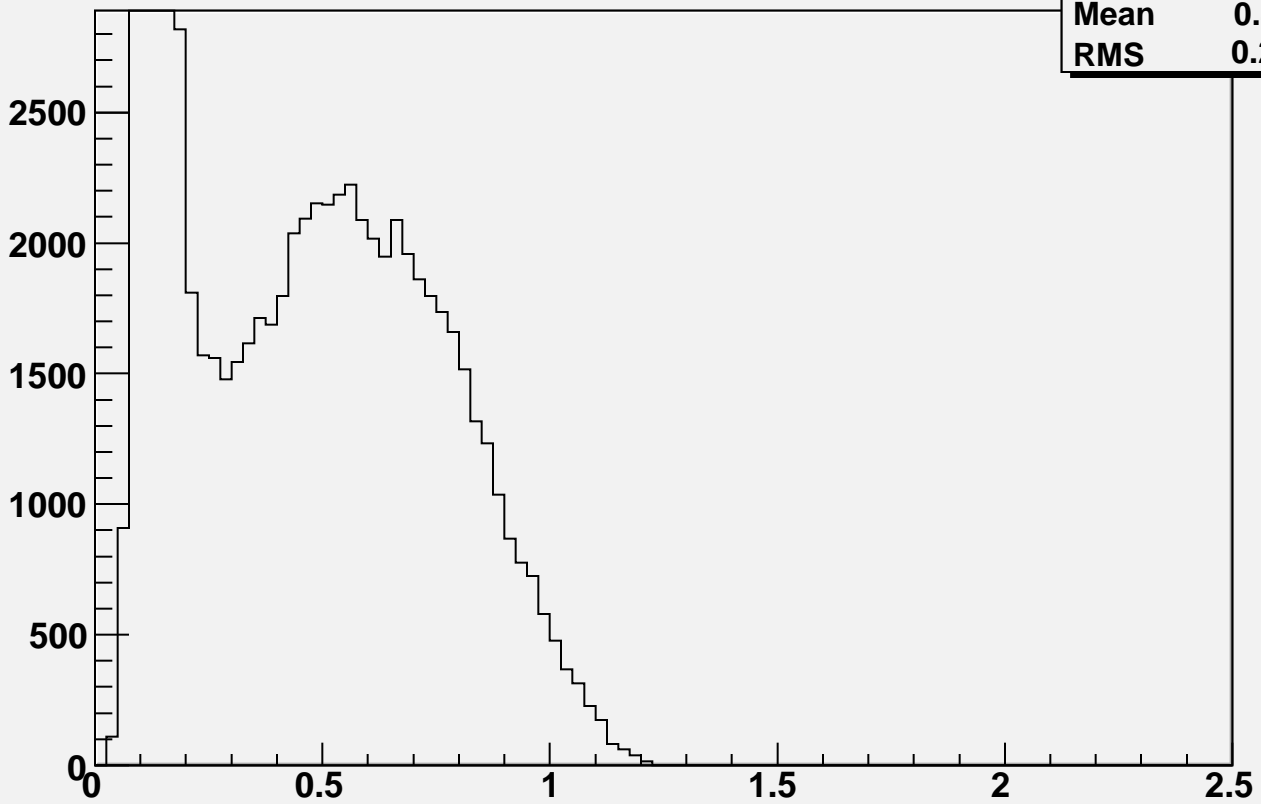


$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12}/20)| < 5$ & $|\eta - 3| < 0.05$



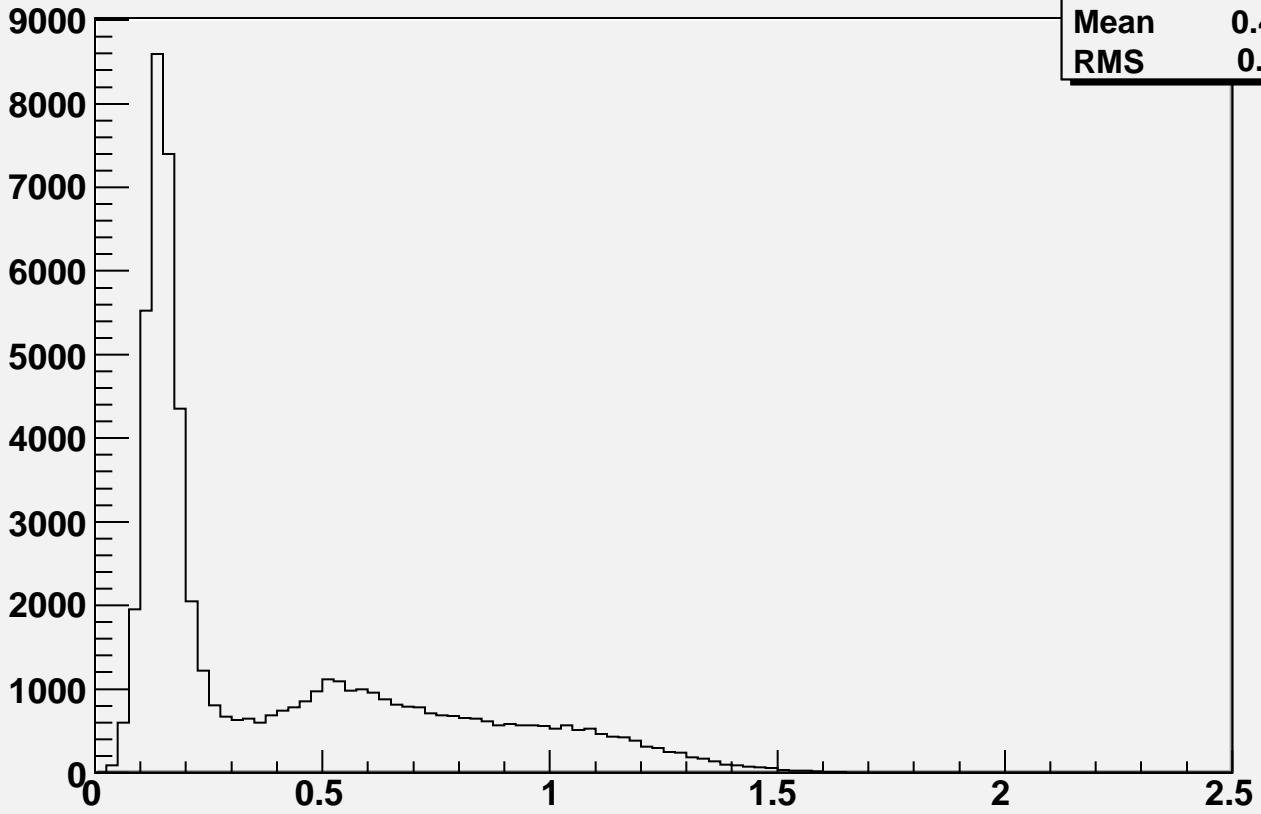
h1	
Entries	87785
Mean	0.4116
RMS	0.2795

$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12}/20)| < 5$ & $|\eta - 3| < 0.05$



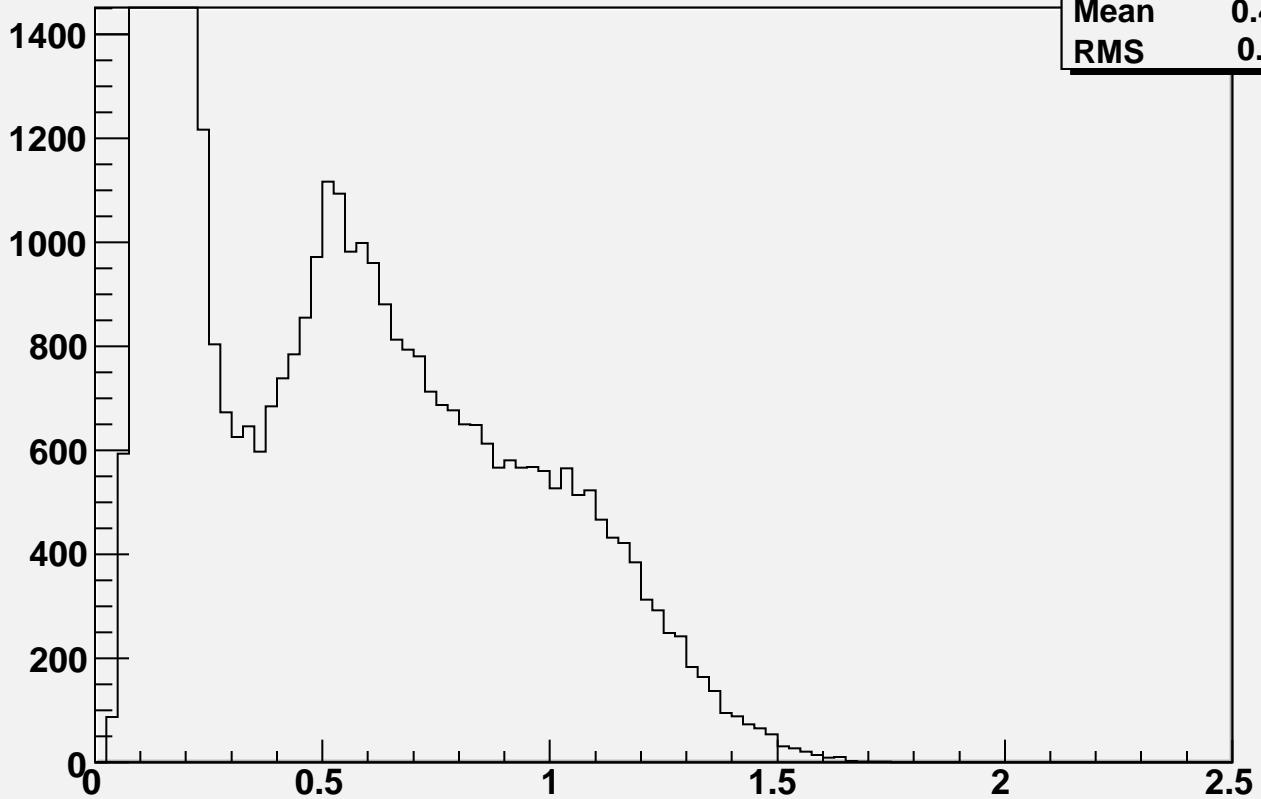
h2	
Entries	87785
Mean	0.4116
RMS	0.2795

$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.000000) < .05$



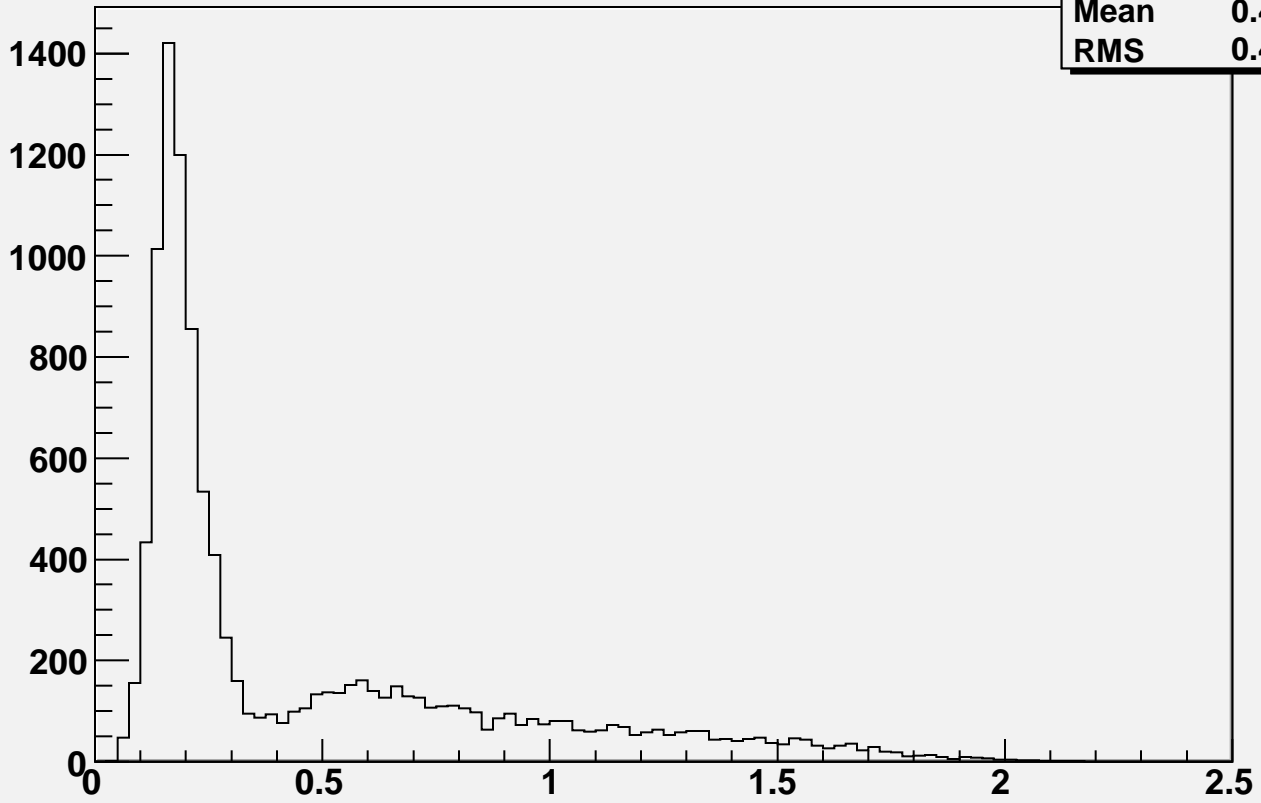
h1	
Entries	60312
Mean	0.4217
RMS	0.3531

$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.000000) < .05$



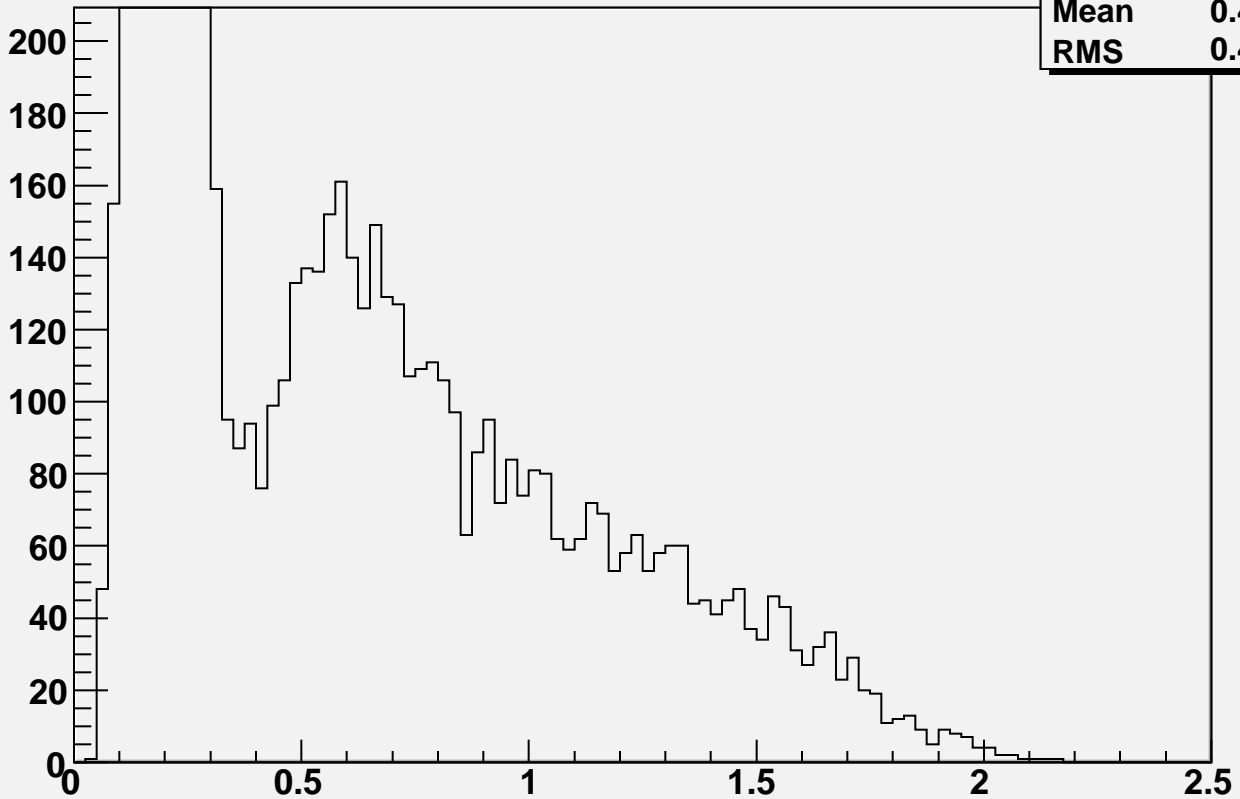
h2	
Entries	60312
Mean	0.4217
RMS	0.3531

$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5 \text{ \& \& } \text{abs}(\text{Eta} - 3.000000) < .05$



h1	
Entries	11004
Mean	0.4759
RMS	0.4309

$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5 \text{ \& \& } \text{abs}(\text{Eta} - 3.000000) < .05$

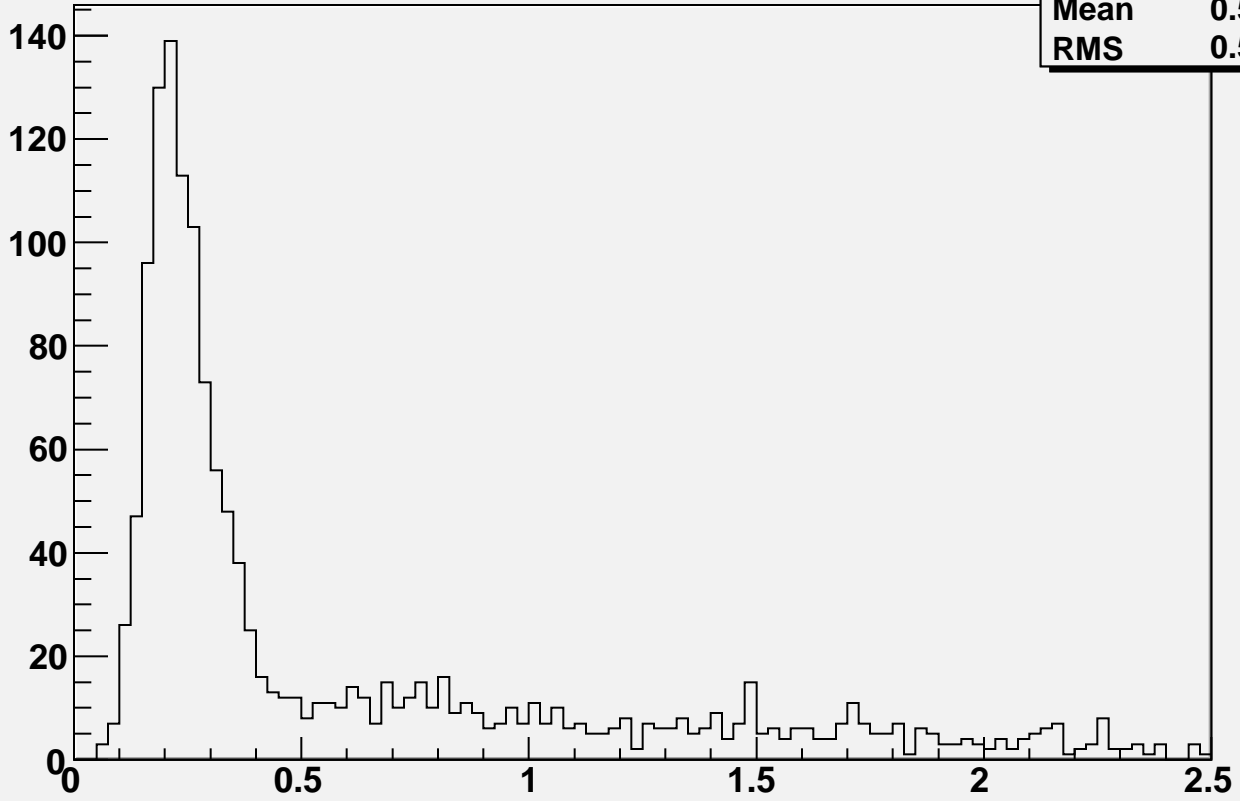


h2	
Entries	11004
Mean	0.4759
RMS	0.4309

$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } |\text{E}_{12} - 50.000000| < 5. \text{ \&\& } |\text{Eta} - 3.000000| < .05$

