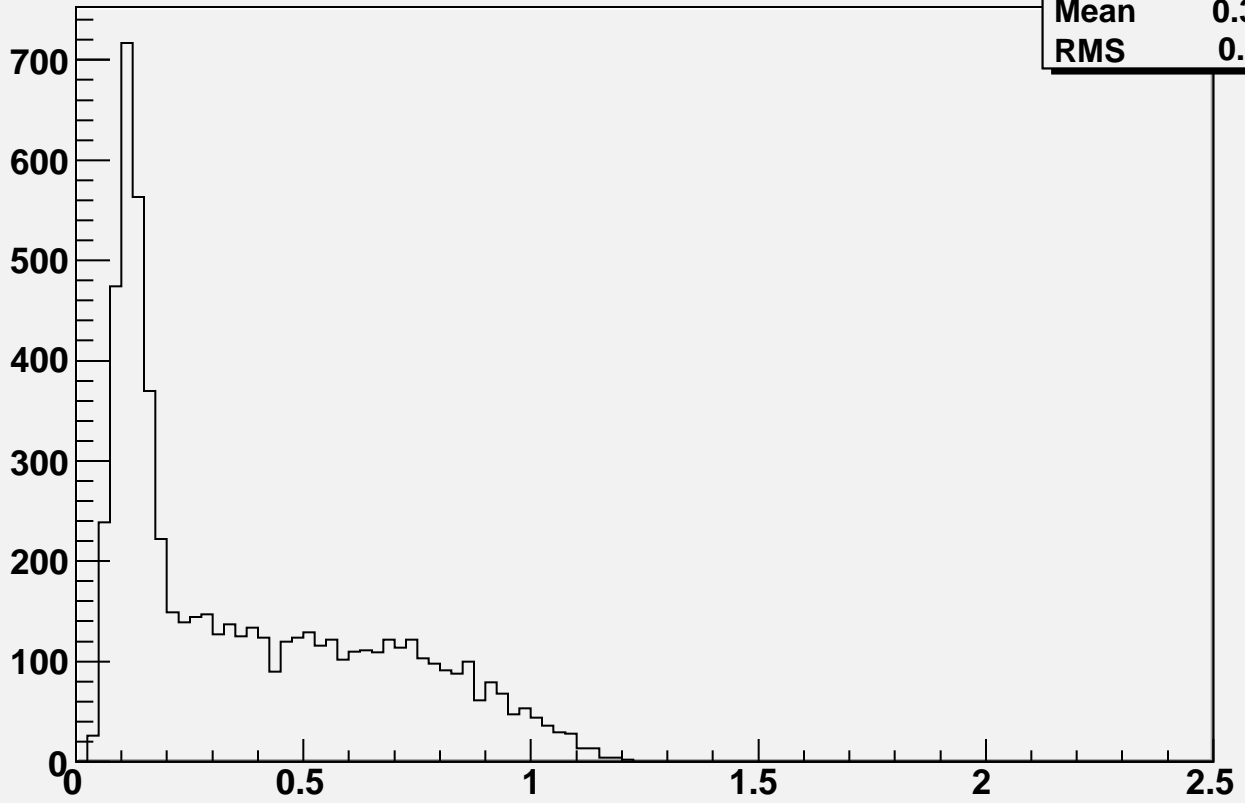


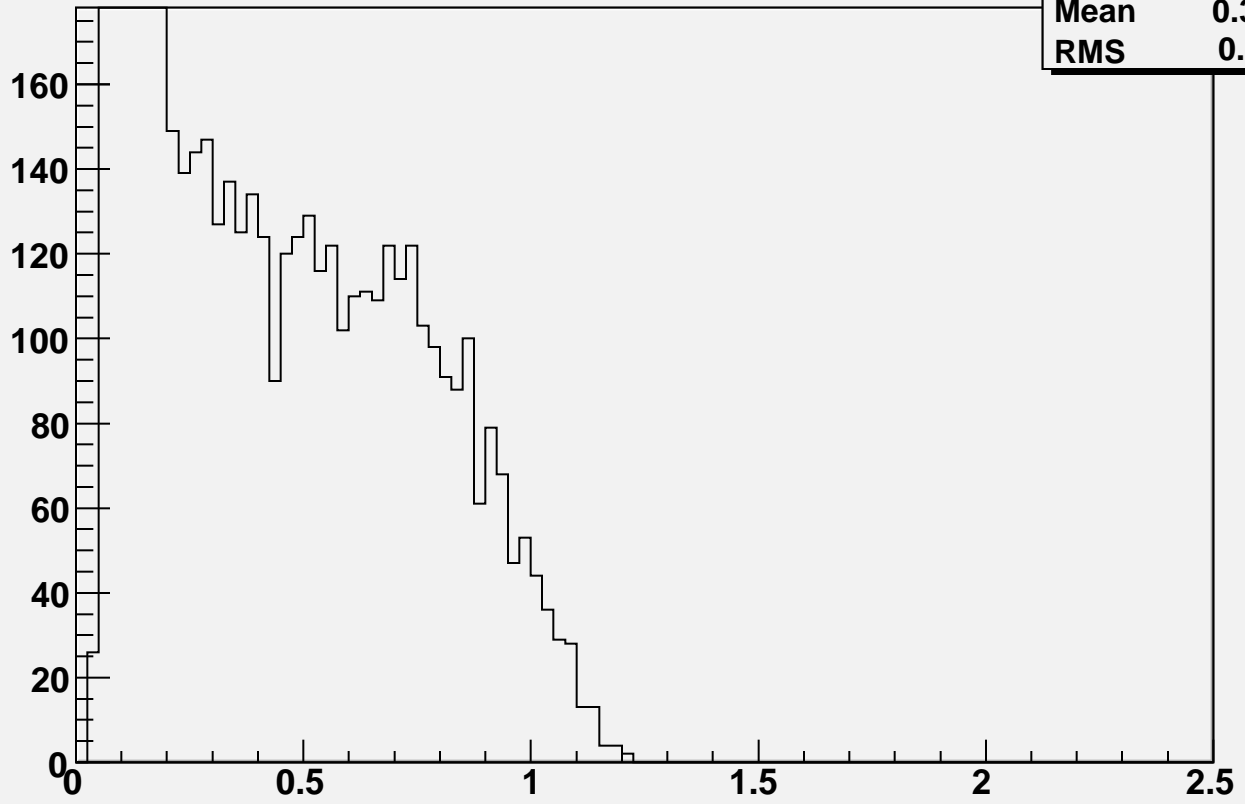
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5 \&\& \text{abs}(\text{Eta} - 3.900000) < .05$