h1

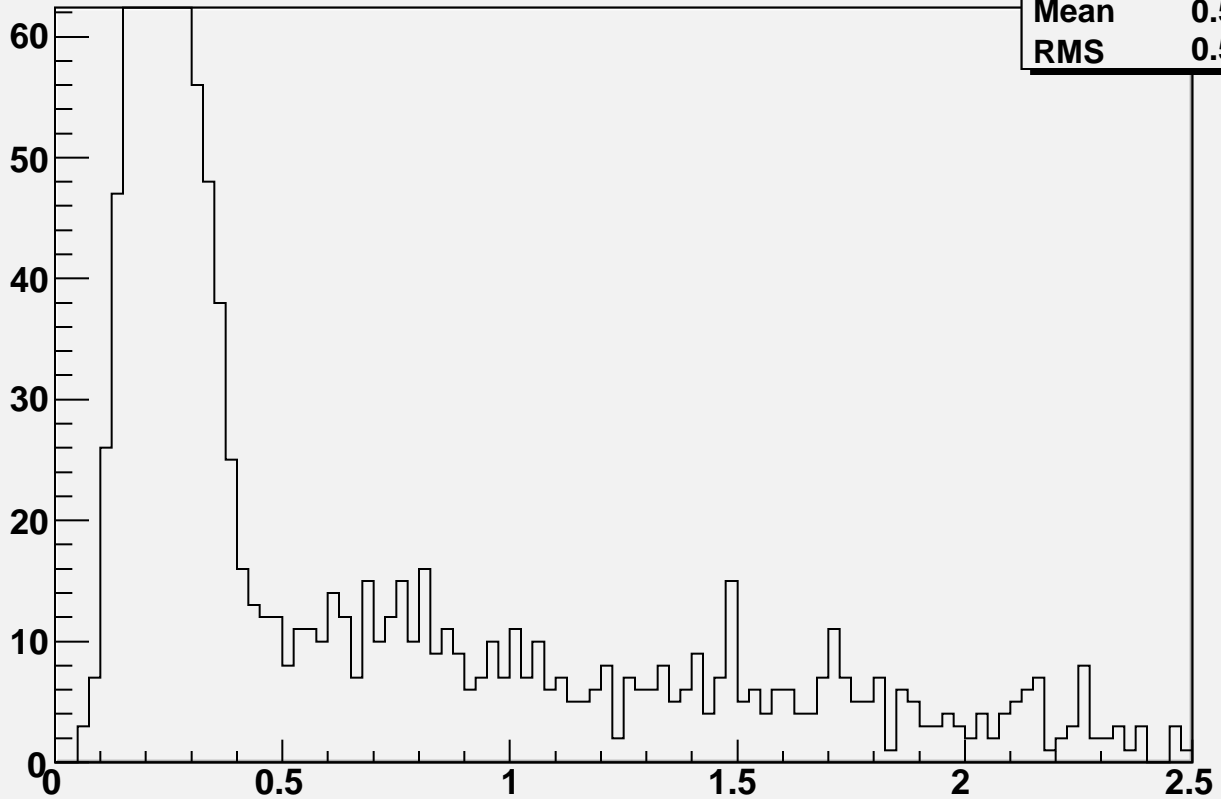
Entries	1471
Mean	0.5944
RMS	0.5739



$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } |\text{E}_{12} - 50.000000| < 5. \text{ \&\& } |\text{Eta} - 3.000000| < .05$

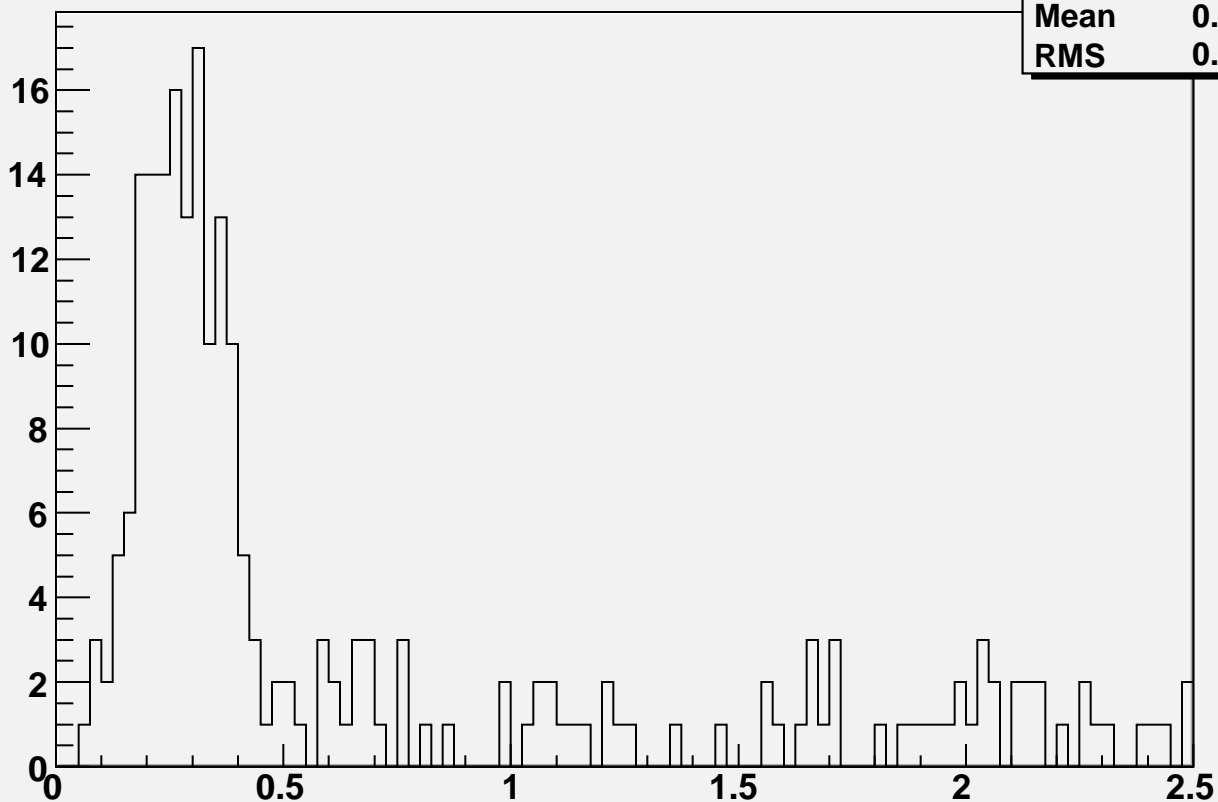
h2

Entries	1471
Mean	0.5944
RMS	0.5739



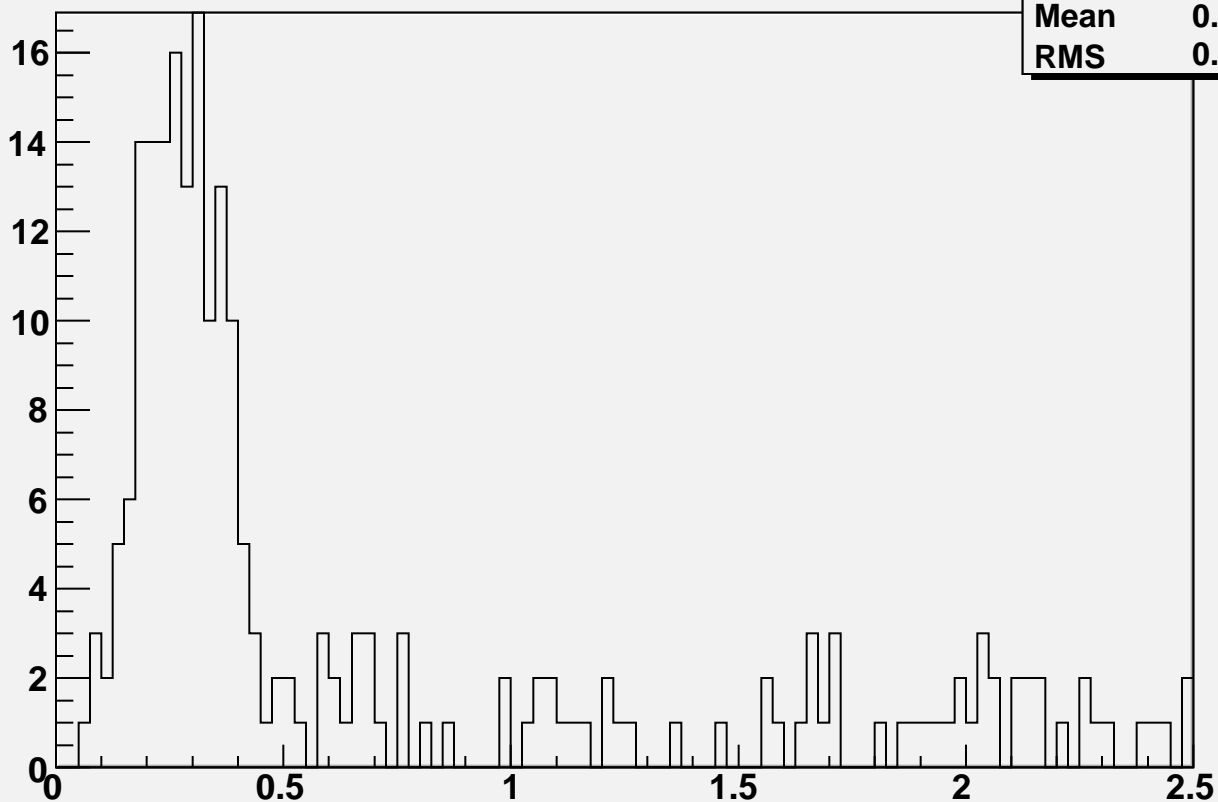
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 60.000000) < 5 \&\& \text{abs}(\text{Eta} - 3.000000) < .05$

h1	
Entries	234
Mean	0.6862
RMS	0.6774



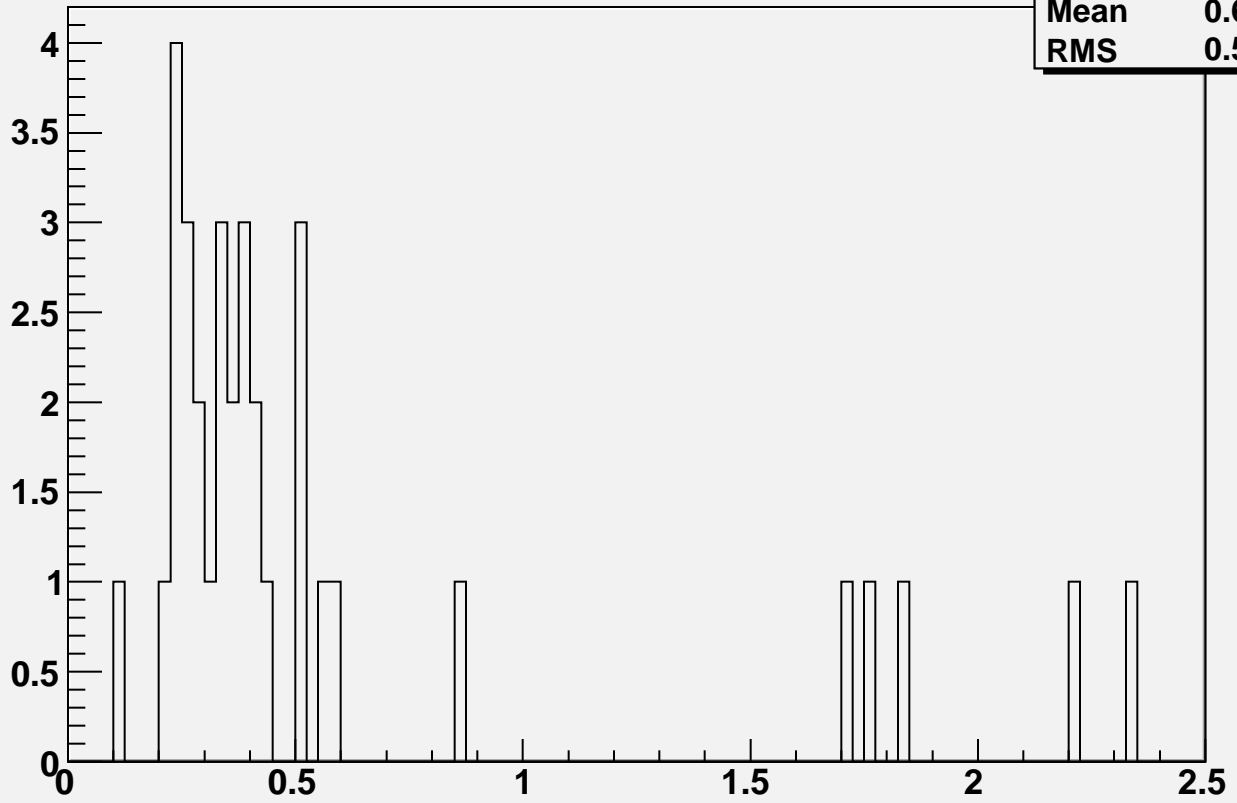
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 60.000000) < 5 \&\& \text{abs}(\text{Eta} - 3.000000) < .05$

h2	
Entries	234
Mean	0.6862
RMS	0.6774



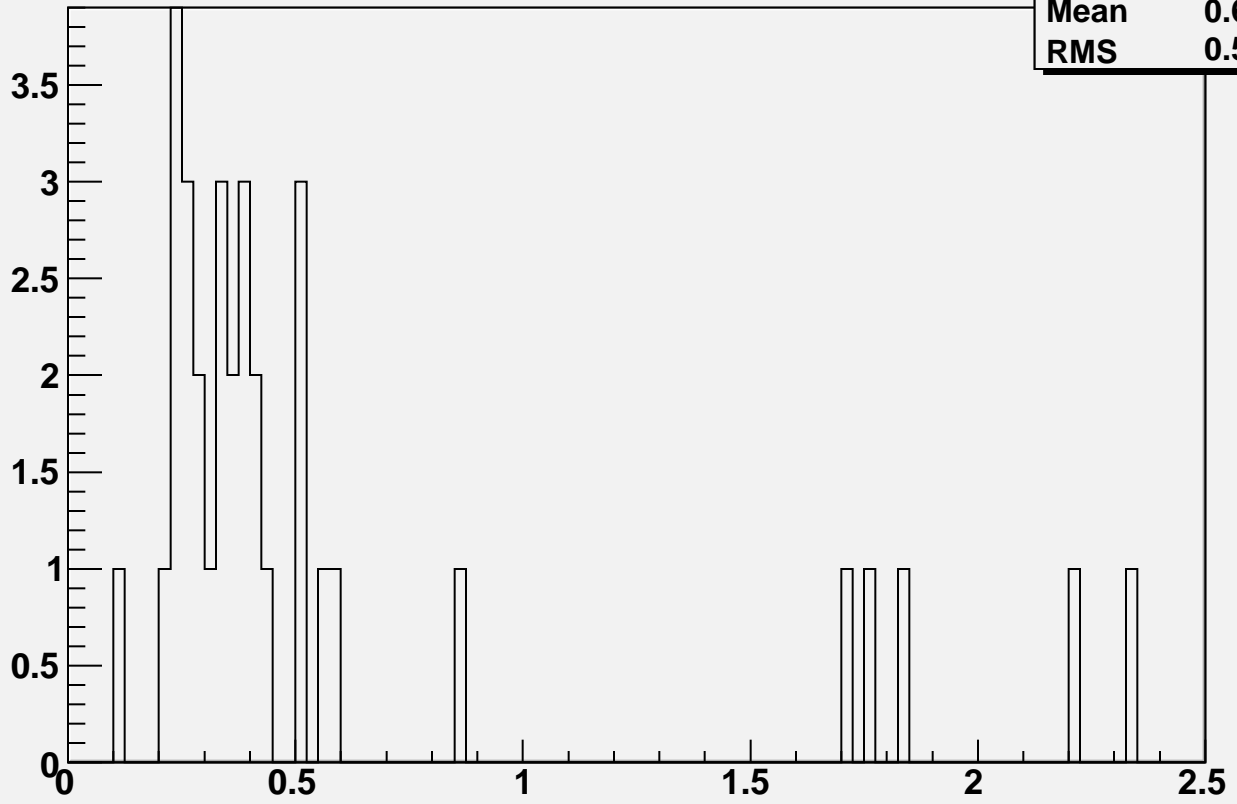
$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 70.000000) < 5. \text{ \& \&abs}(\text{Eta} - 3.000000) < .05$

h1	
Entries	40
Mean	0.6052
RMS	0.5918



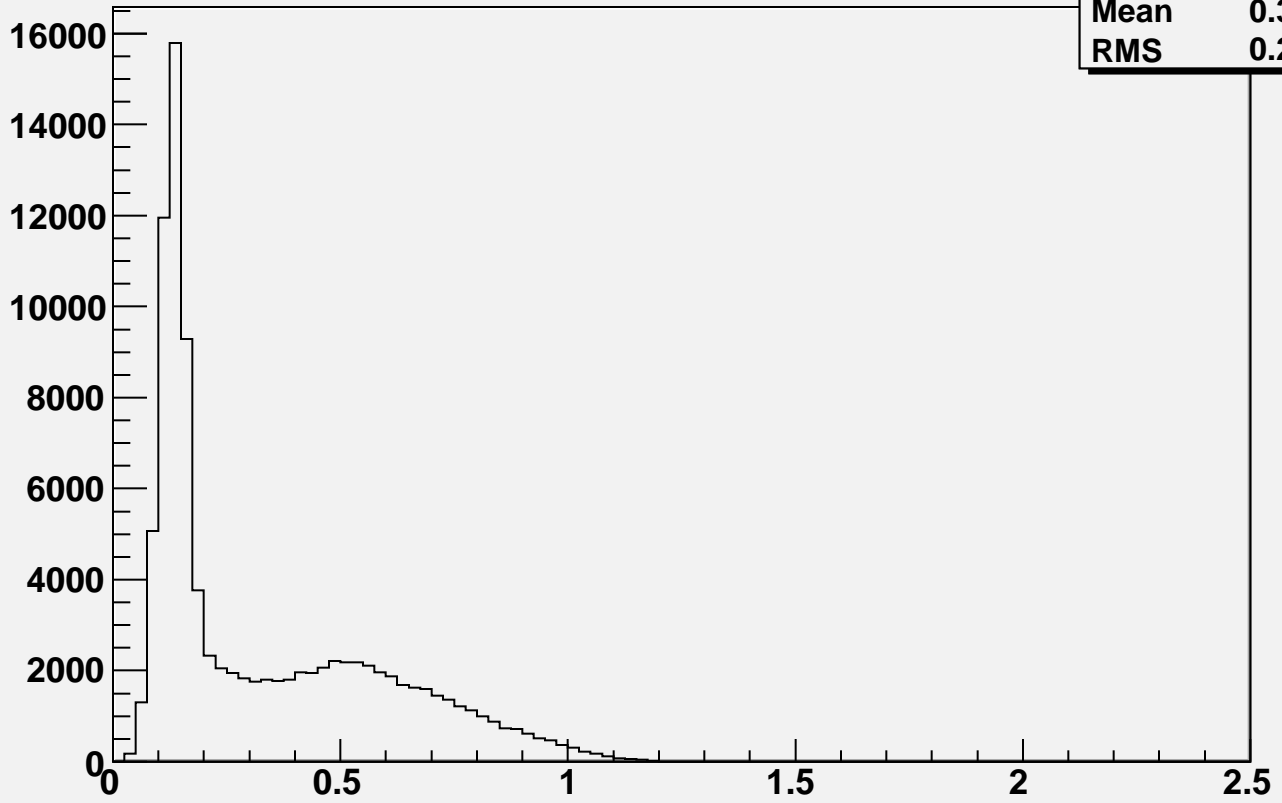
$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 70.000000) < 5. \text{ \& \&abs}(\text{Eta} - 3.000000) < .05$