h1	
Entries	6289
Mean	0.3872
RMS	0.2911

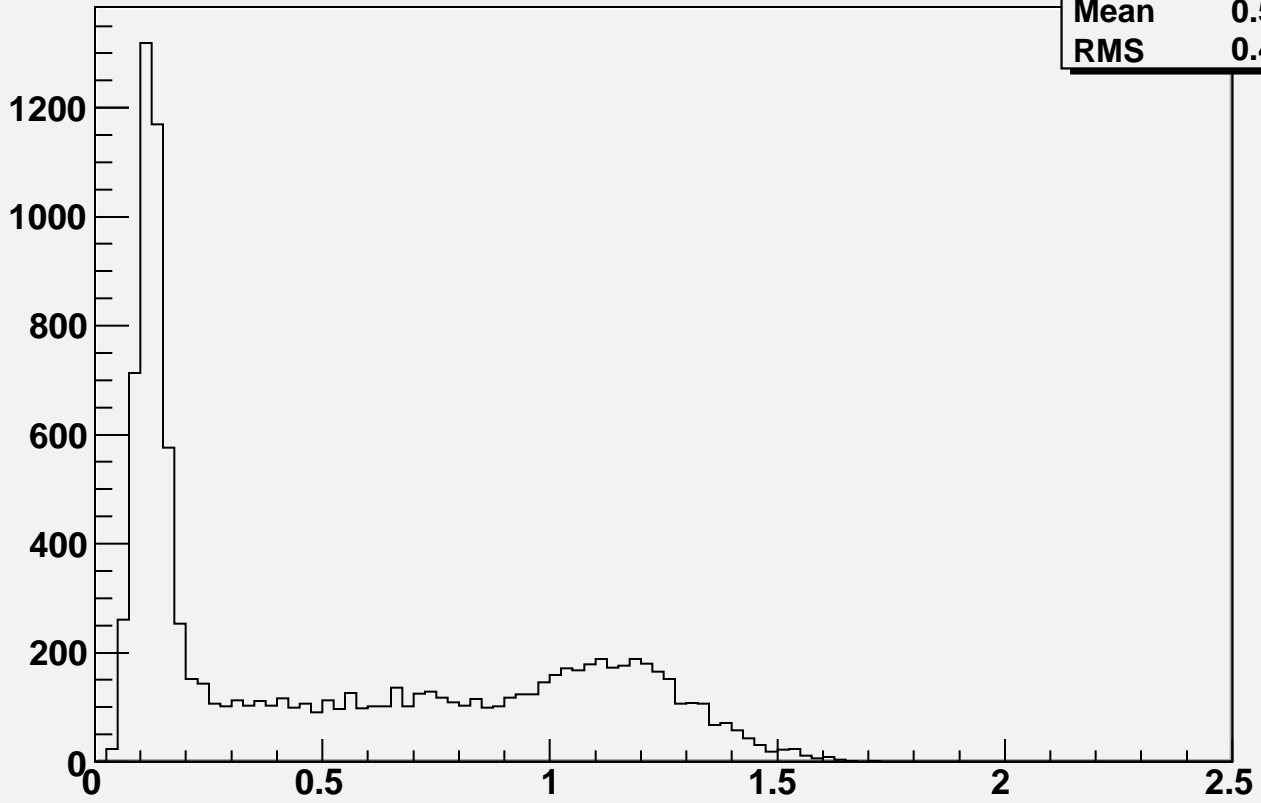


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5 \&\& \text{abs}(\text{Eta} - 3.900000) < .05$

h2	
Entries	6289
Mean	0.3872
RMS	0.2911

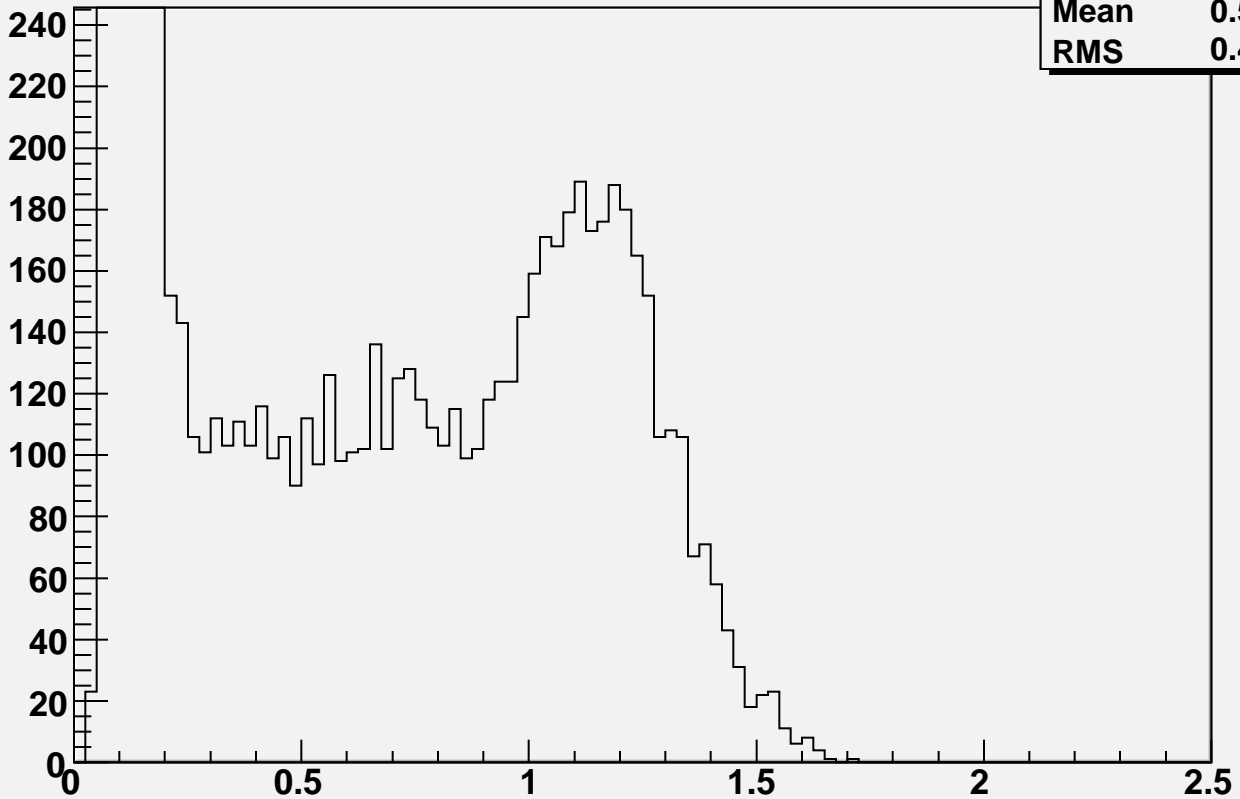


$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 30.000000) < 5 \text{ \& \& abs}(\text{Eta} - 3.900000) < .05$



h1	
Entries	10523
Mean	0.5529
RMS	0.4519

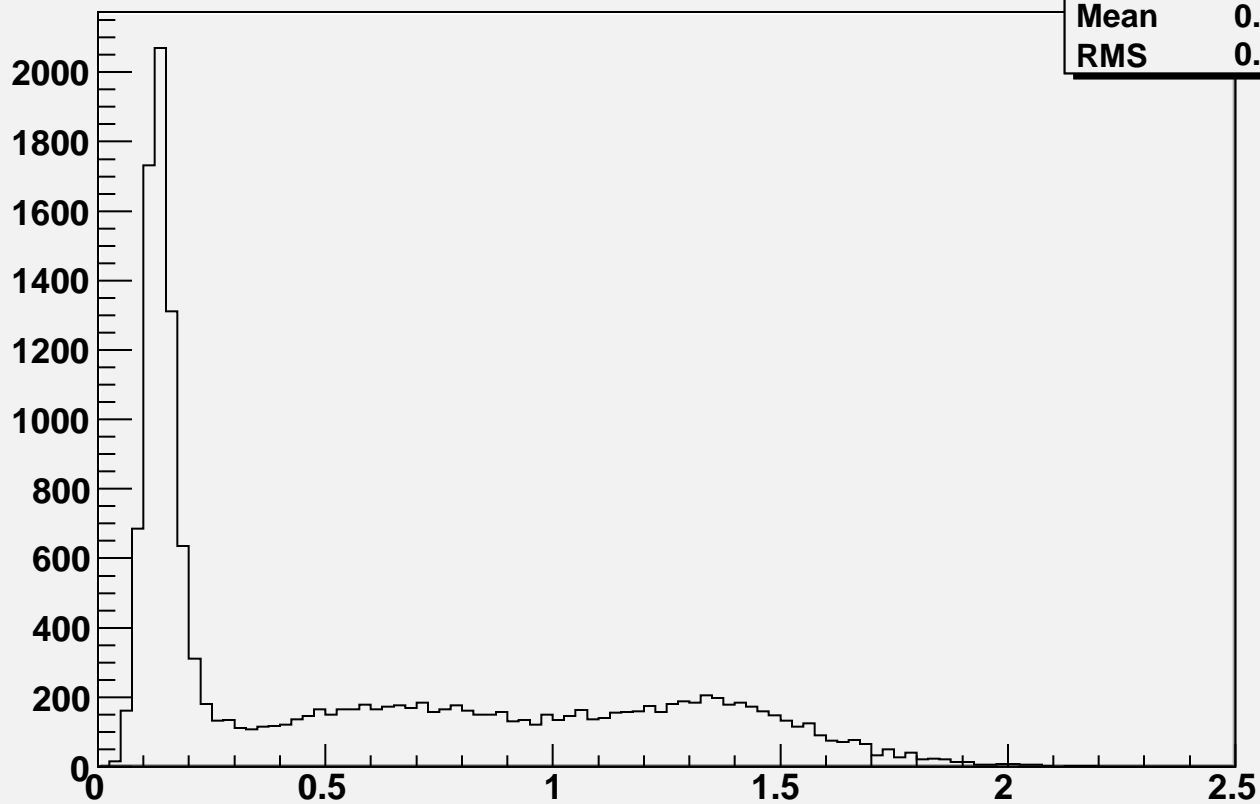
$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 30.000000) < 5 \text{ \& \& abs}(\text{Eta} - 3.900000) < .05$



h2	
Entries	10523
Mean	0.5529
RMS	0.4519

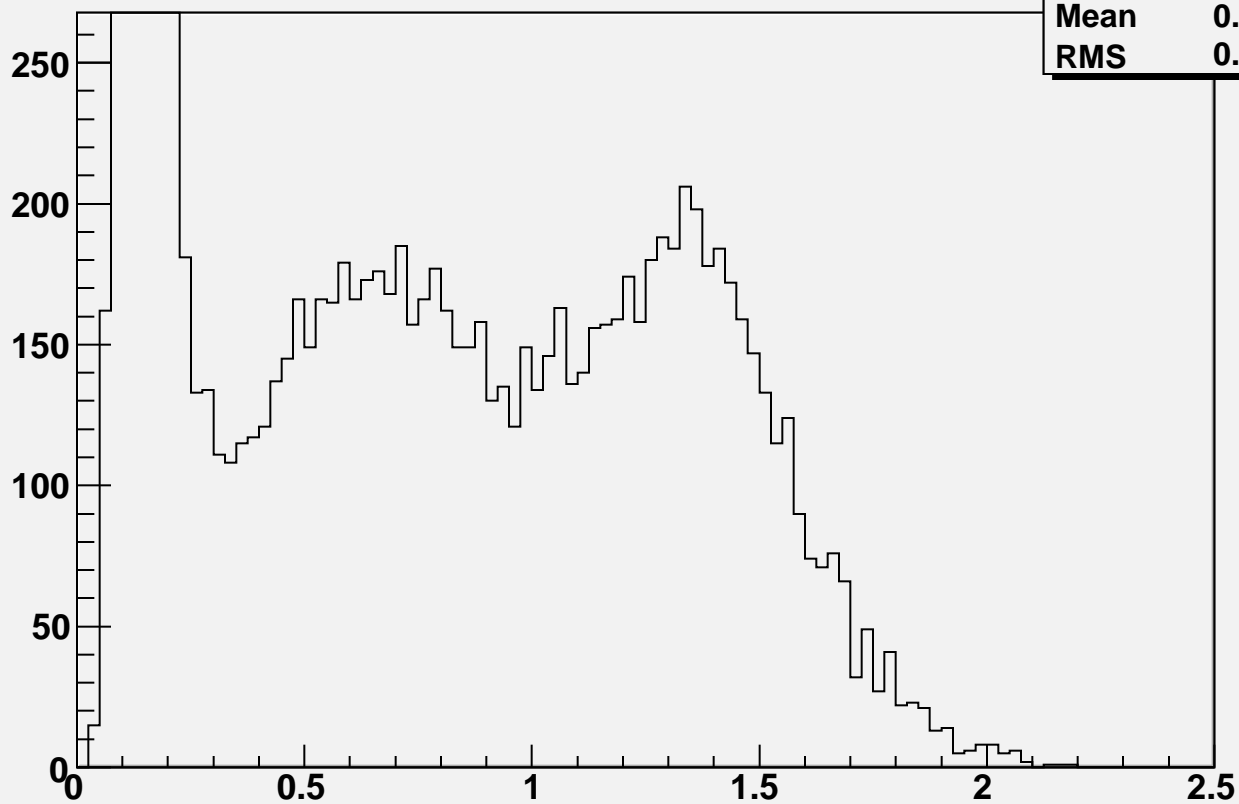
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 40.000000) < 5 \&\& \text{abs}(\text{Eta} - 3.900000) < .05$

h1	
Entries	15925
Mean	0.6106
RMS	0.5244

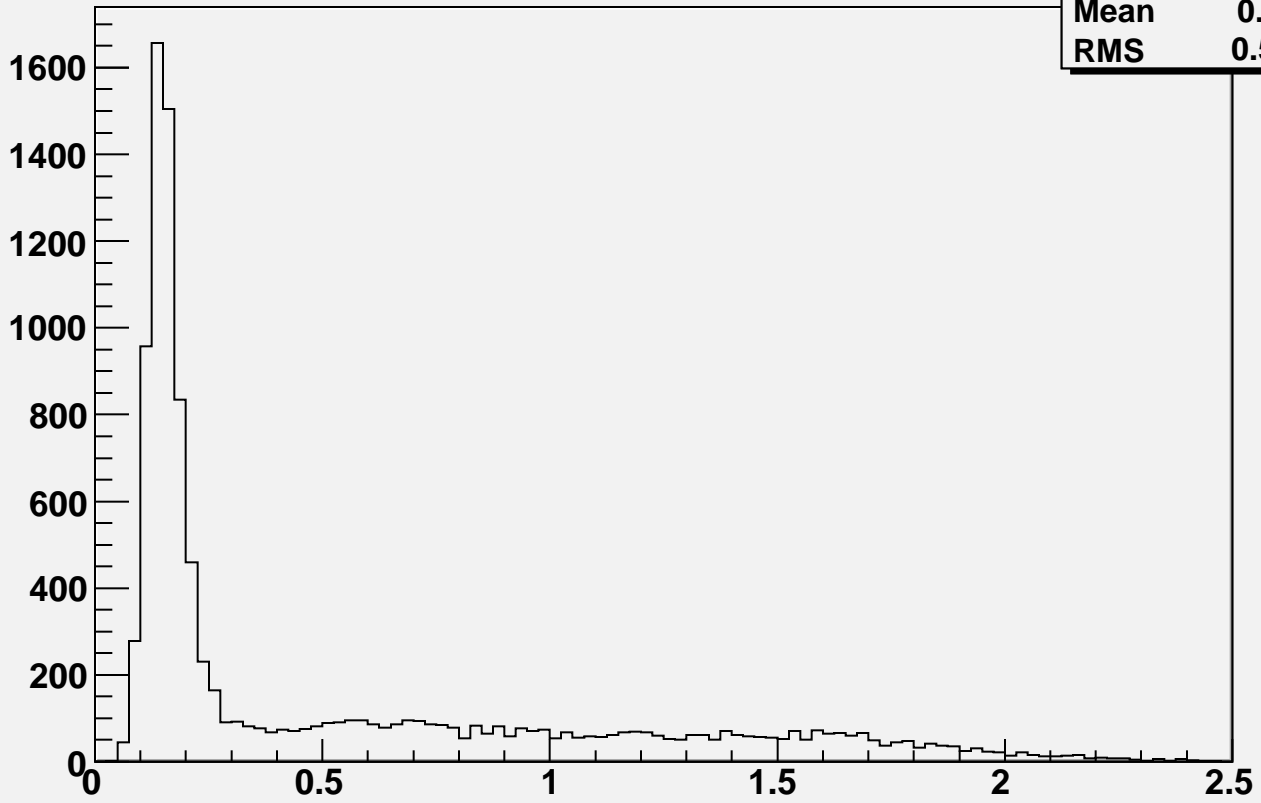


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 40.000000) < 5 \&\& \text{abs}(\text{Eta} - 3.900000) < .05$