h2	
Entries	40
Mean	0.6052
RMS	0.5918



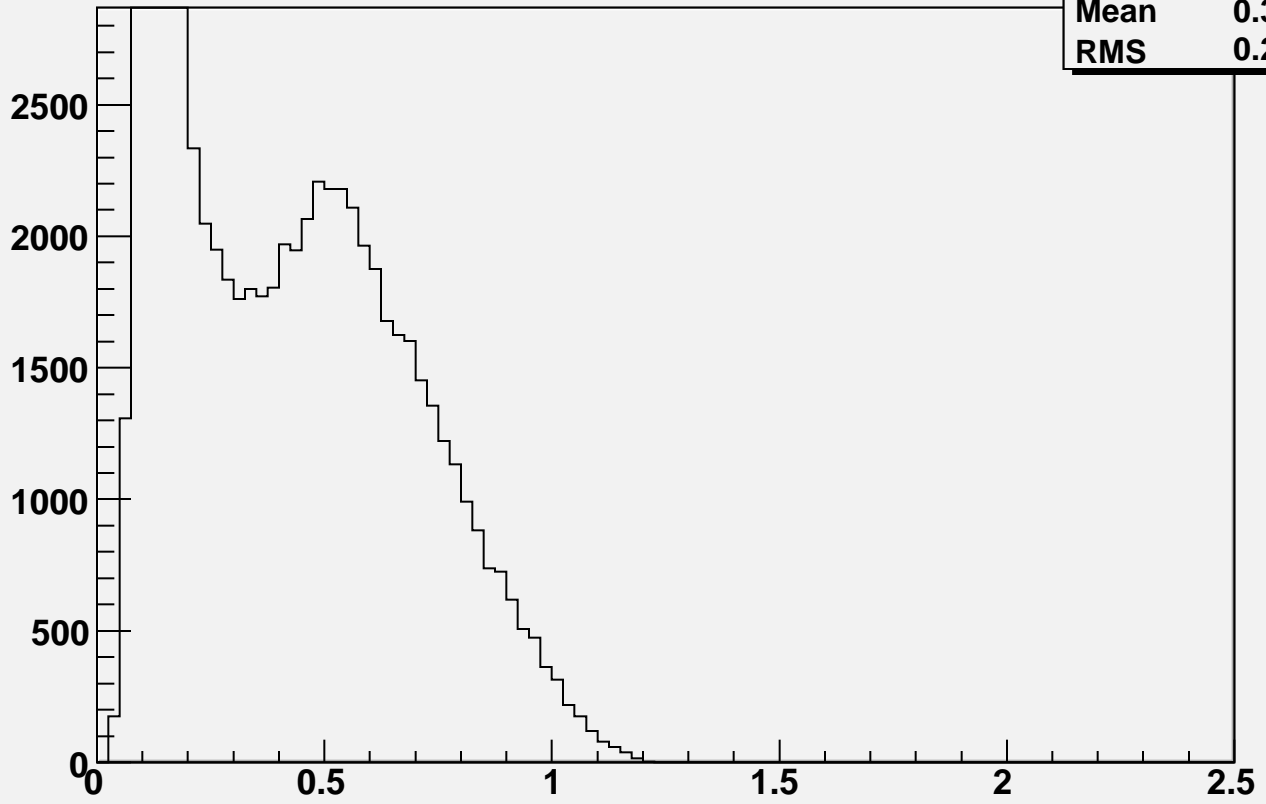
$N_{12} = 2 \times Z < 0.7 \times \left| E_{12} - 20.000000 \right| < 5 \times \left| \text{Eta} - 2.900000 \right| < 0.05$

h1	
Entries	97536
Mean	0.3395
RMS	0.2534

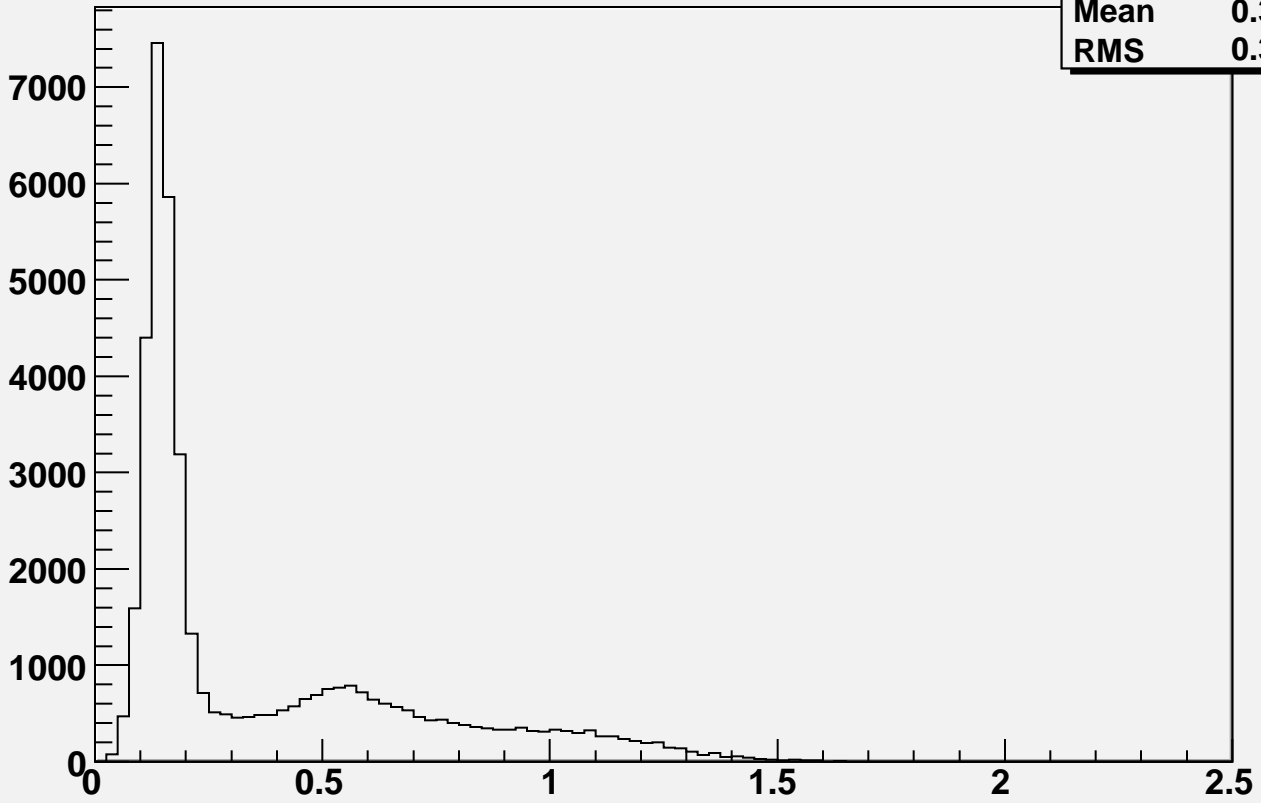


$N_{12} = 2 \times Z < 0.7 \times \left| E_{12} - 20.000000 \right| < 5 \times \left| \text{Eta} - 2.900000 \right| < 0.05$

h2	
Entries	97536
Mean	0.3395
RMS	0.2534

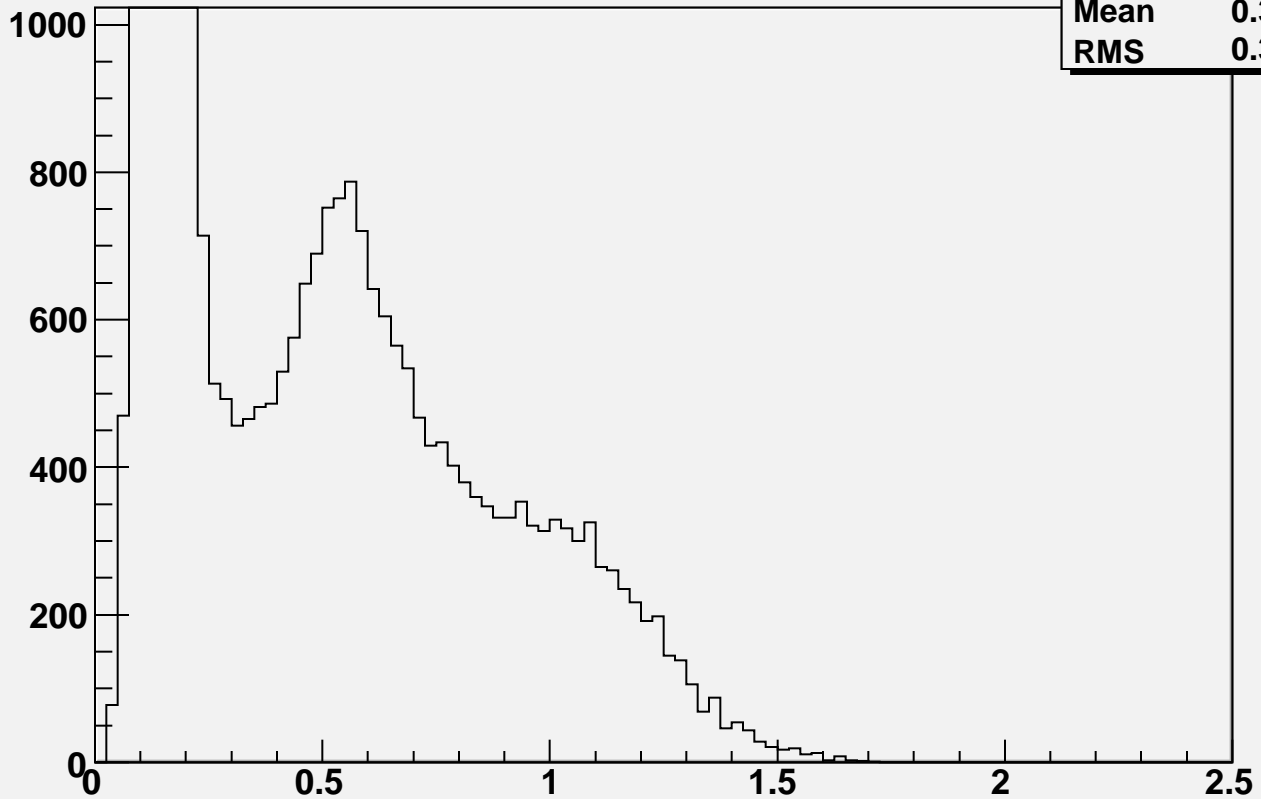


$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 30.000000) < 5. \text{ \& \& abs}(\text{Eta} - 2.900000) < .05$



h1	
Entries	43734
Mean	0.3823
RMS	0.3337

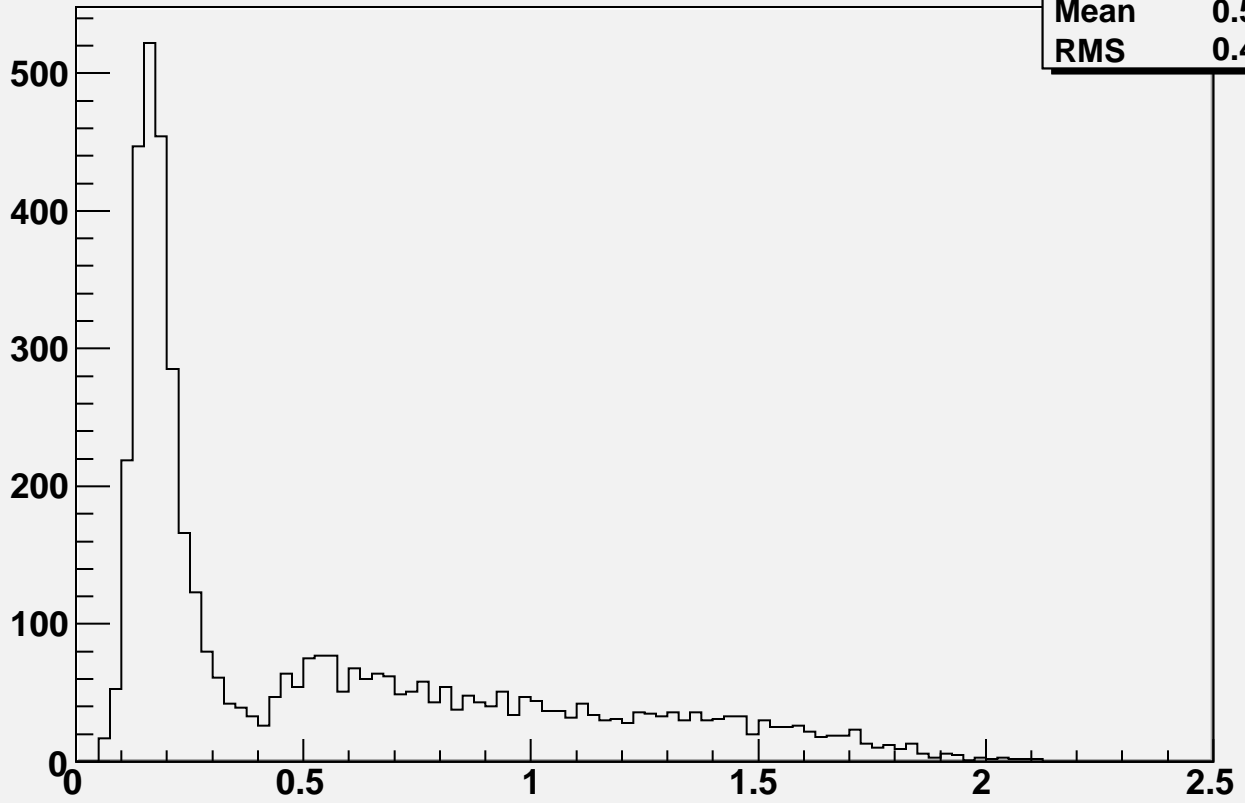
$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 30.000000) < 5. \text{ \& \& abs}(\text{Eta} - 2.900000) < .05$



h2	
Entries	43734
Mean	0.3823
RMS	0.3337

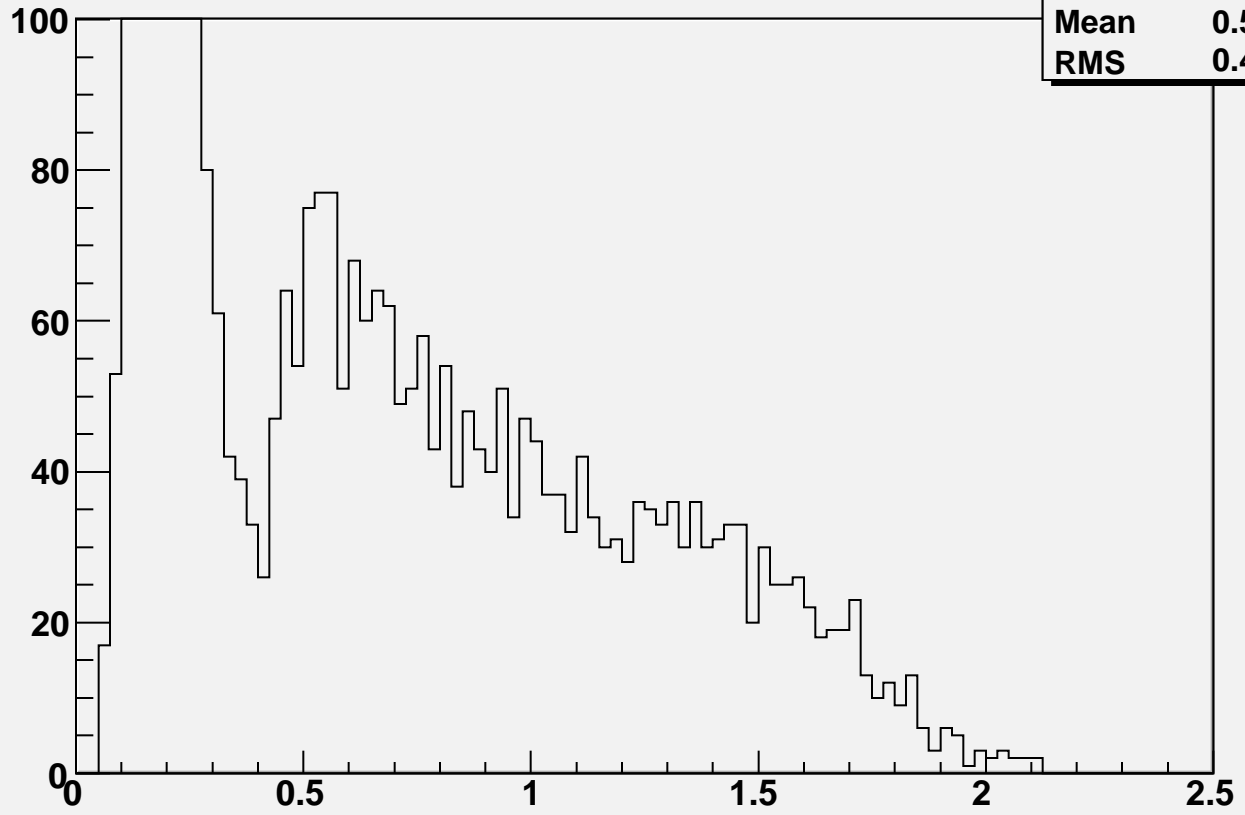
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 2.900000) < .05$

h1	
Entries	4789
Mean	0.5599
RMS	0.4828



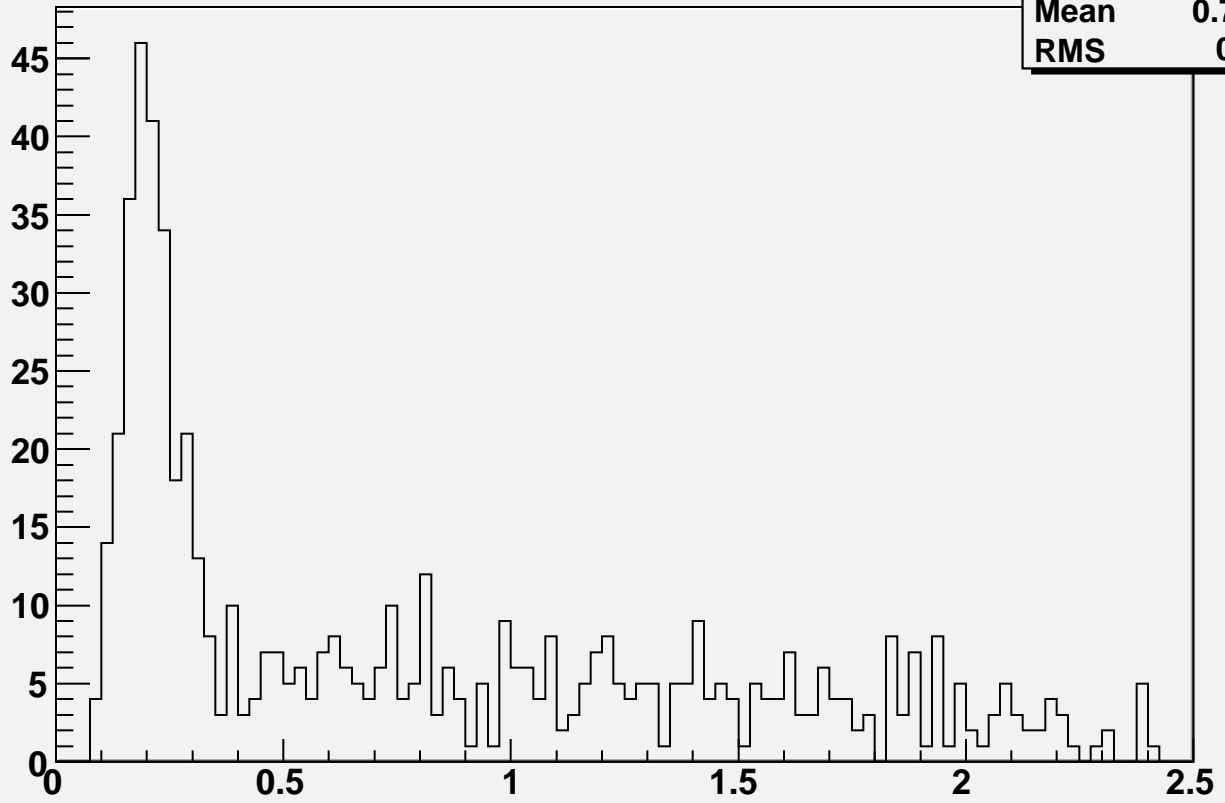
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 2.900000) < .05$

h2	
Entries	4789
Mean	0.5599
RMS	0.4828



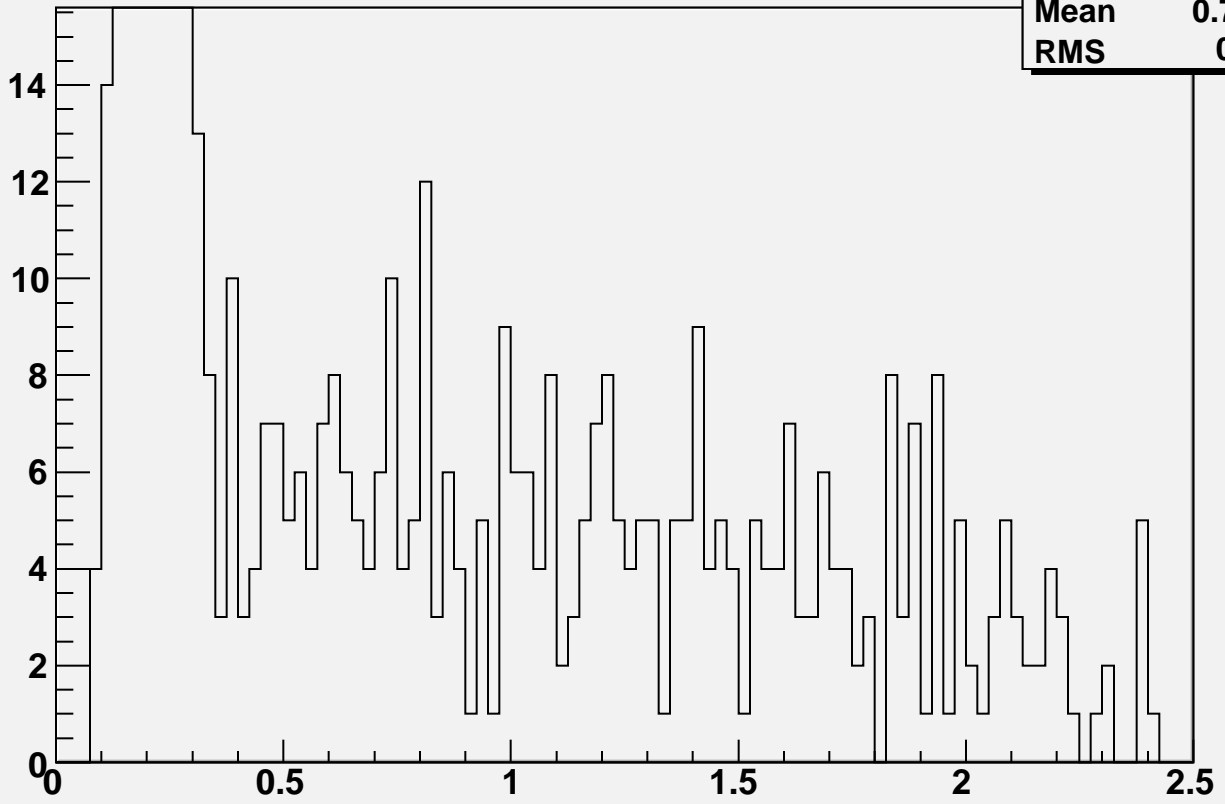
$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 50.000000) < 5. \text{ \& \& abs}(\text{Eta} - 2.900000) < .05$

h1	
Entries	618
Mean	0.7972
RMS	0.651



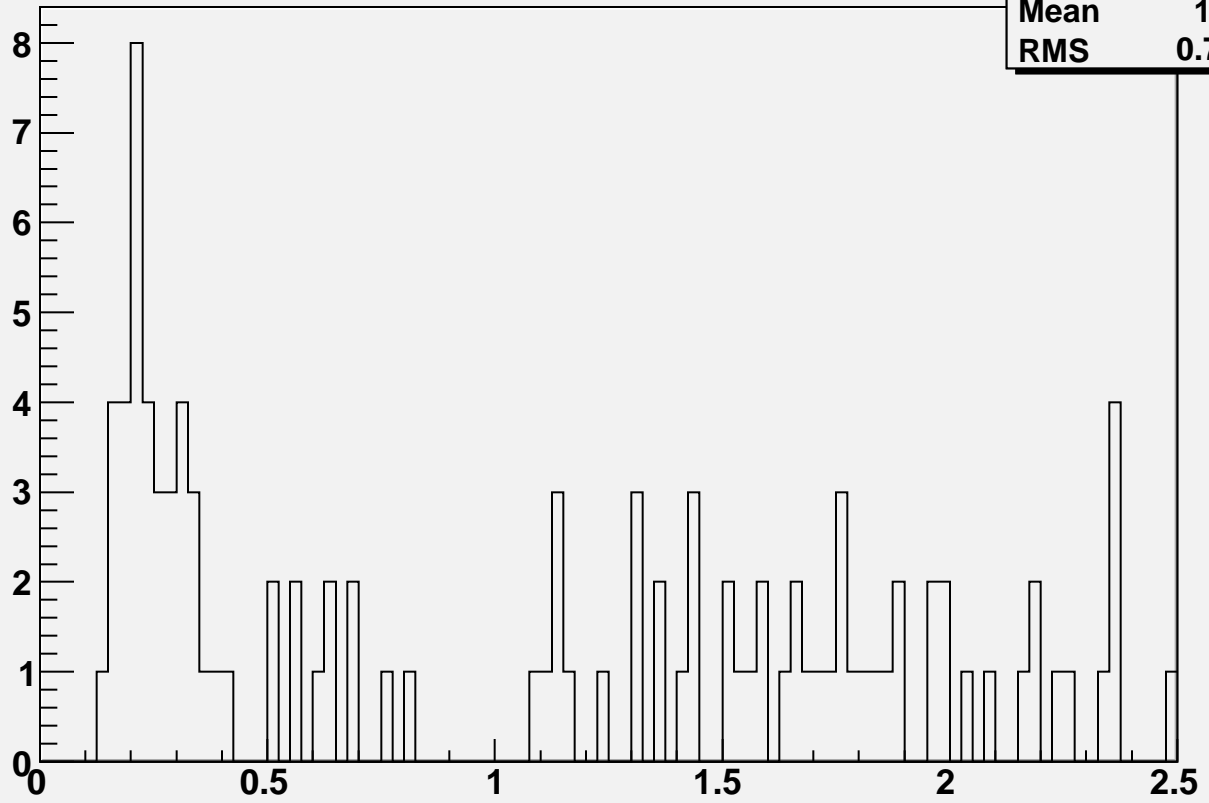
$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 50.000000) < 5. \text{ \& \& abs}(\text{Eta} - 2.900000) < .05$

h2	
Entries	618
Mean	0.7972
RMS	0.651



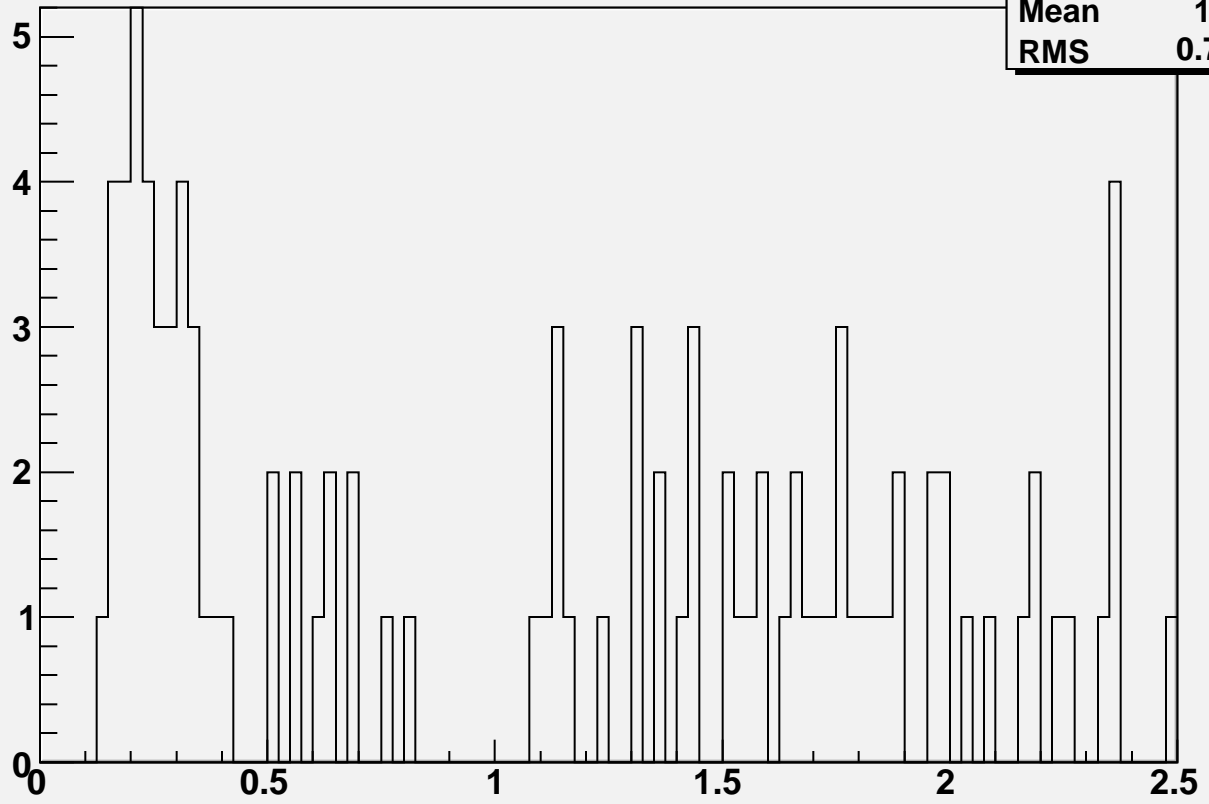
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 60.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 2.900000) < .05$

h1	
Entries	107
Mean	1.077
RMS	0.7593



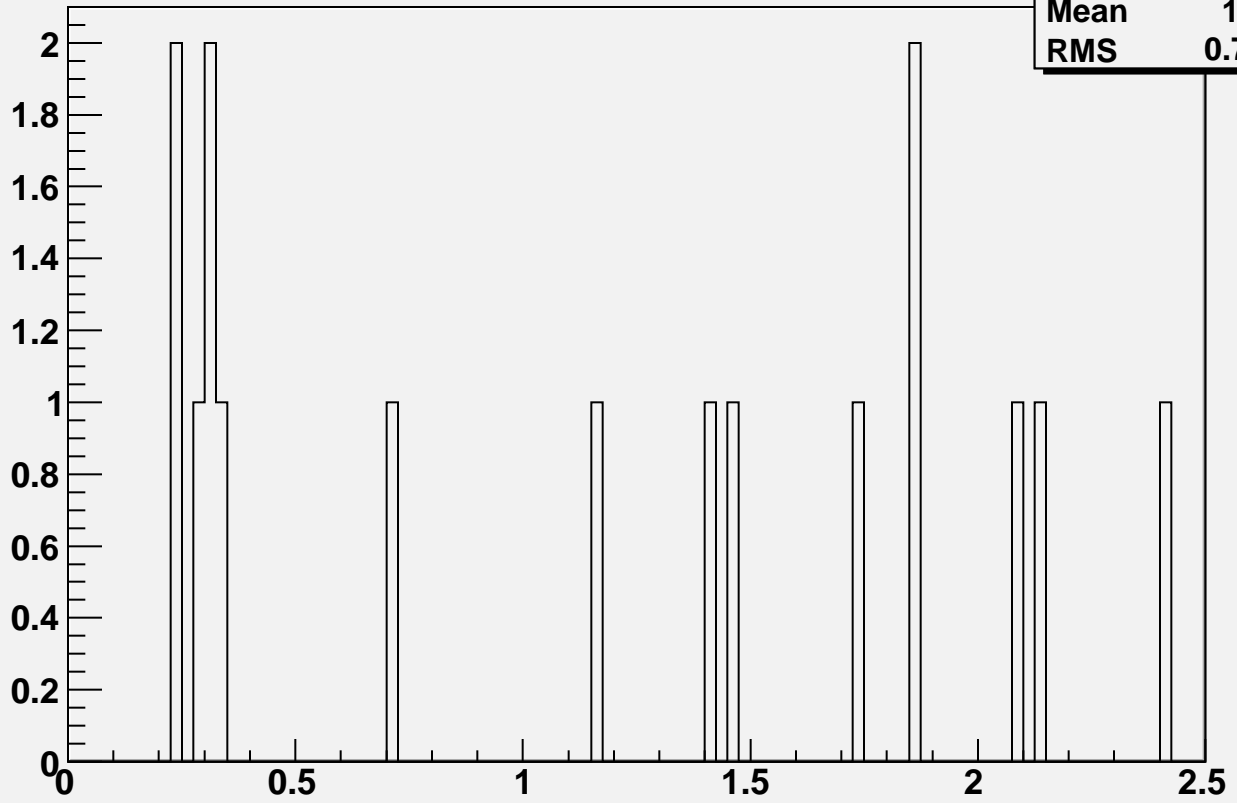
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 60.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 2.900000) < .05$

h2	
Entries	107
Mean	1.077
RMS	0.7593



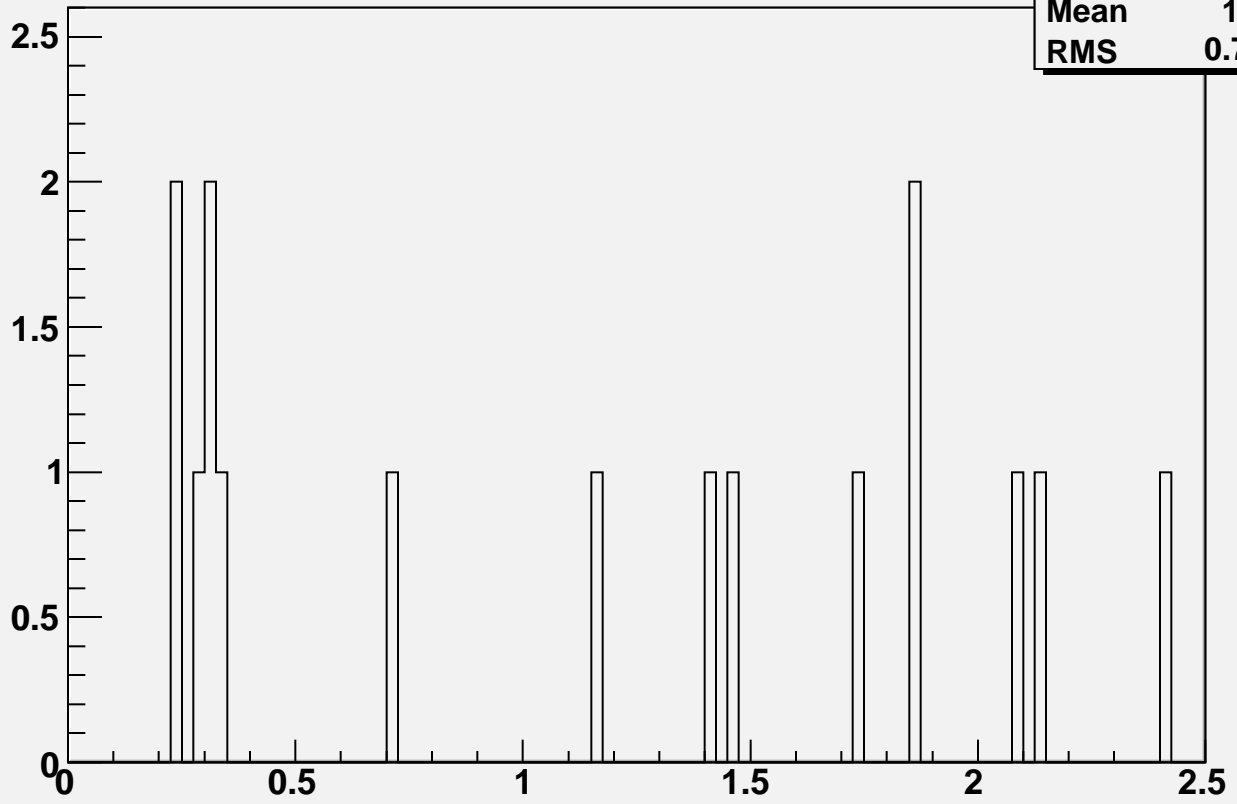
$N_{12} = 2 \text{ and } Z < 0.7 \text{ and } |\ln(E_{12} - 70.000000)| < 5 \text{ and } |\ln(\eta - 2.900000)| < 0.05$

h1	
Entries	22
Mean	1.159
RMS	0.7787



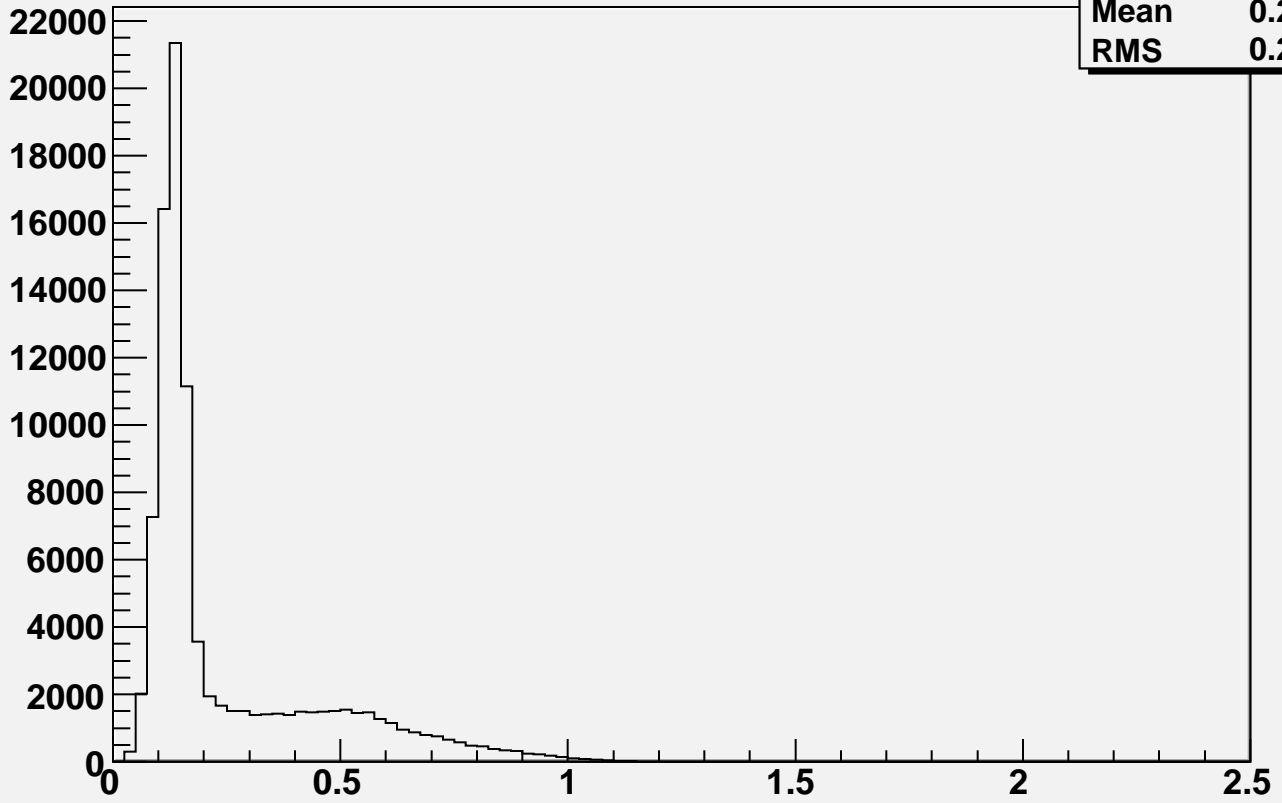
$N_{12} = 2 \text{ and } Z < 0.7 \text{ and } |\ln(E_{12} - 70.000000)| < 5 \text{ and } |\ln(\eta - 2.900000)| < 0.05$