h2	
Entries	15925
Mean	0.6106
RMS	0.5244

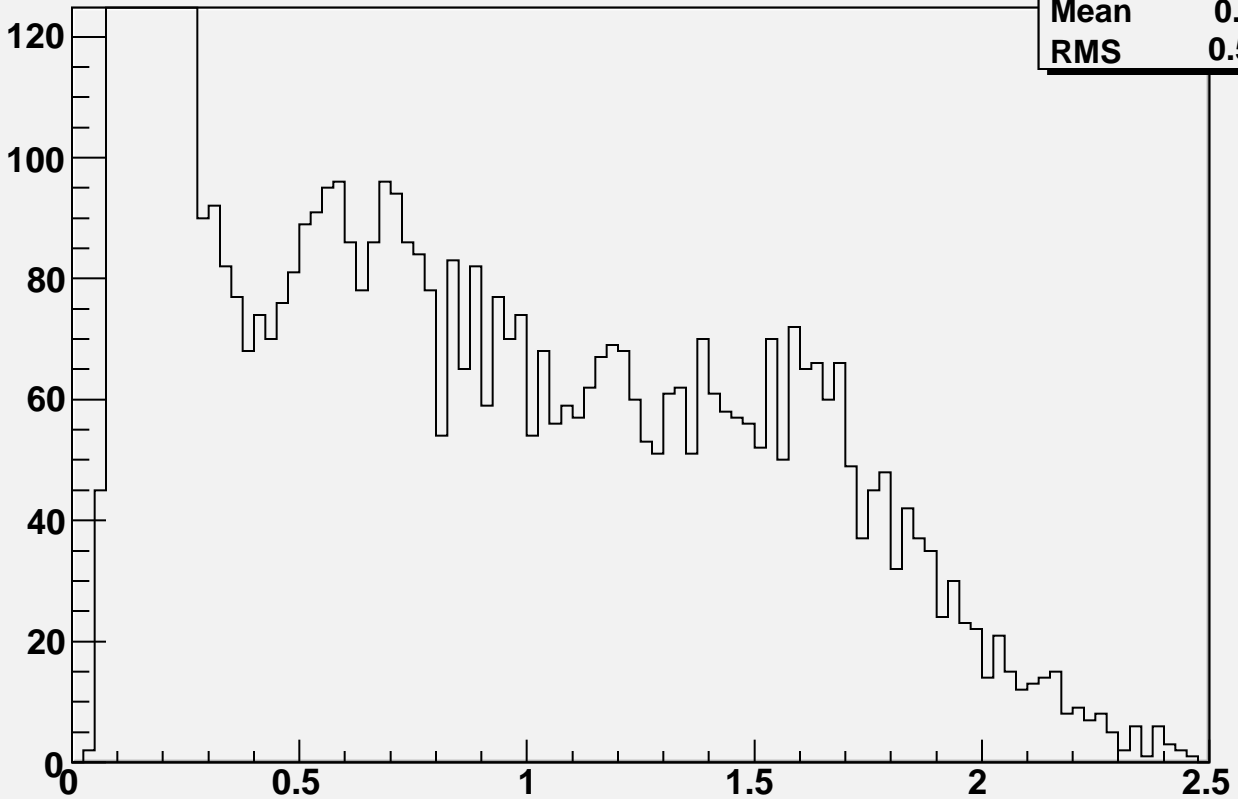


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.900000) < .05$



h1	
Entries	10759
Mean	0.5441
RMS	0.5585

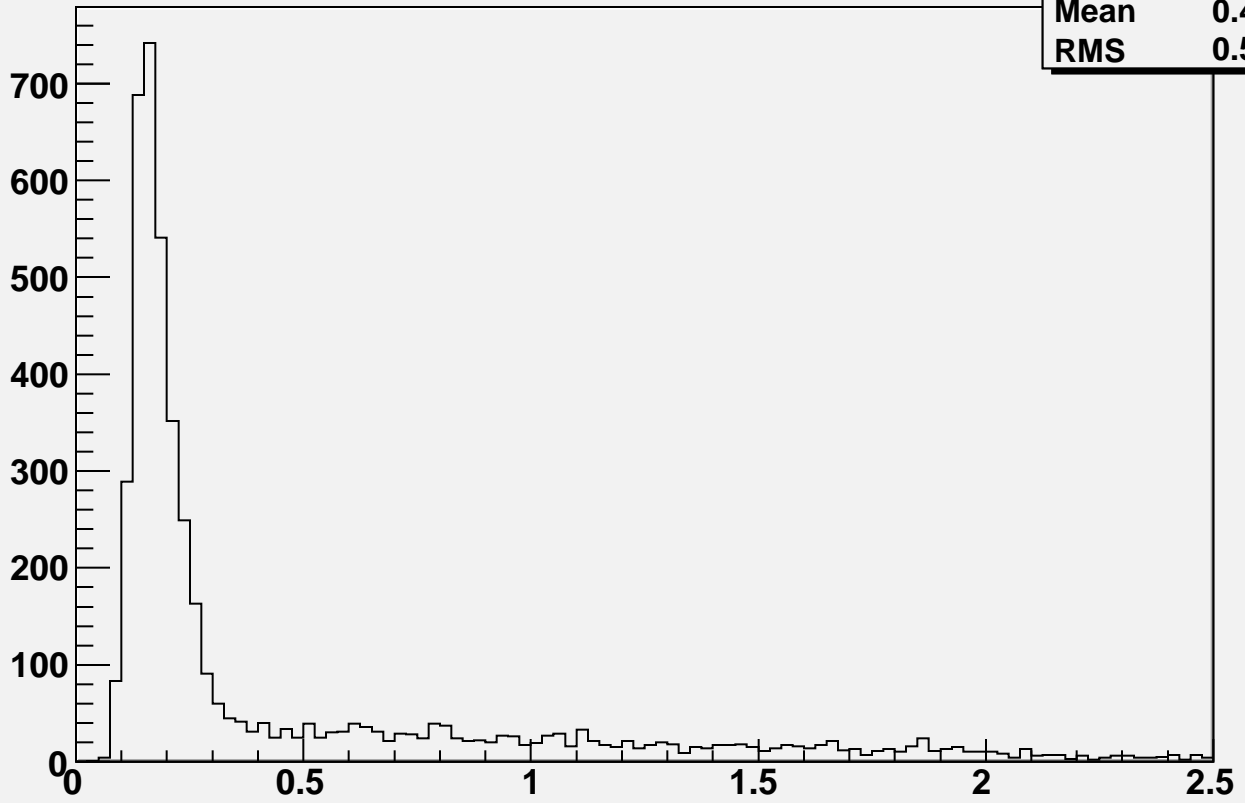
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.900000) < .05$



h2	
Entries	10759
Mean	0.5441
RMS	0.5585

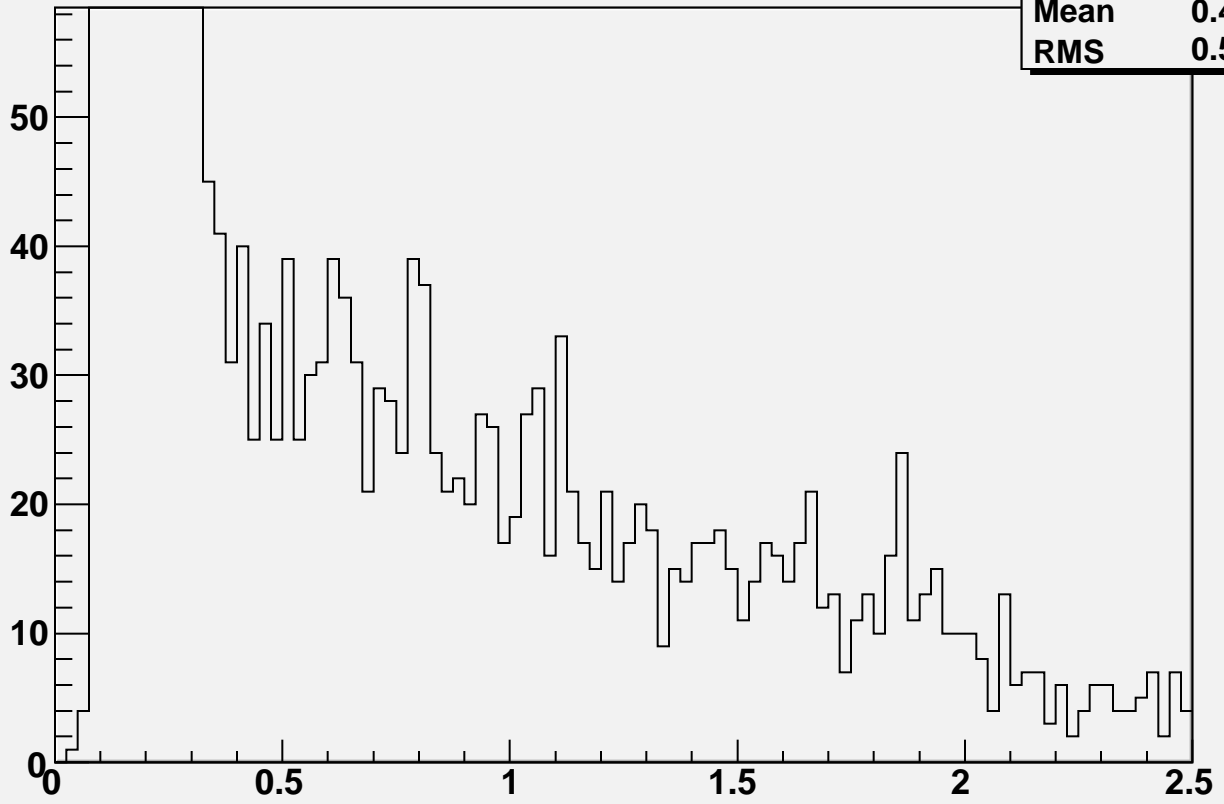
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 60.000000) < 5 \text{ \& \& } \text{abs}(\text{Eta} - 3.900000) < .05$