h2	
Entries	22
Mean	1.159
RMS	0.7787



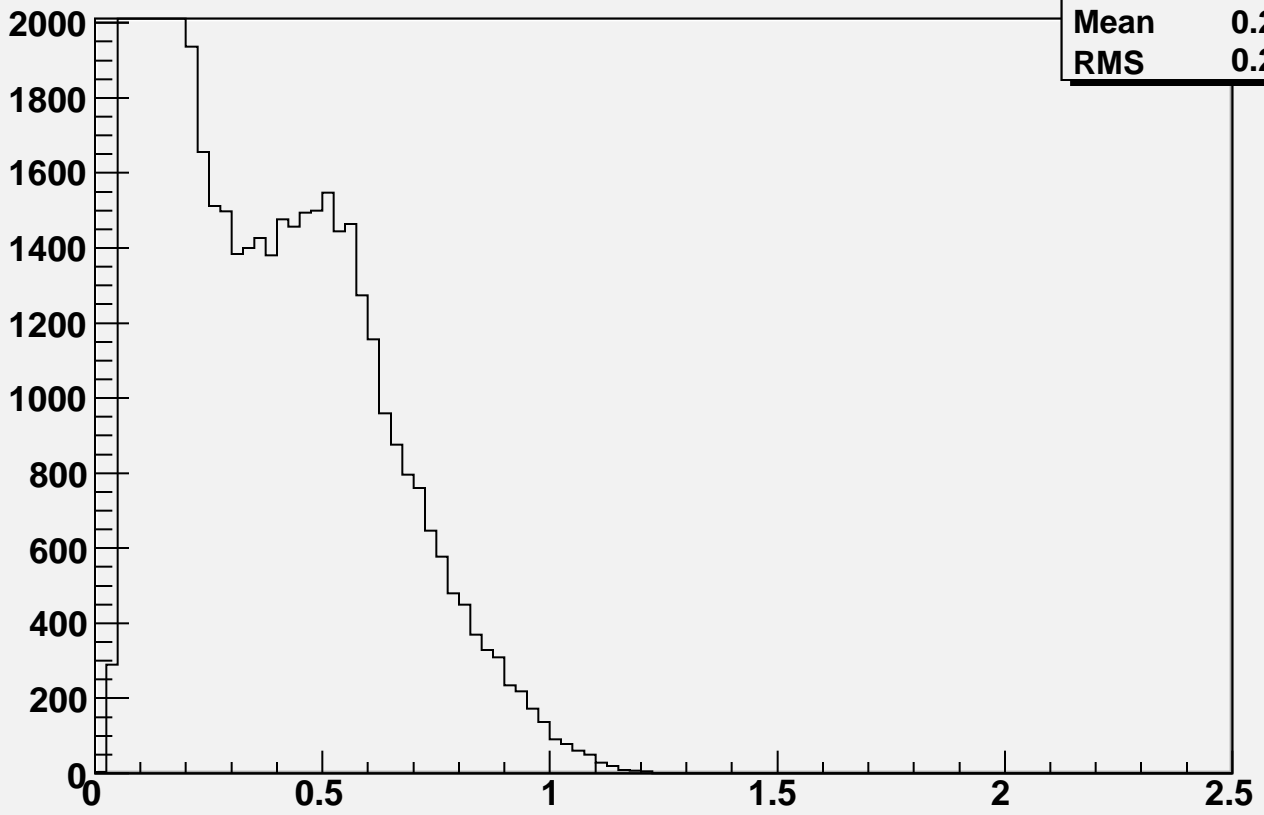
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5. \&\& \text{abs}(\text{Eta} - 2.800000) < .05$

h1	
Entries	94747
Mean	0.2538
RMS	0.2078

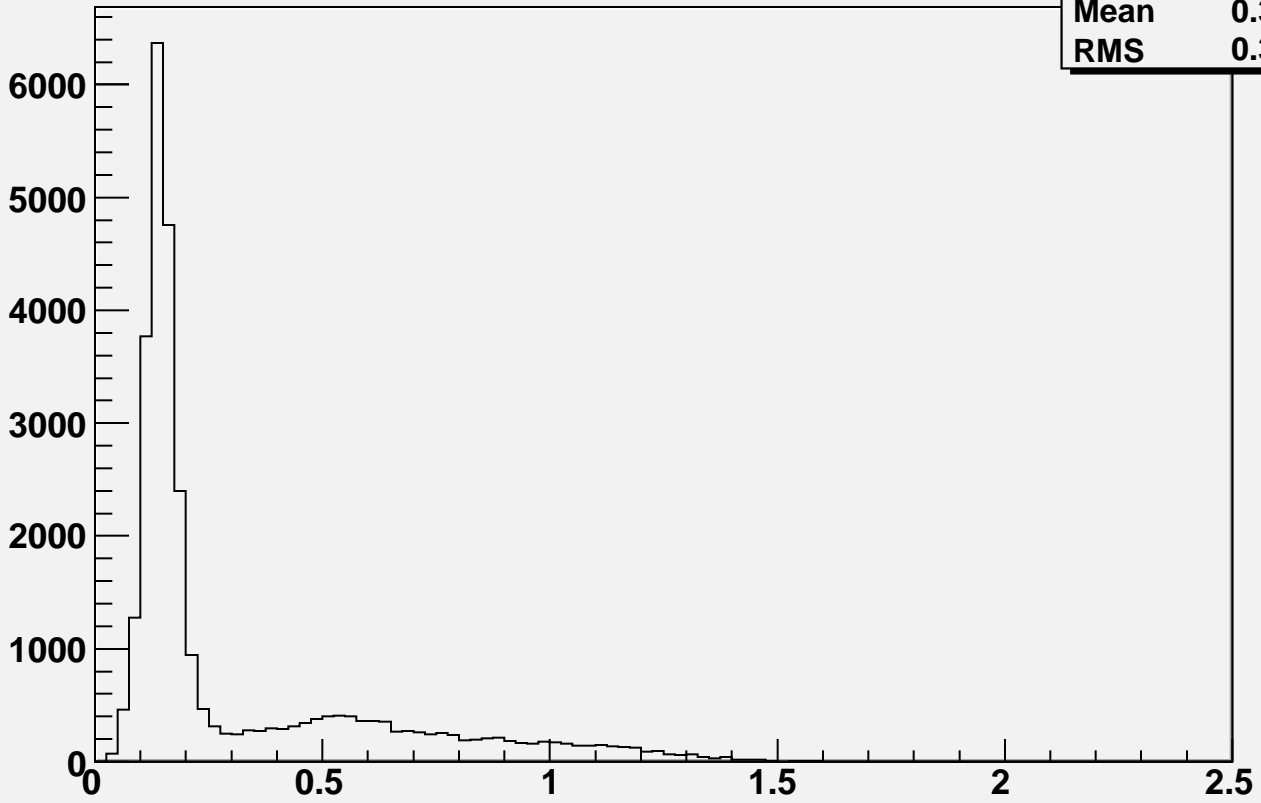


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5. \&\& \text{abs}(\text{Eta} - 2.800000) < .05$

h2	
Entries	94747
Mean	0.2538
RMS	0.2078

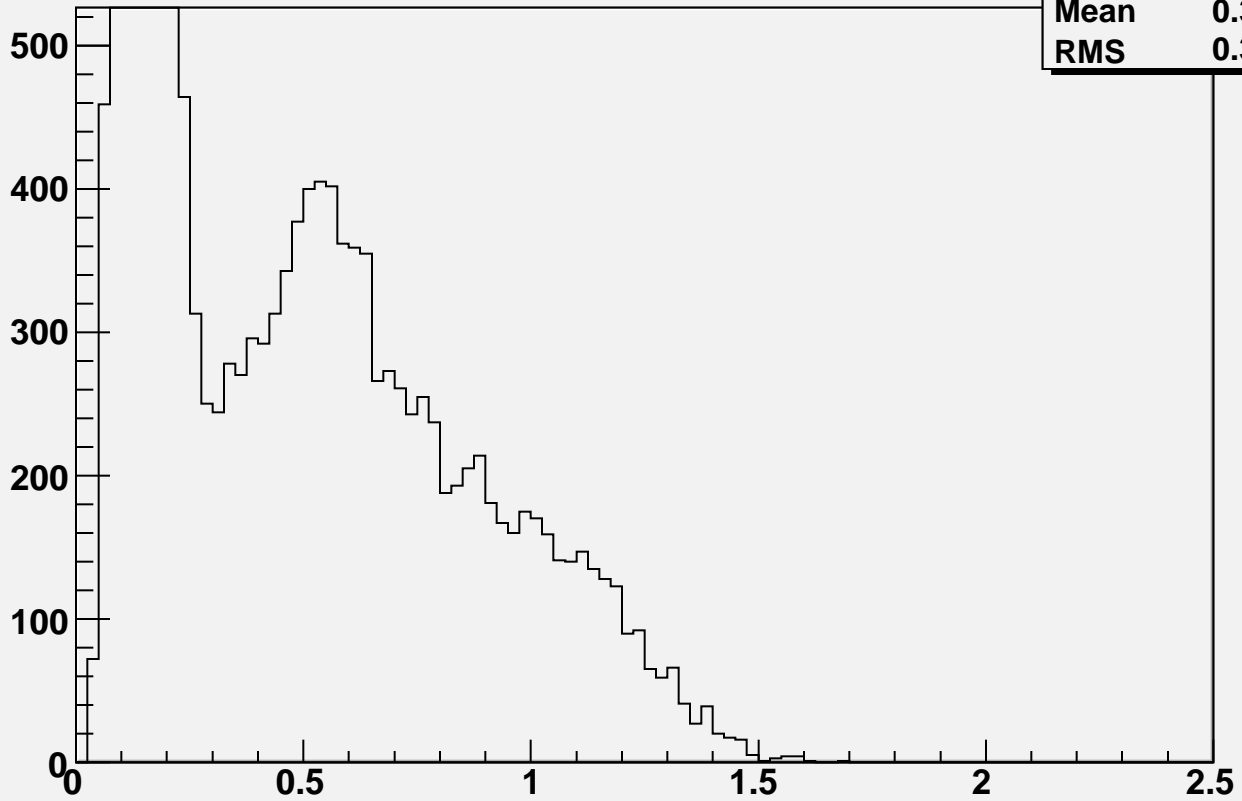


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 30.000000) < 5 \text{ \& \& } \text{abs}(\text{Eta} - 2.800000) < .05$



h1	
Entries	30480
Mean	0.3225
RMS	0.3035

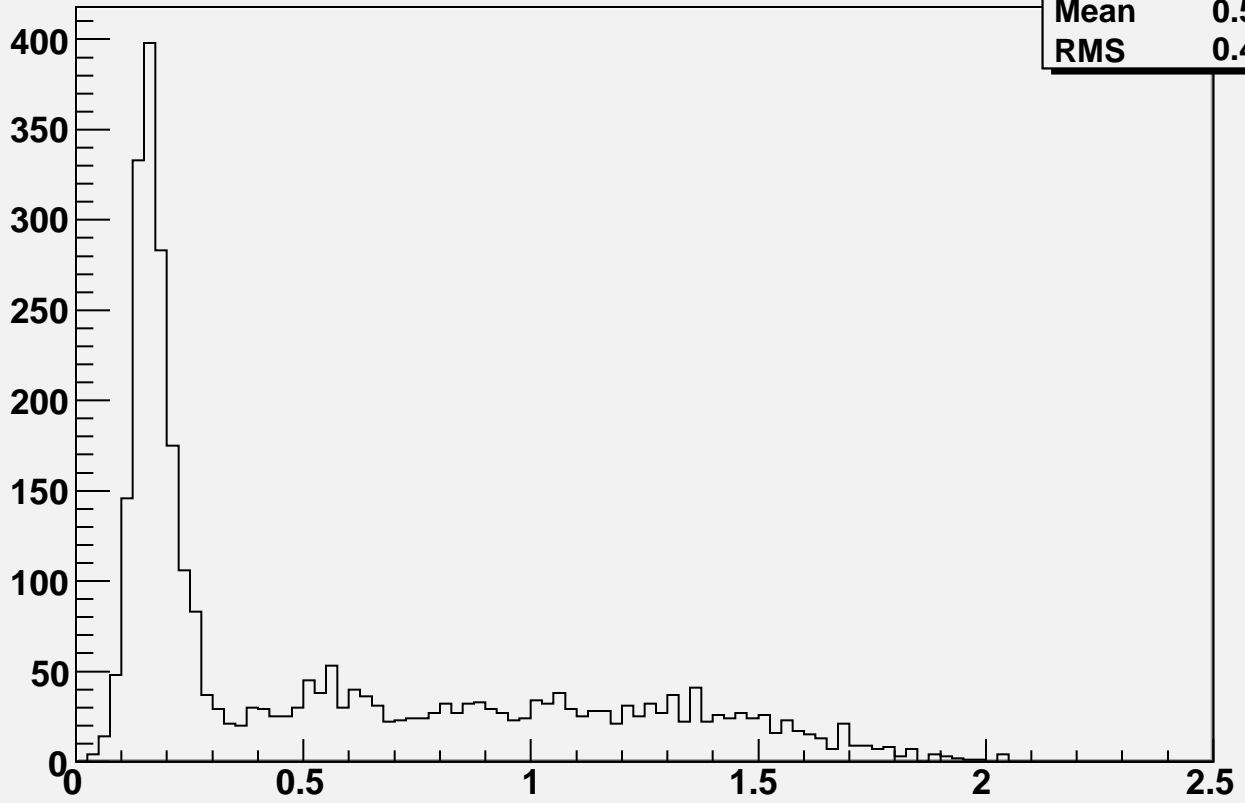
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 30.000000) < 5 \text{ \& \& } \text{abs}(\text{Eta} - 2.800000) < .05$



h2	
Entries	30480
Mean	0.3225
RMS	0.3035

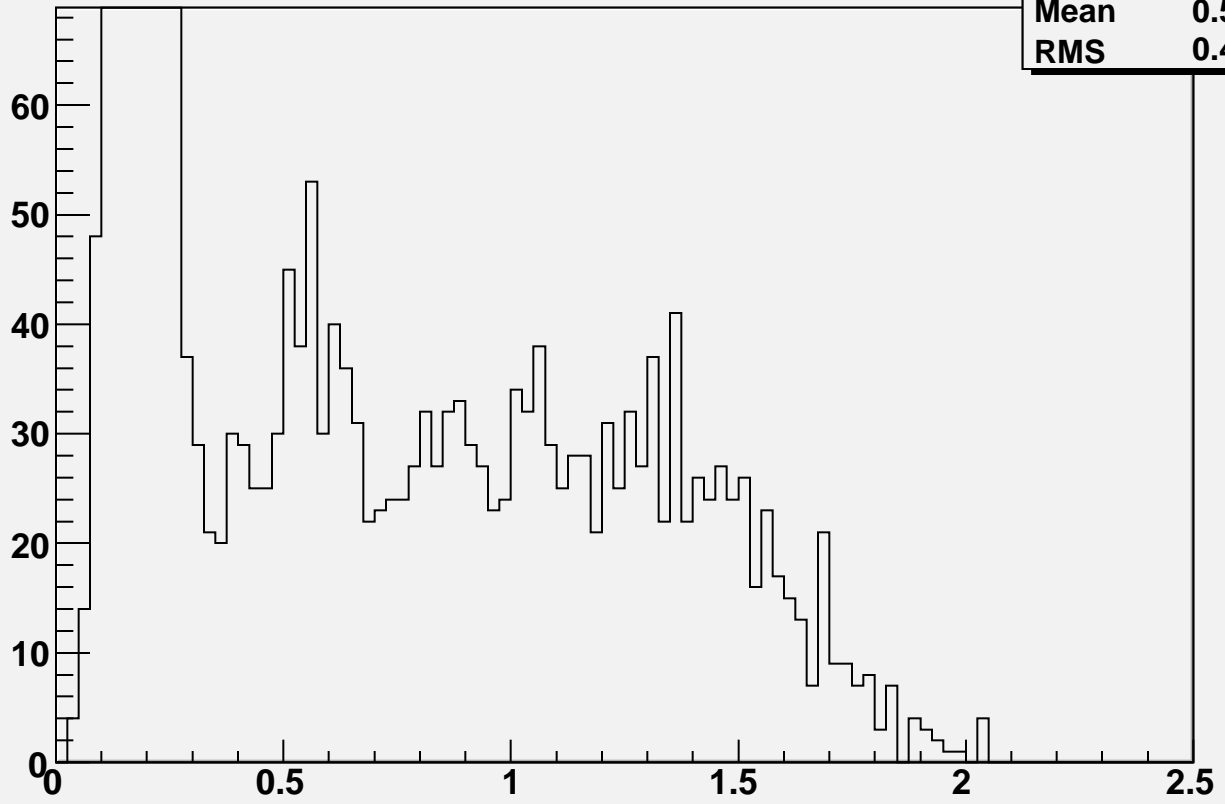
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 40.000000| < 5 \text{ \& \& } |\text{Eta} - 2.800000| < .05$

h1	
Entries	3225
Mean	0.5737
RMS	0.4984



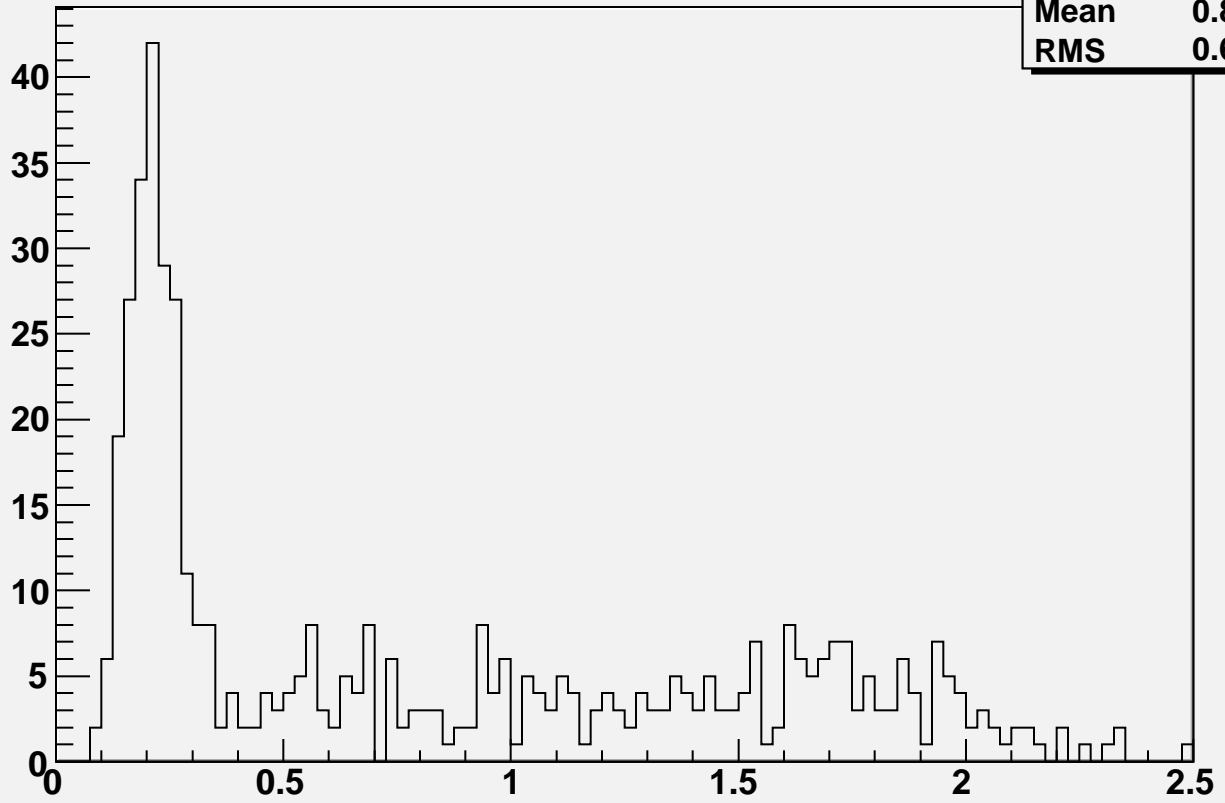
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 40.000000| < 5 \text{ \& \& } |\text{Eta} - 2.800000| < .05$