h1	
Entries	4861
Mean	0.4718
RMS	0.5316



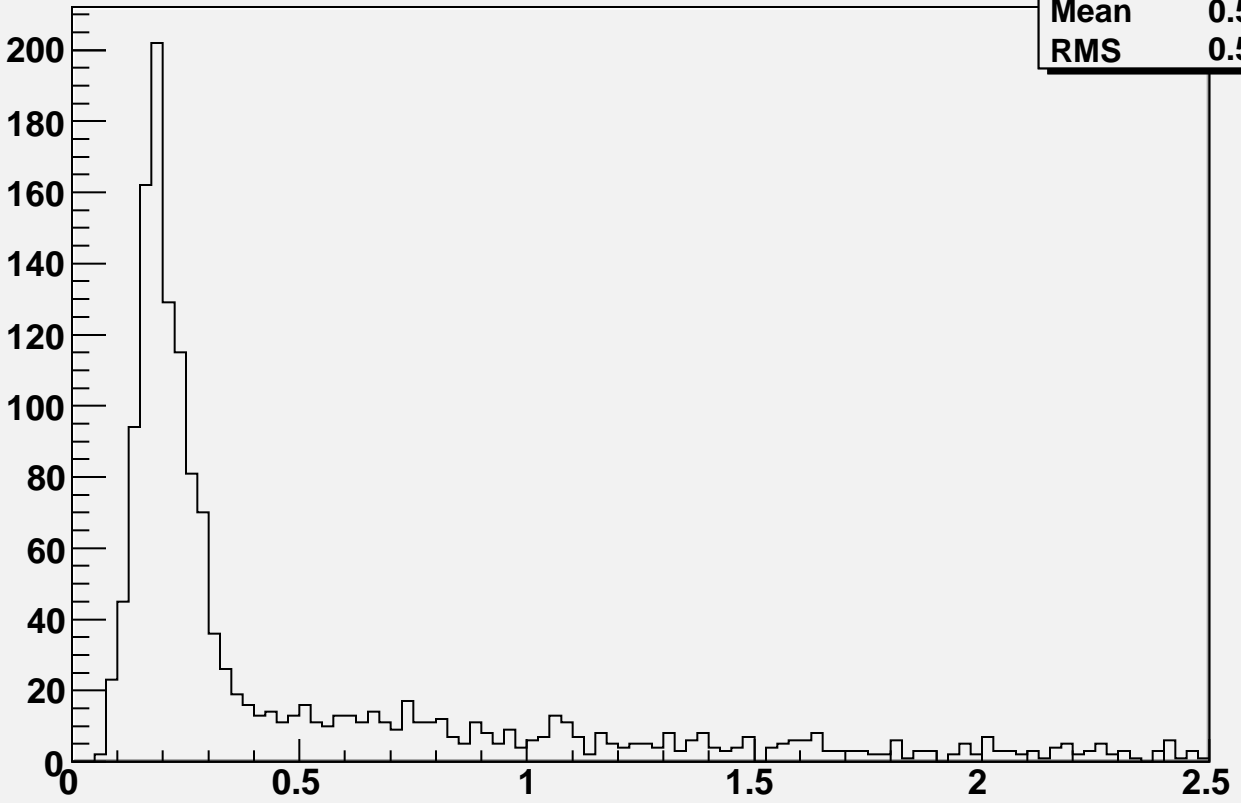
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 60.000000) < 5 \text{ \& \& } \text{abs}(\text{Eta} - 3.900000) < .05$

h2	
Entries	4861
Mean	0.4718
RMS	0.5316



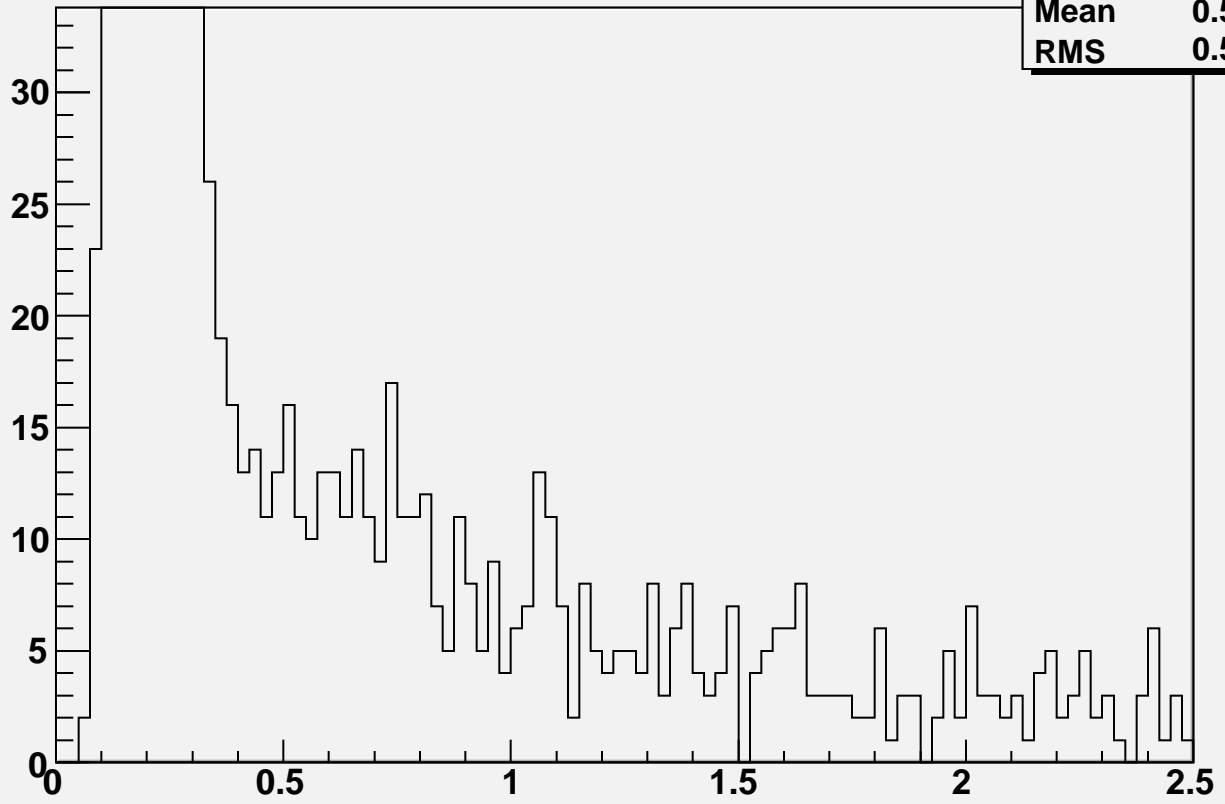
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 70.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.900000) < .05$