h2	
Entries	3225
Mean	0.5737
RMS	0.4984



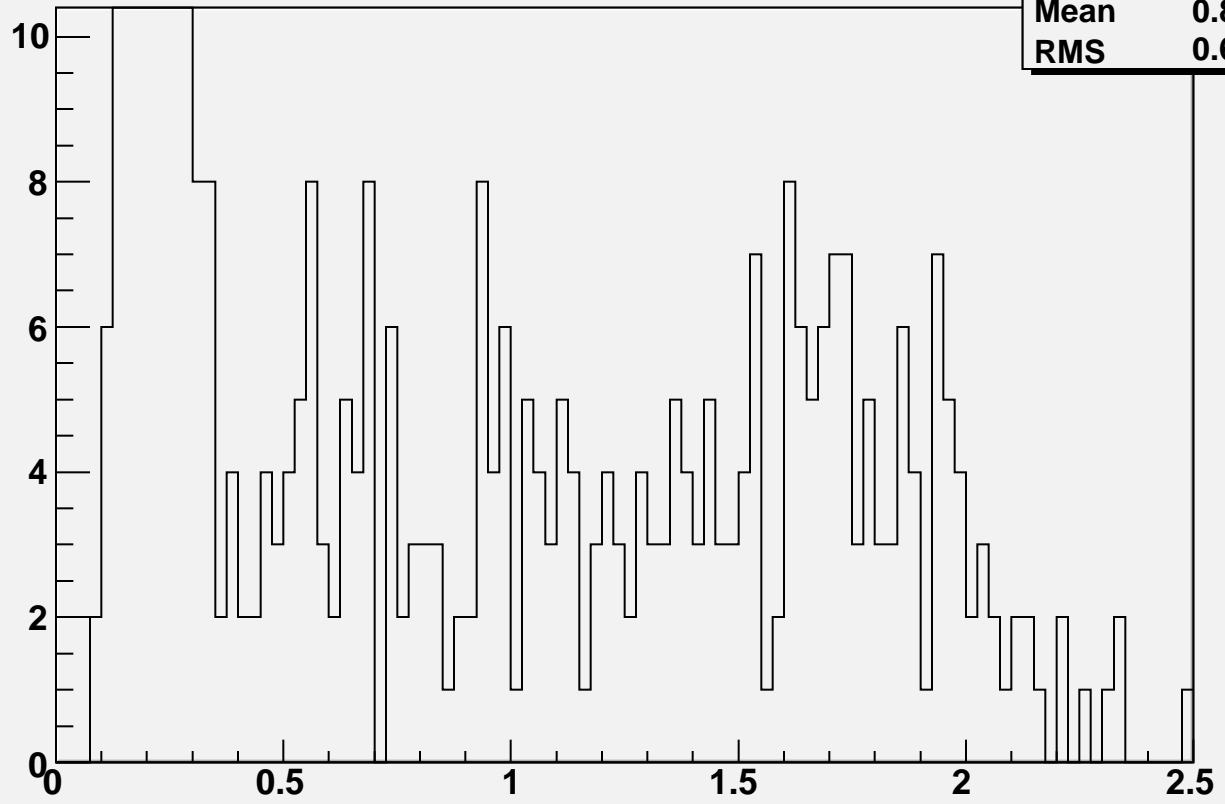
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 50.000000| < 5 \text{ \& \& } |\text{Eta} - 2.800000| < .05$

h1	
Entries	491
Mean	0.8224
RMS	0.6644



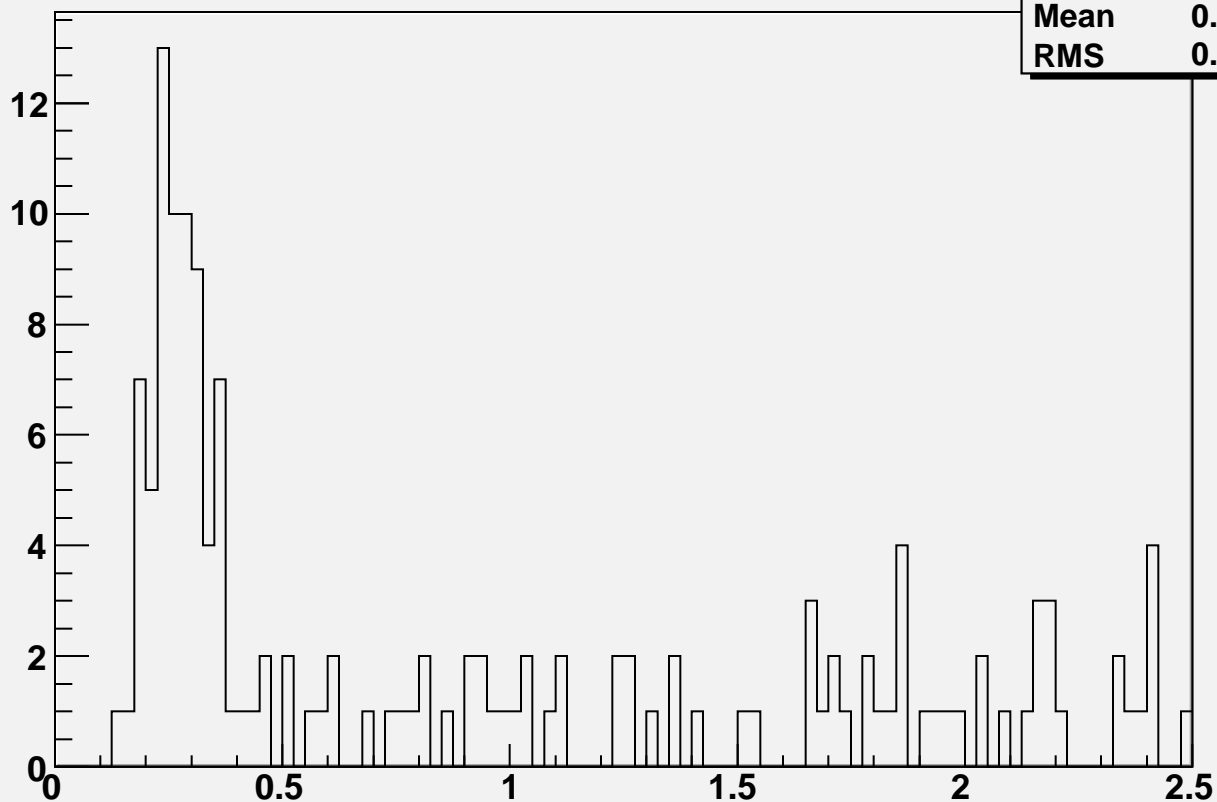
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 50.000000| < 5 \text{ \& \& } |\text{Eta} - 2.800000| < .05$

h2	
Entries	491
Mean	0.8224
RMS	0.6644



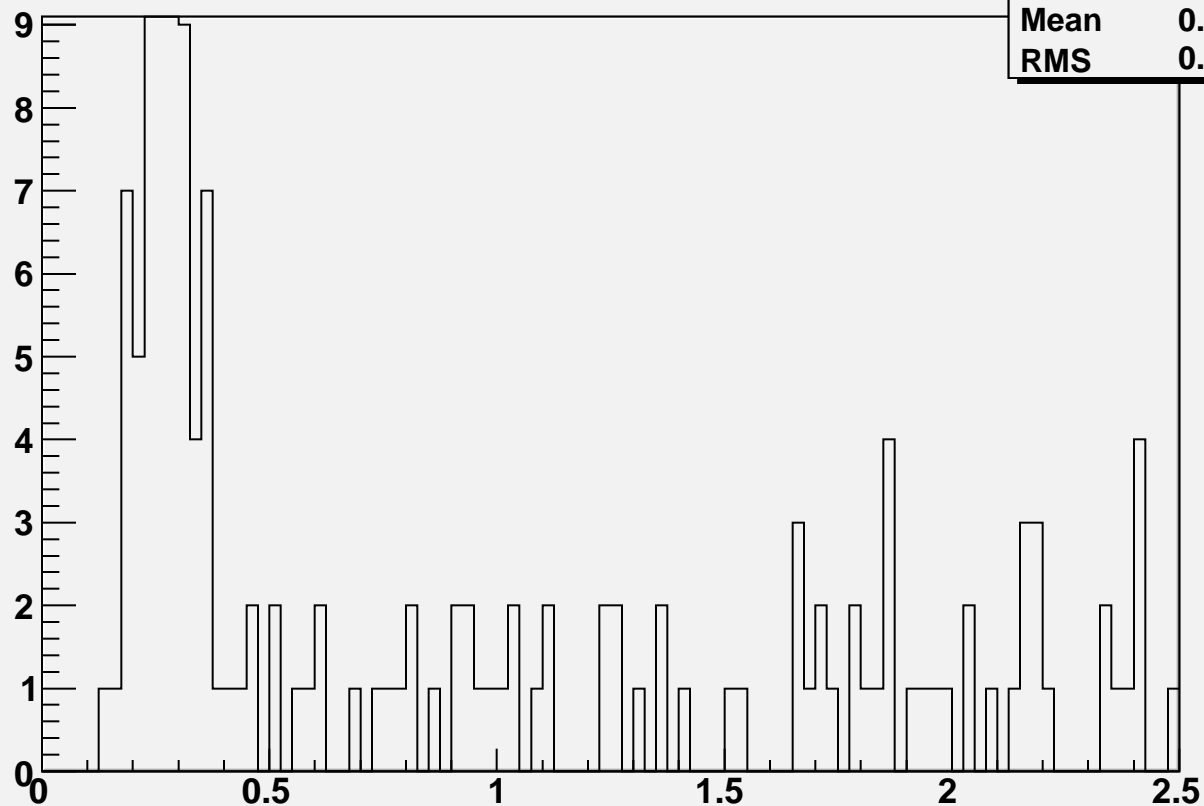
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 60.000000| < 5 \text{ \& \& } |\text{Eta} - 2.800000| < .05$

h1	
Entries	152
Mean	0.9178
RMS	0.7597



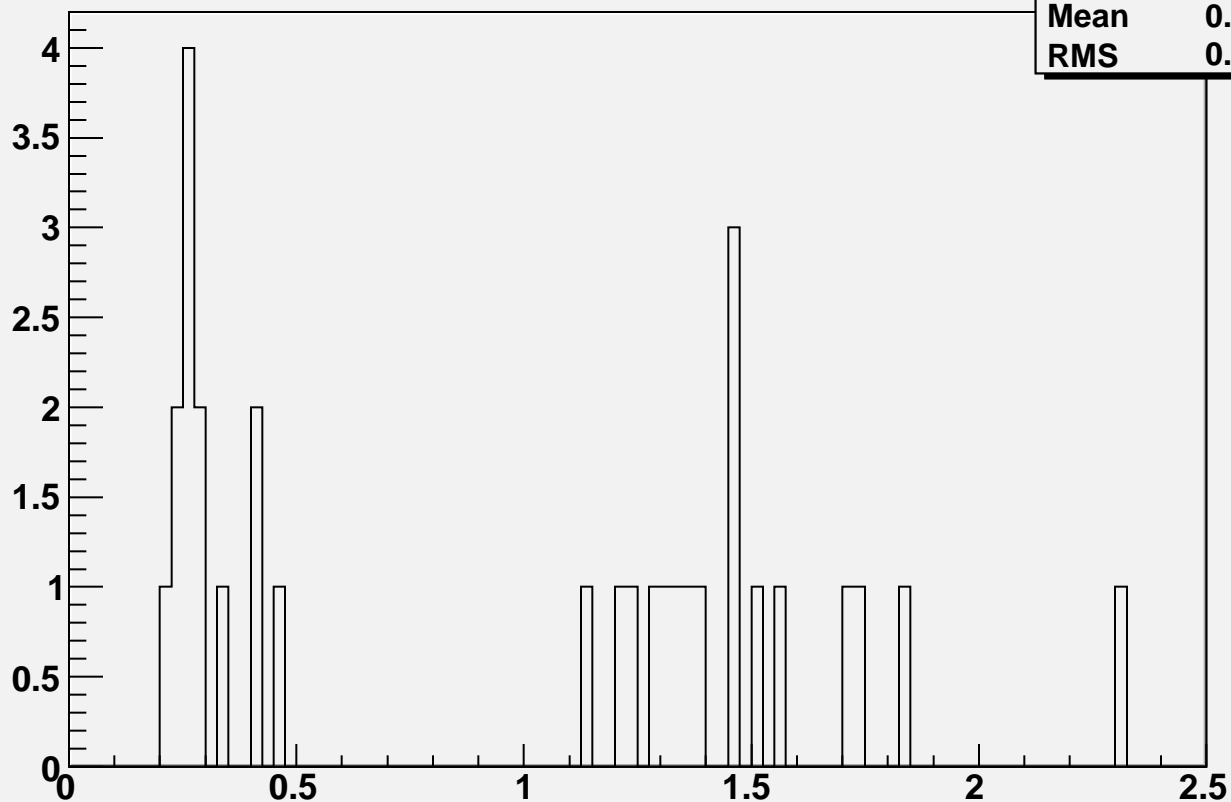
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 60.000000| < 5 \text{ \& \& } |\text{Eta} - 2.800000| < .05$

h2	
Entries	152
Mean	0.9178
RMS	0.7597



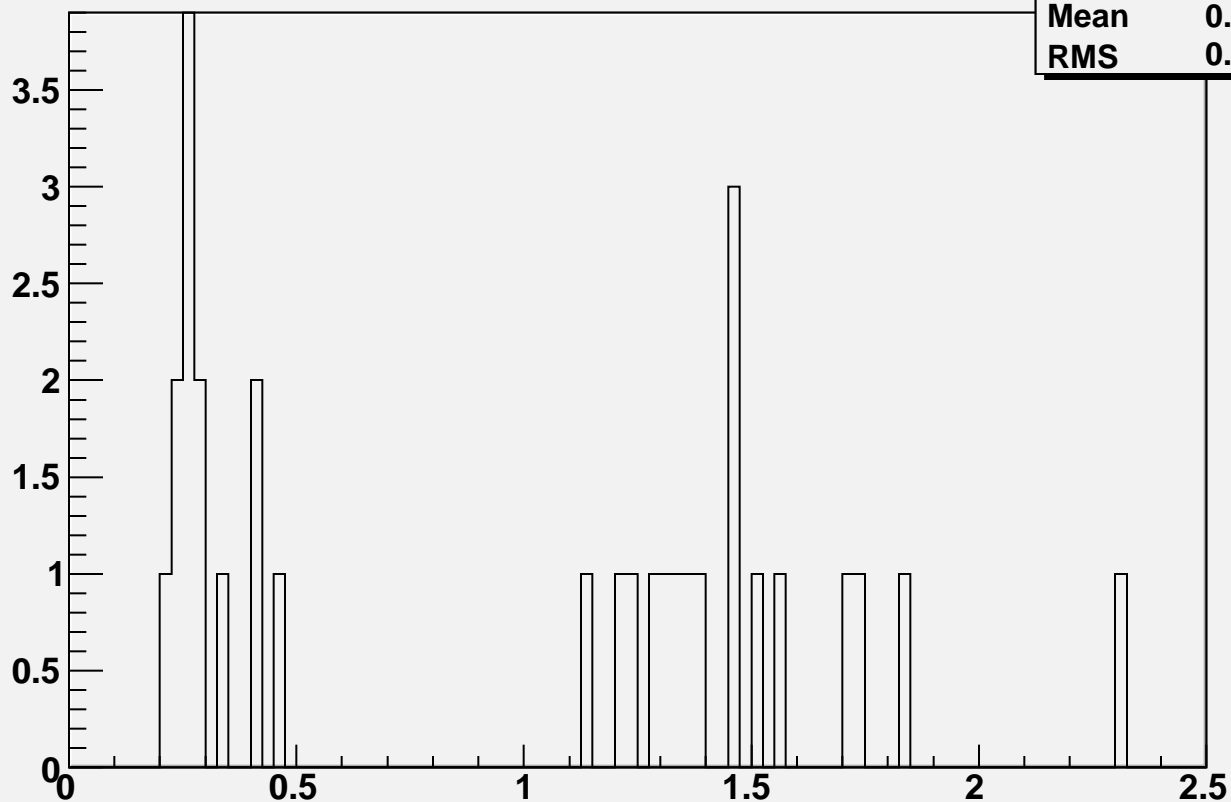
$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 70.000000) < 5. \text{ \& \&abs}(\text{Eta} - 2.800000) < .05$

h1	
Entries	41
Mean	0.9739
RMS	0.6259

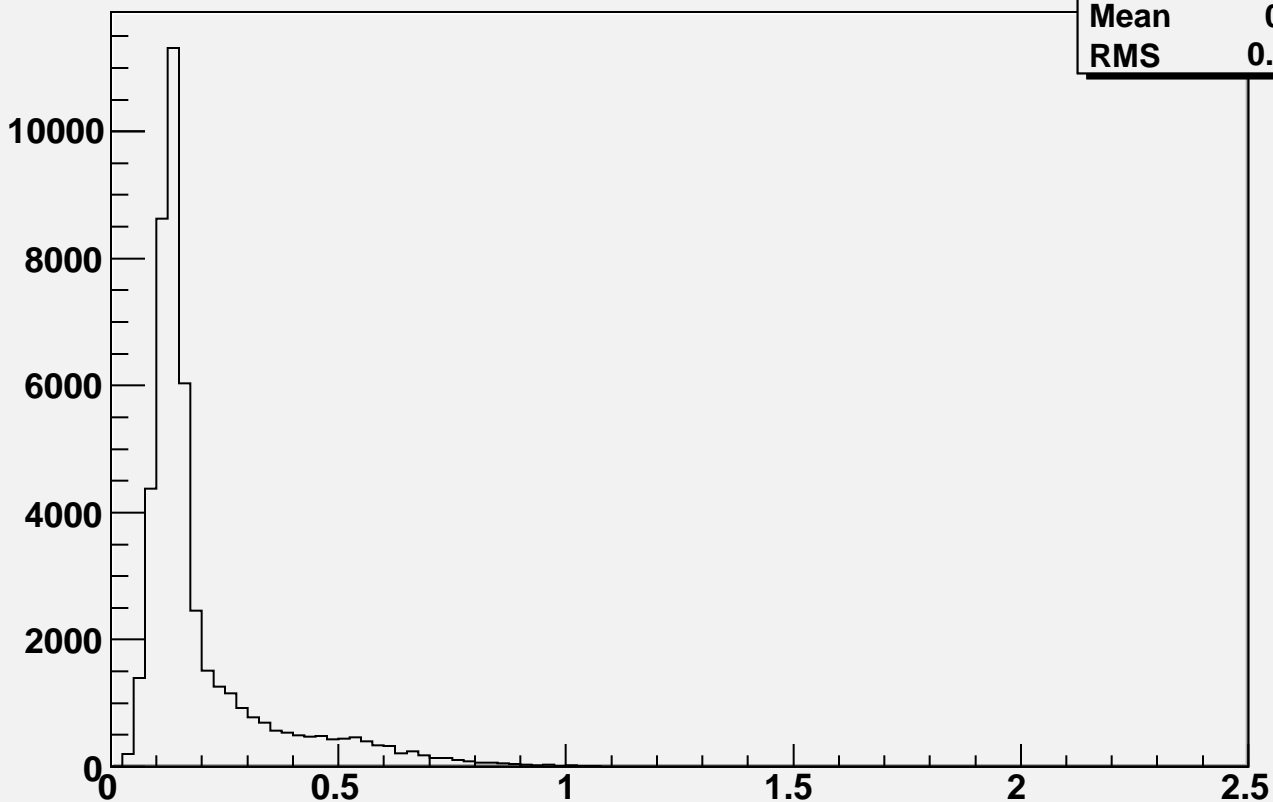


$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 70.000000) < 5. \text{ \& \&abs}(\text{Eta} - 2.800000) < .05$