h1	
Entries	1547
Mean	0.5098
RMS	0.5398



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

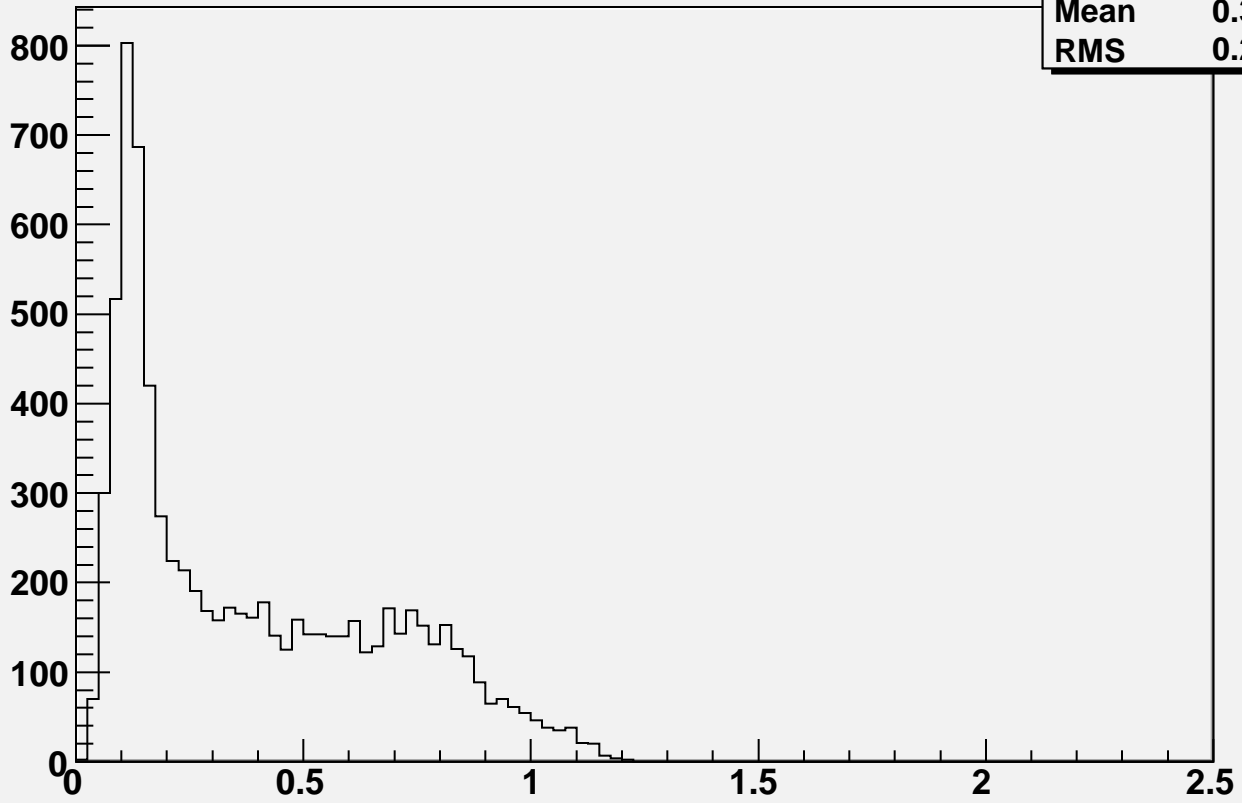
h2	
Entries	1547
Mean	0.5098
RMS	0.5398



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

h1

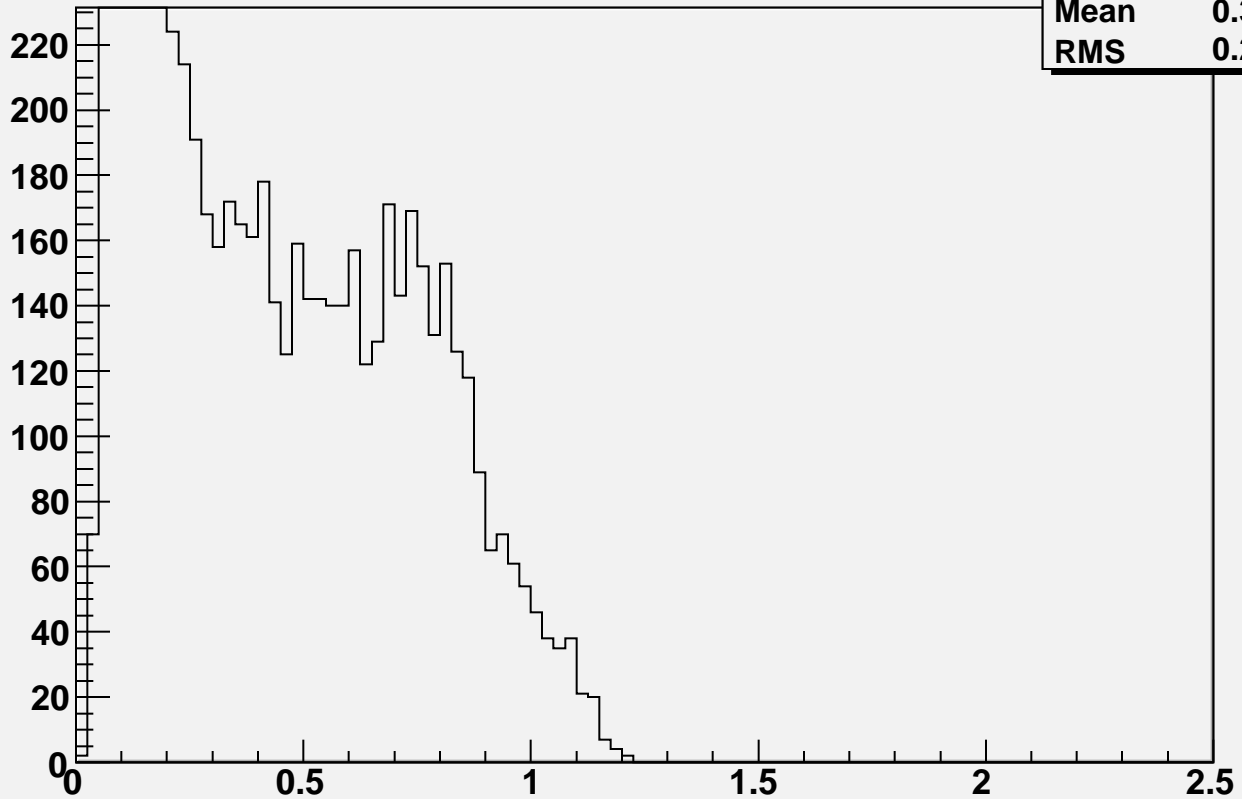
Entries	7814
Mean	0.3935
RMS	0.2899



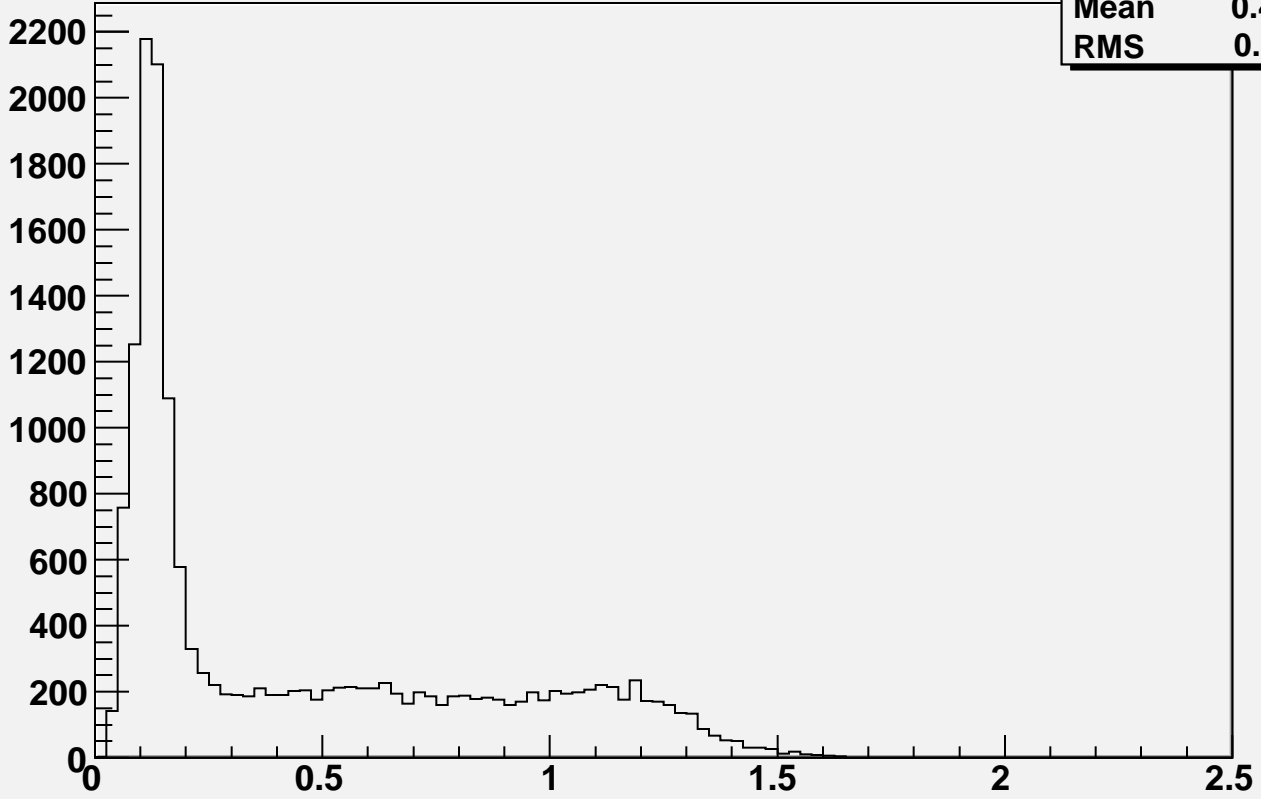
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.800000) < .05$