h2	
Entries	41
Mean	0.9739
RMS	0.6259

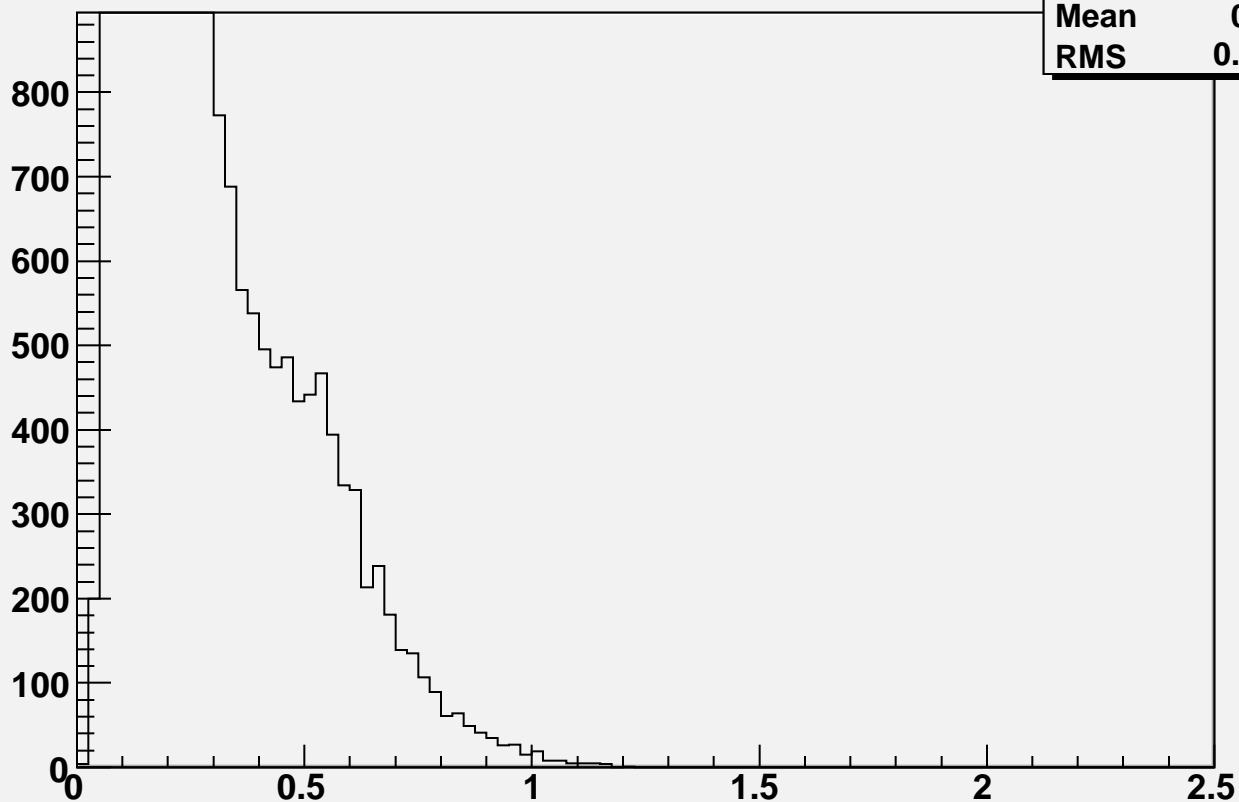


$N_{12} = 2 \text{ \&Z} < .7 \text{ \&\&abs}(E_{12} - 20.000000) < 5. \text{ \&\&abs}(\text{Eta} - 2.700000) < .05$



h1	
Entries	47156
Mean	0.203
RMS	0.1534

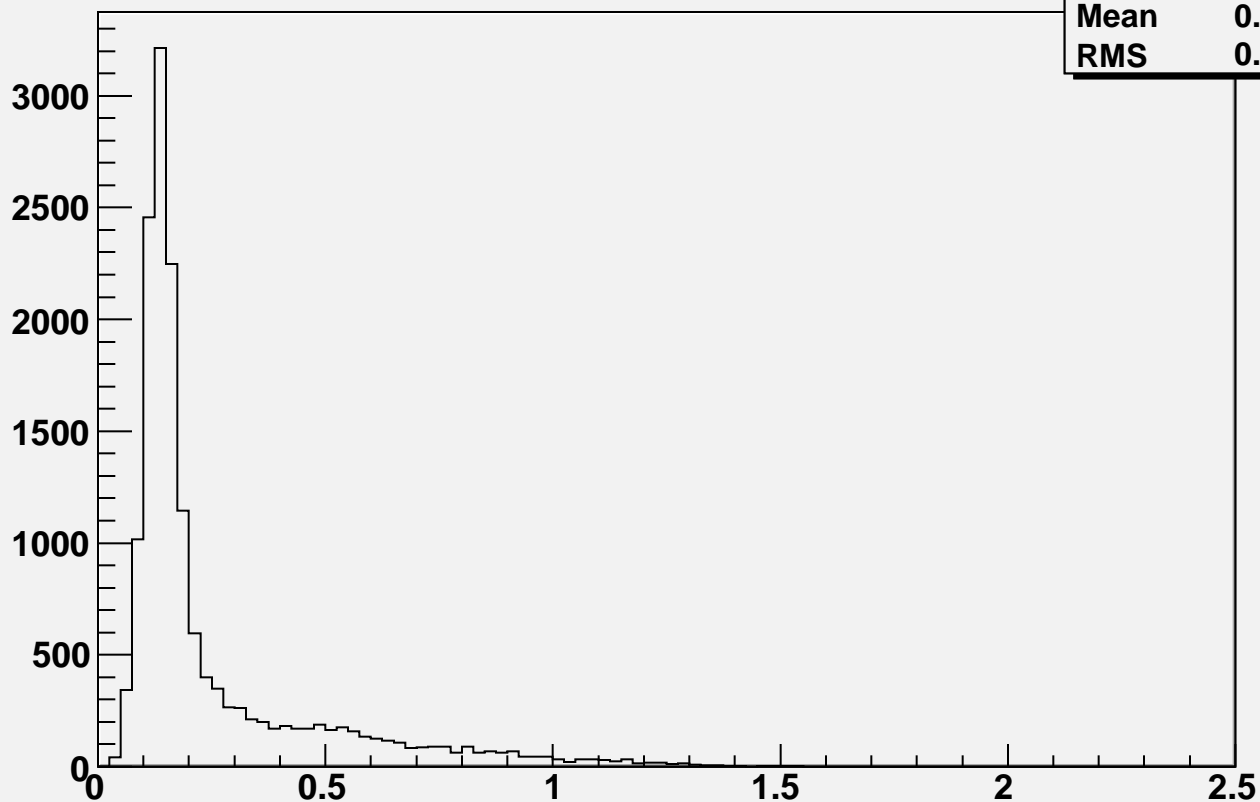
$N_{12} = 2 \text{ \&Z} < .7 \text{ \&\&abs}(E_{12} - 20.000000) < 5. \text{ \&\&abs}(\text{Eta} - 2.700000) < .05$



h2	
Entries	47156
Mean	0.203
RMS	0.1534

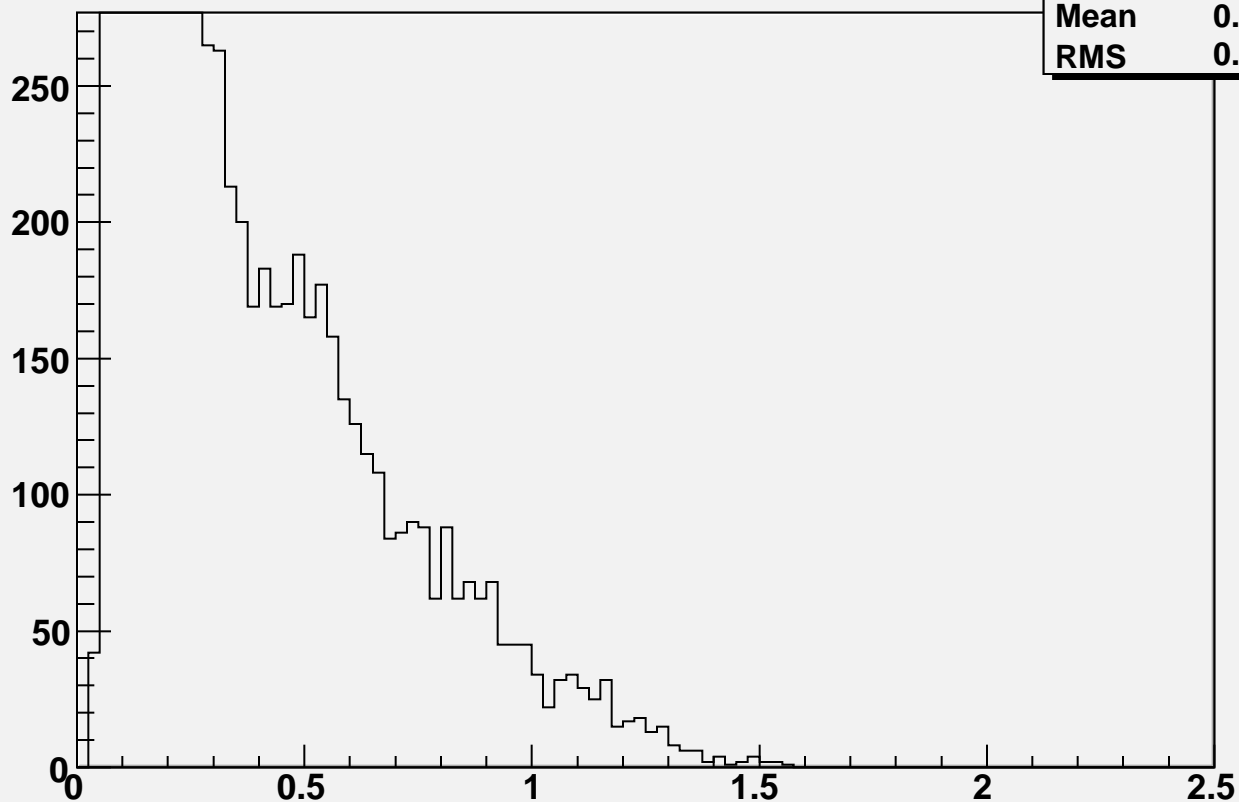
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 30.000000) < 5 \&\& \text{abs}(\text{Eta} - 2.700000) < .05$

h1	
Entries	15830
Mean	0.2582
RMS	0.2335



$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 30.000000) < 5 \&\& \text{abs}(\text{Eta} - 2.700000) < .05$

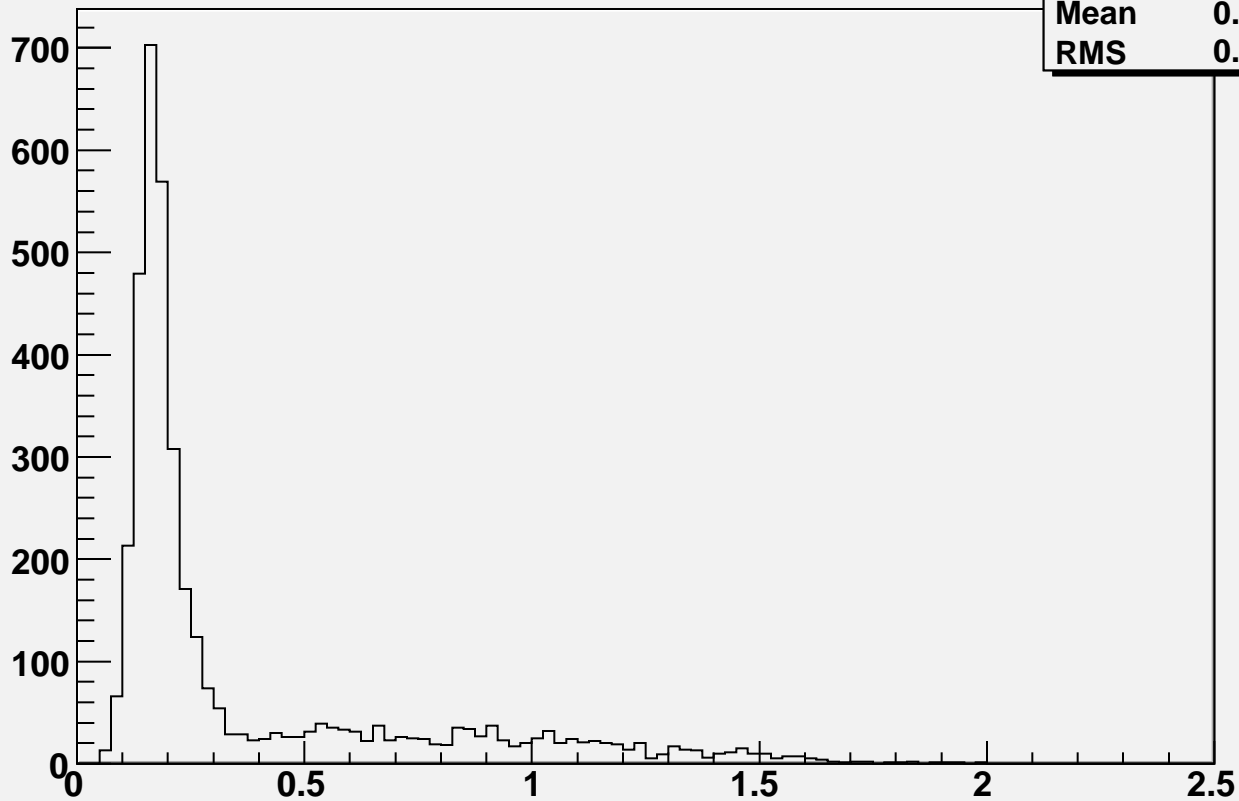
h2	
Entries	15830
Mean	0.2582
RMS	0.2335