h2

Entries	7814
Mean	0.3935
RMS	0.2899

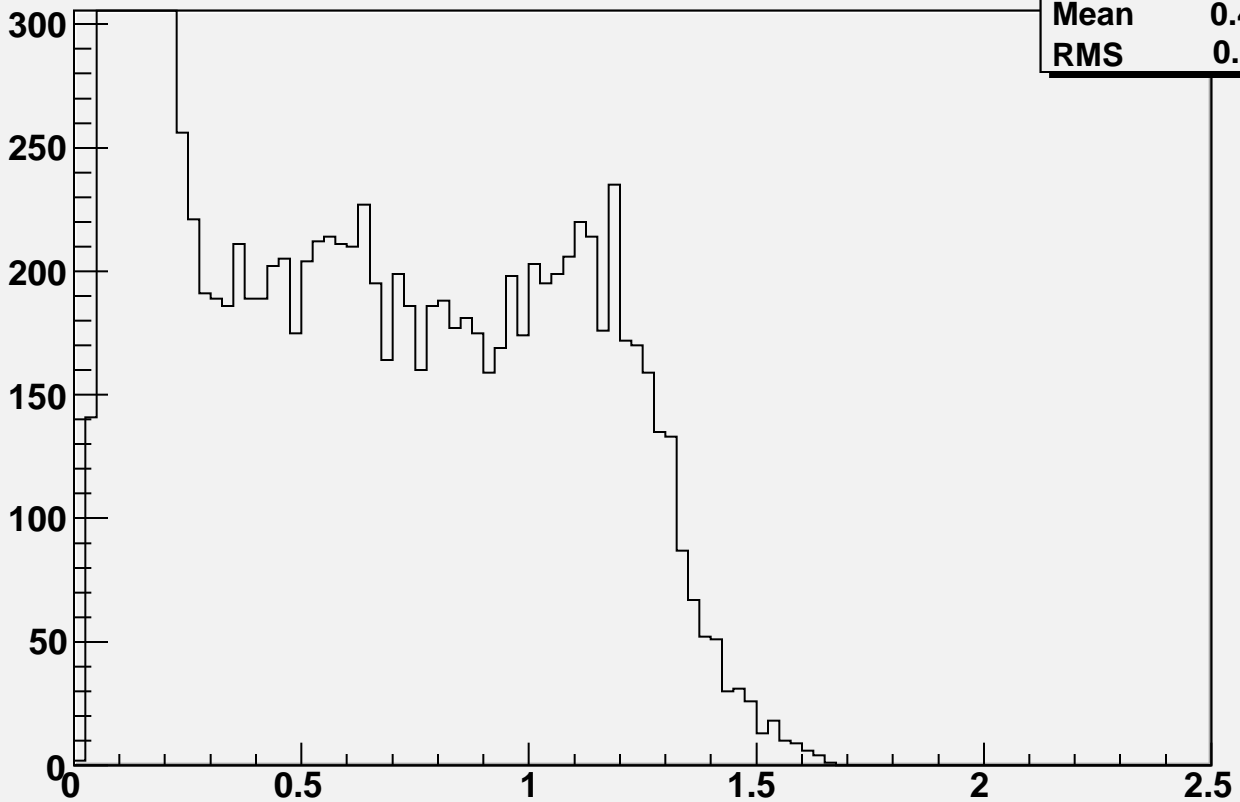


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 30.000000) < 5 \&\& \text{abs}(\text{Eta} - 3.800000) < .05$



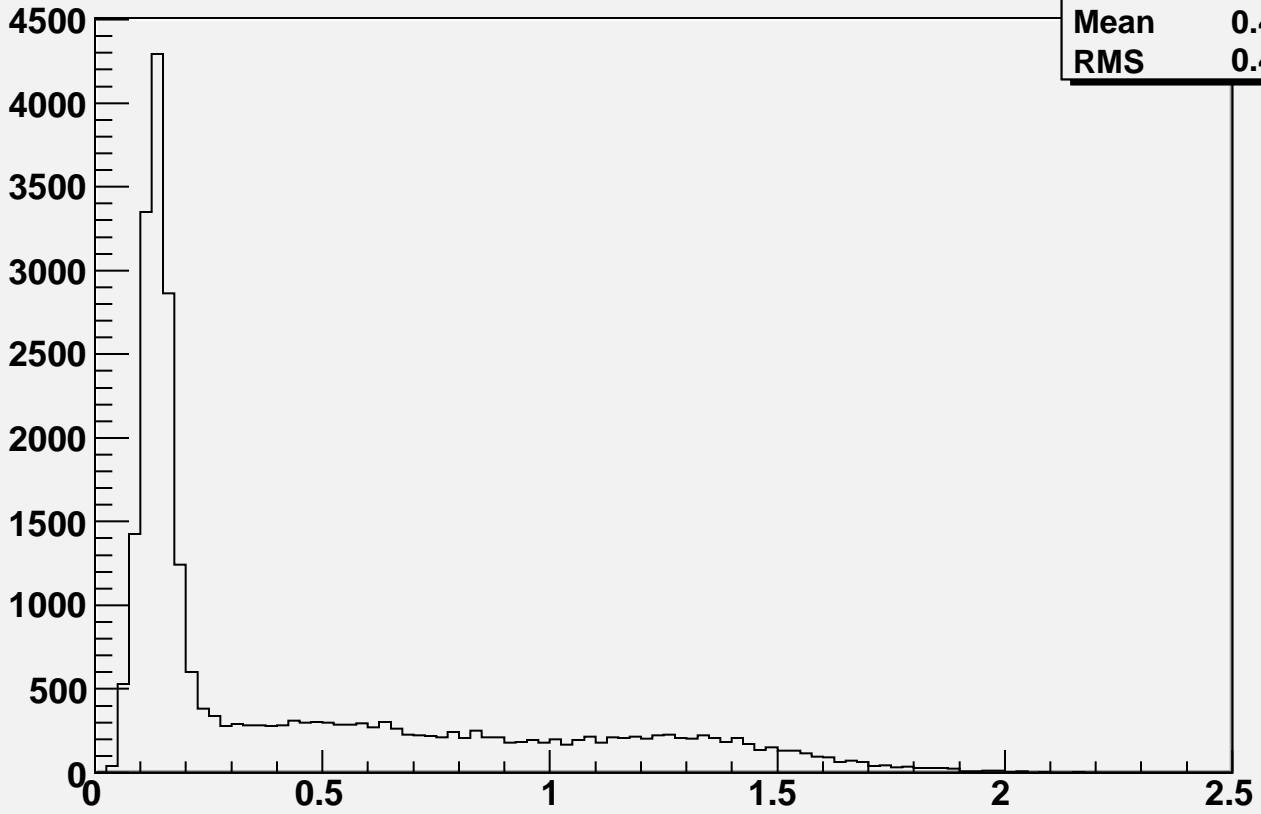
h1	
Entries	17258
Mean	0.4639
RMS	0.4117