$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 2.700000) < .05$

h1

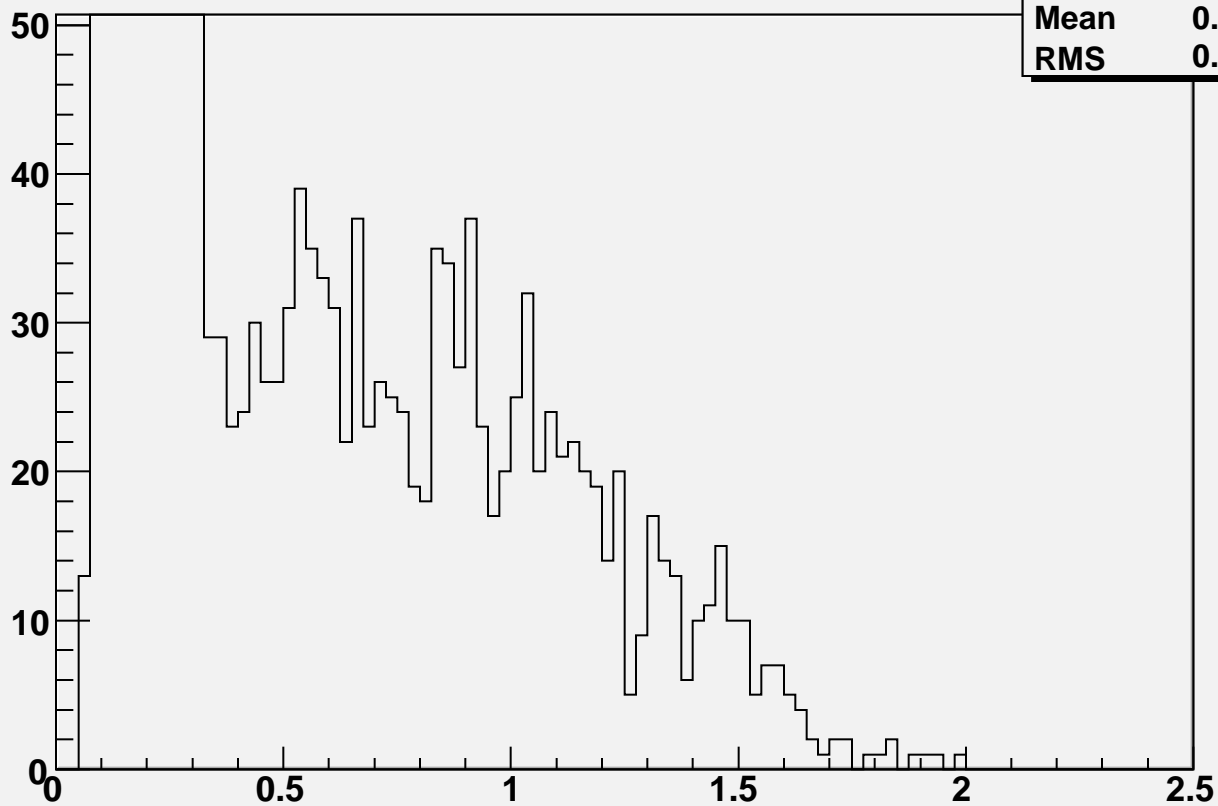
Entries	3897
Mean	0.3743
RMS	0.3628



$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 2.700000) < .05$

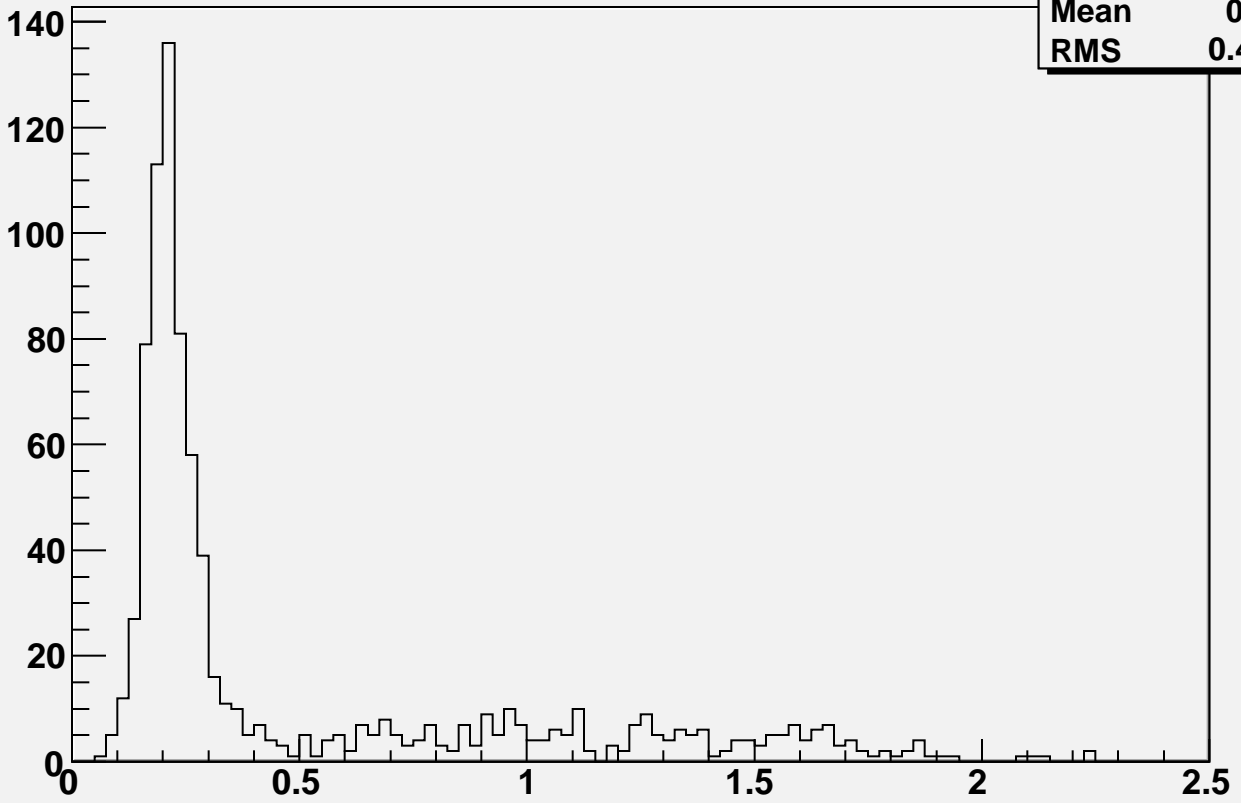
h2

Entries	3897
Mean	0.3743
RMS	0.3628



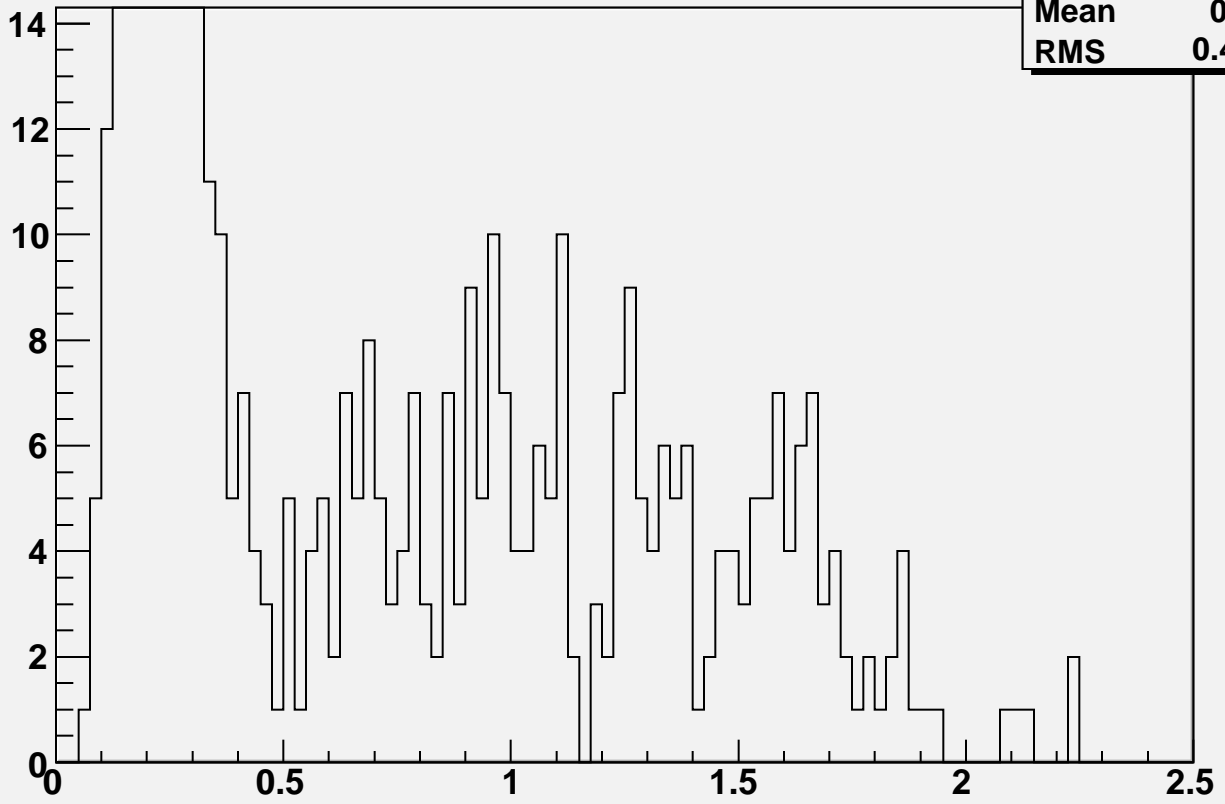
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 50.000000| < 5. \text{ \& \& } |\text{Eta} - 2.700000| < .05$

h1	
Entries	864
Mean	0.503
RMS	0.4872



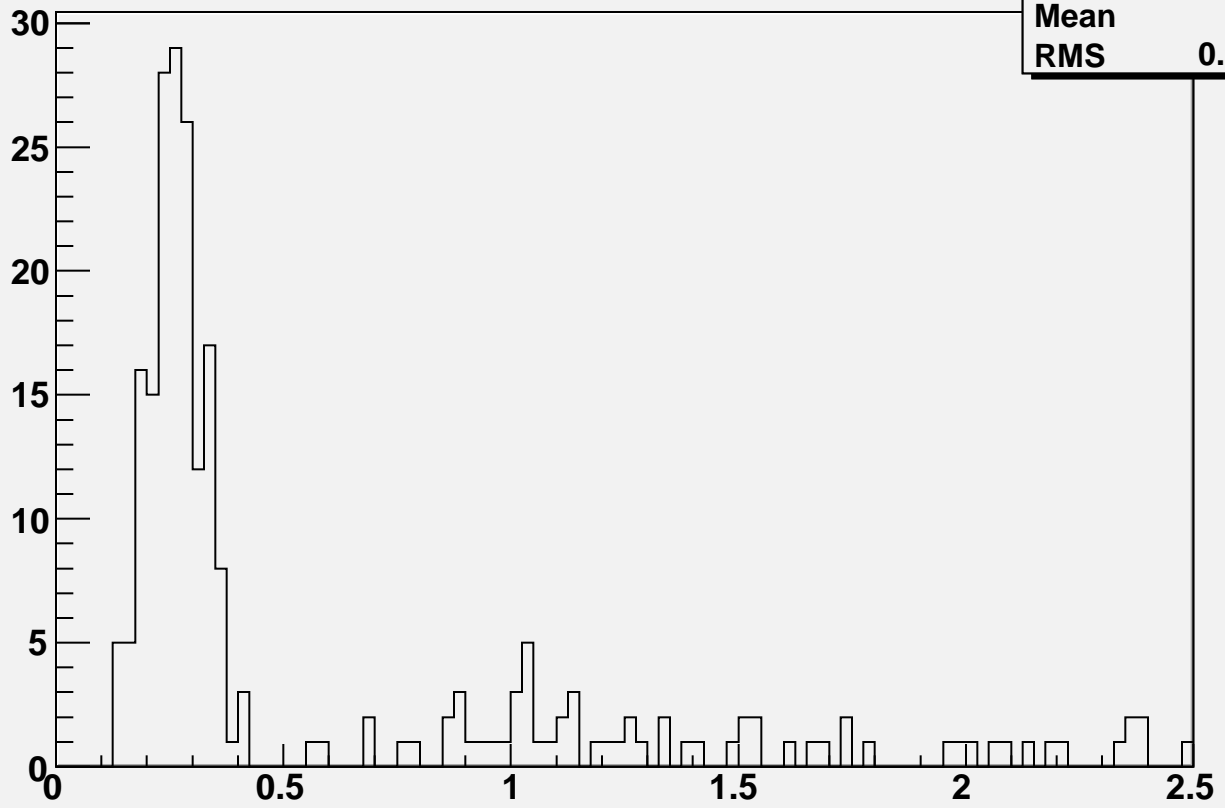
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 50.000000| < 5. \text{ \& \& } |\text{Eta} - 2.700000| < .05$

h2	
Entries	864
Mean	0.503
RMS	0.4872



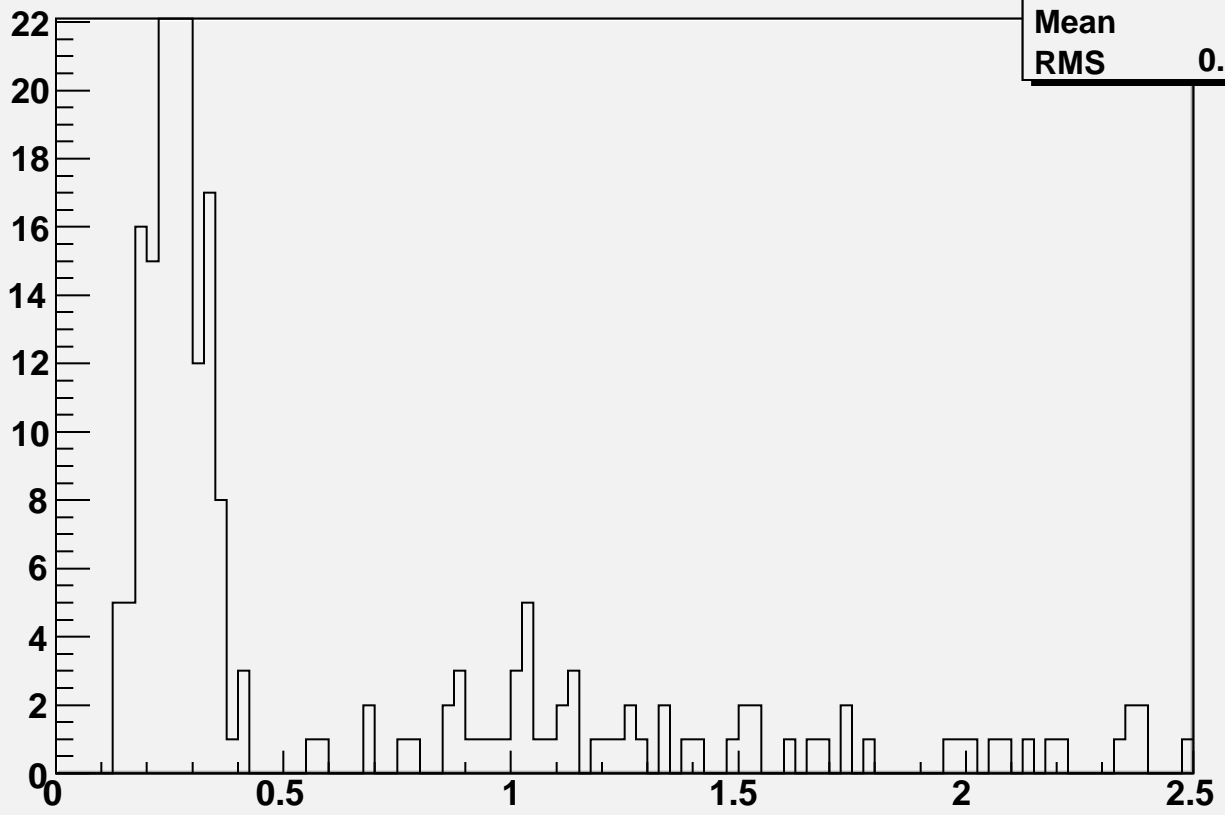
$N_{12} = 2 \cos Z < 0.7 \cos \theta < 5 \cos \eta < 0.05$

h1	
Entries	232
Mean	0.58
RMS	0.5771



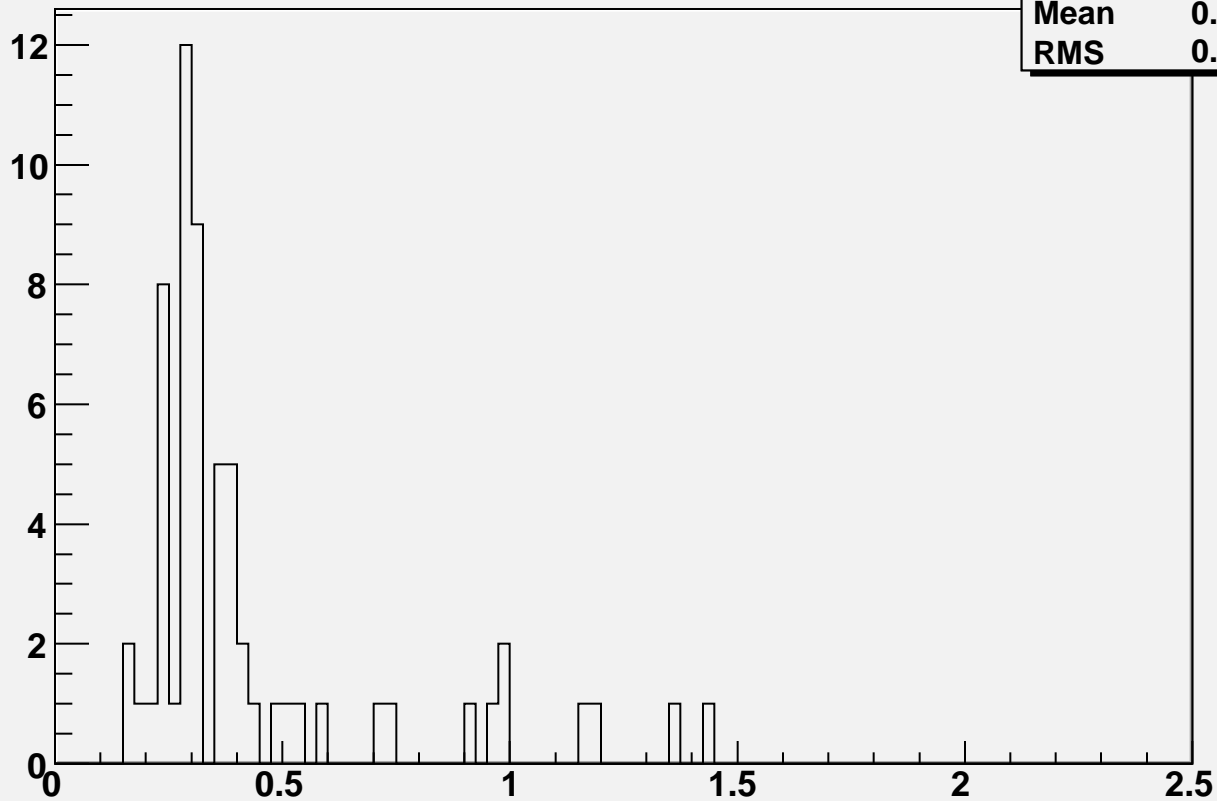
$N_{12} = 2 \cos Z < 0.7 \cos \theta < 5 \cos \eta < 0.05$

h2	
Entries	232
Mean	0.58
RMS	0.5771



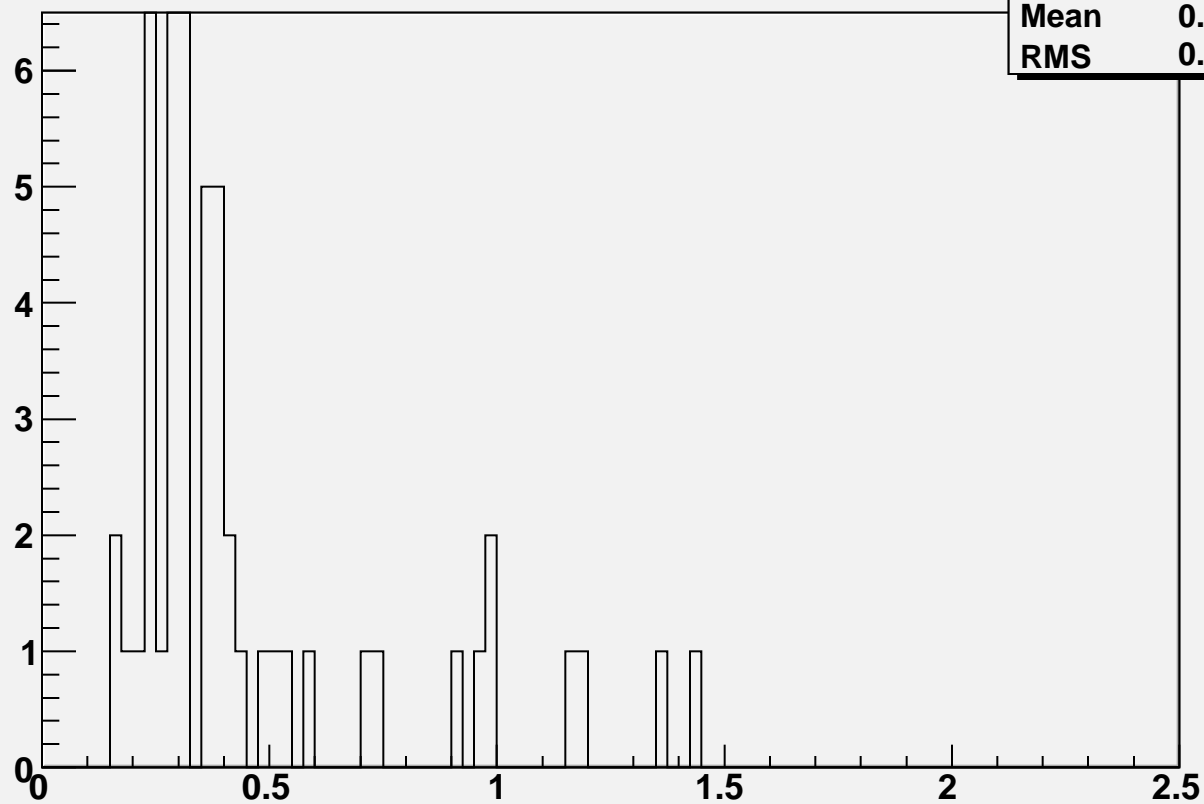
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 70.000000) < 5 \text{ \&\& } \text{abs}(\text{Eta} - 2.700000) < .05$

h1	
Entries	63
Mean	0.4374
RMS	0.2954



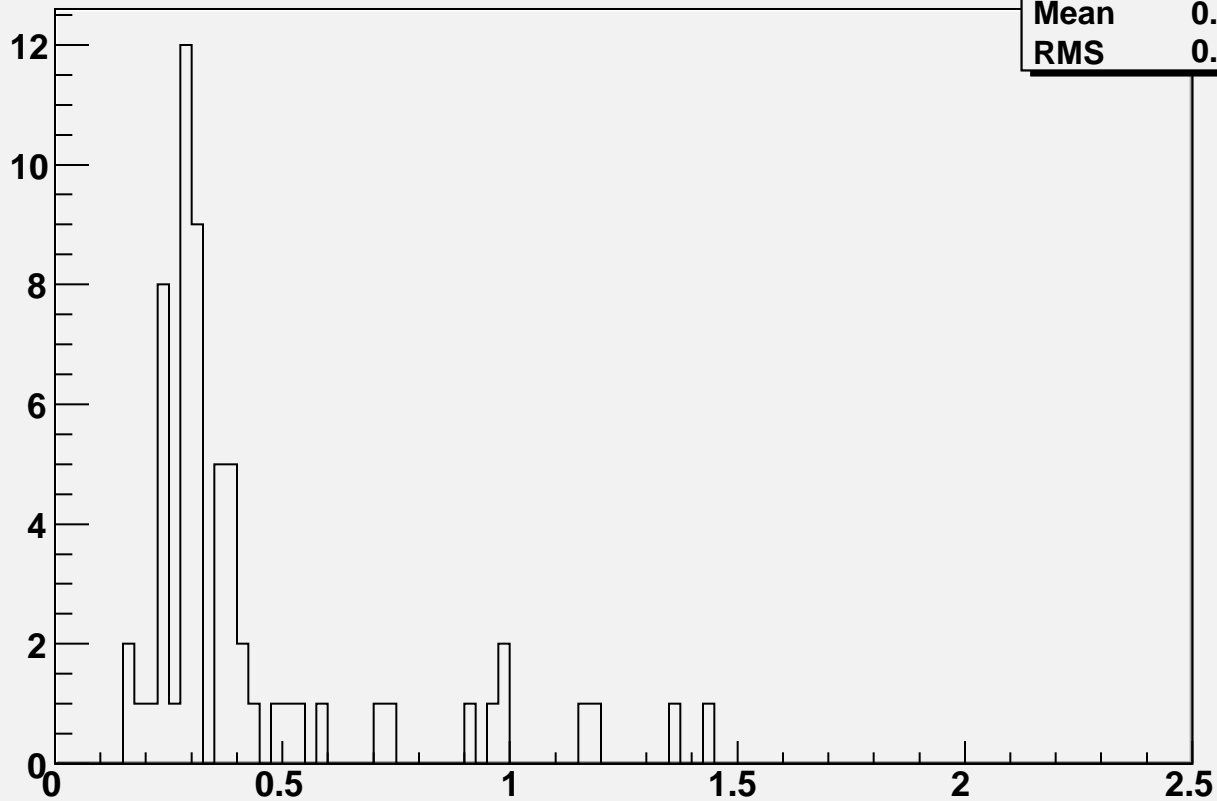
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 70.000000) < 5 \text{ \&\& } \text{abs}(\text{Eta} - 2.700000) < .05$

h2	
Entries	63
Mean	0.4374
RMS	0.2954



$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } |\text{E}_{12} - 70.000000| < 5 \text{ \&\& } |\text{Eta} - 2.700000| < .05$

h1	
Entries	63
Mean	0.4374
RMS	0.2954



$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } |\text{E}_{12} - 70.000000| < 5 \text{ \&\& } |\text{Eta} - 2.700000| < .05$

h2	
Entries	63
Mean	0.4374
RMS	0.2954