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



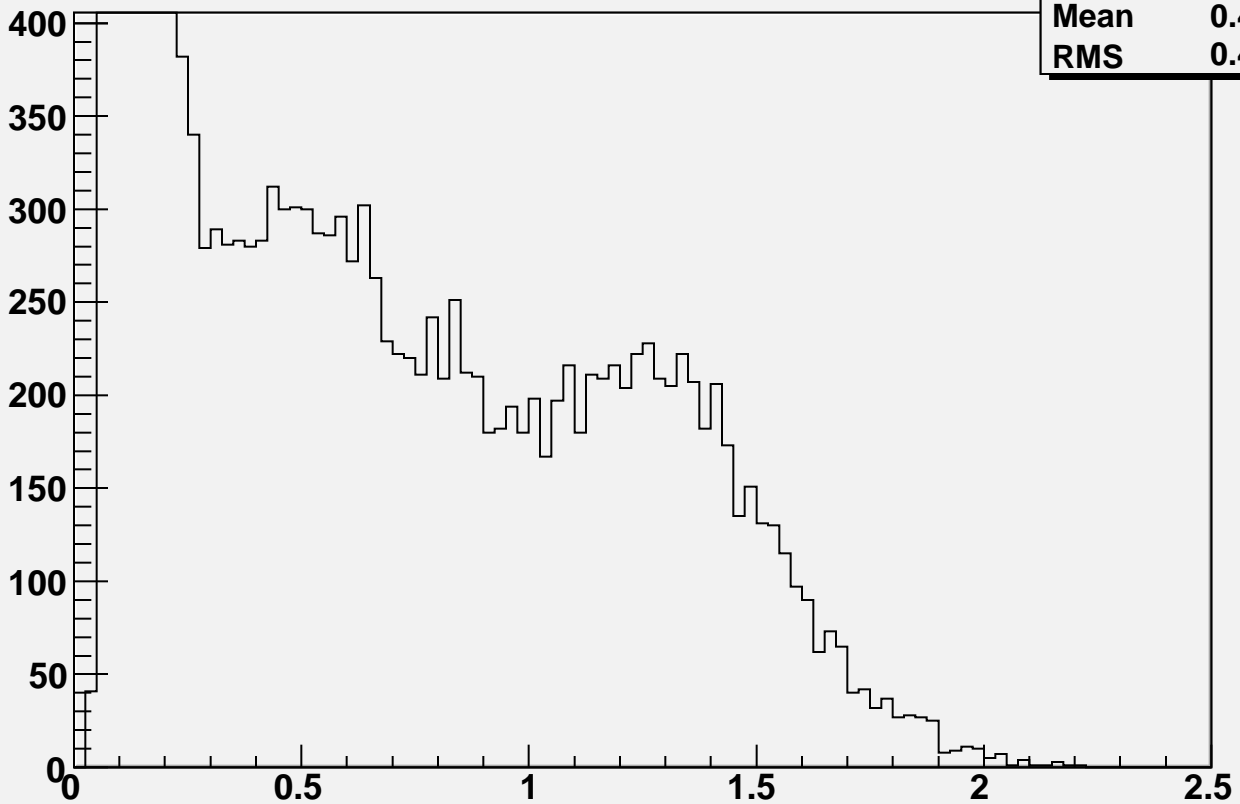
h2	
Entries	17258
Mean	0.4639
RMS	0.4117

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



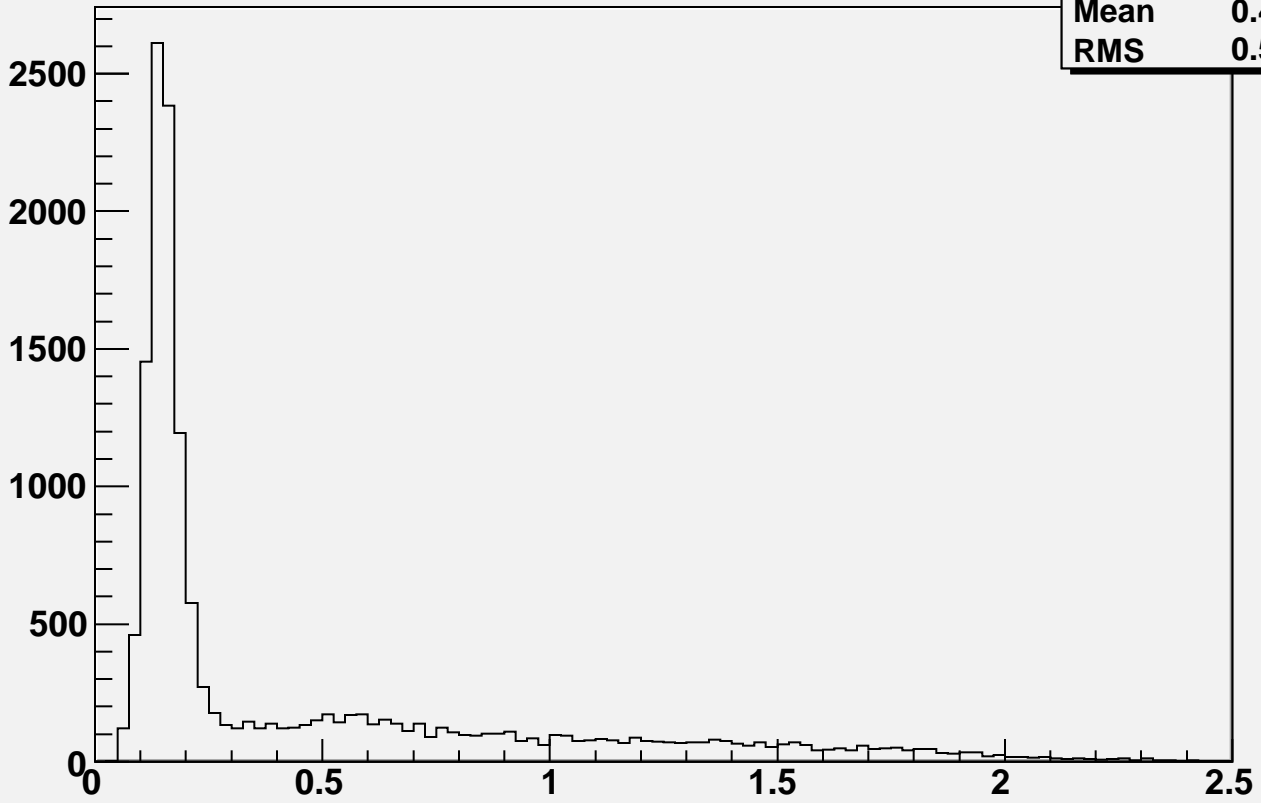
h1	
Entries	27453
Mean	0.4843
RMS	0.4702

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



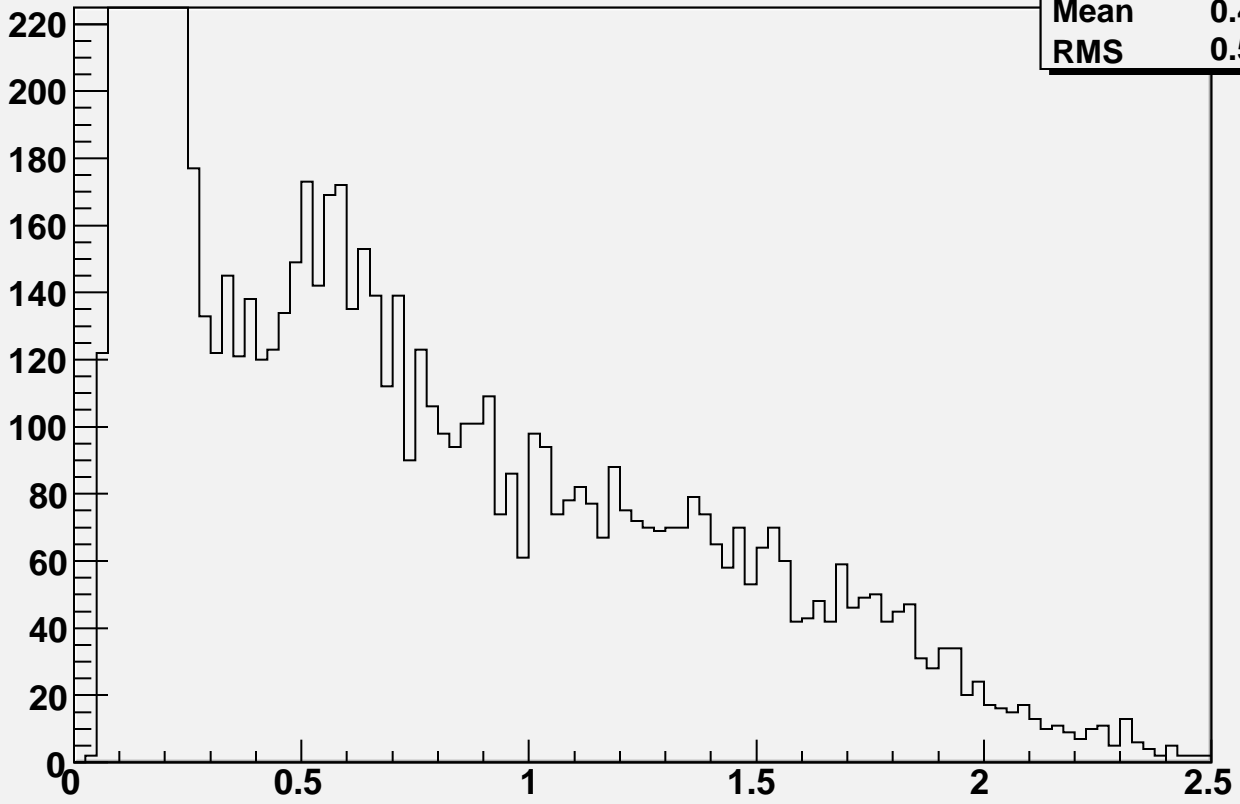
h2	
Entries	27453
Mean	0.4843
RMS	0.4702

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



h1	
Entries	15357
Mean	0.4754
RMS	0.5064

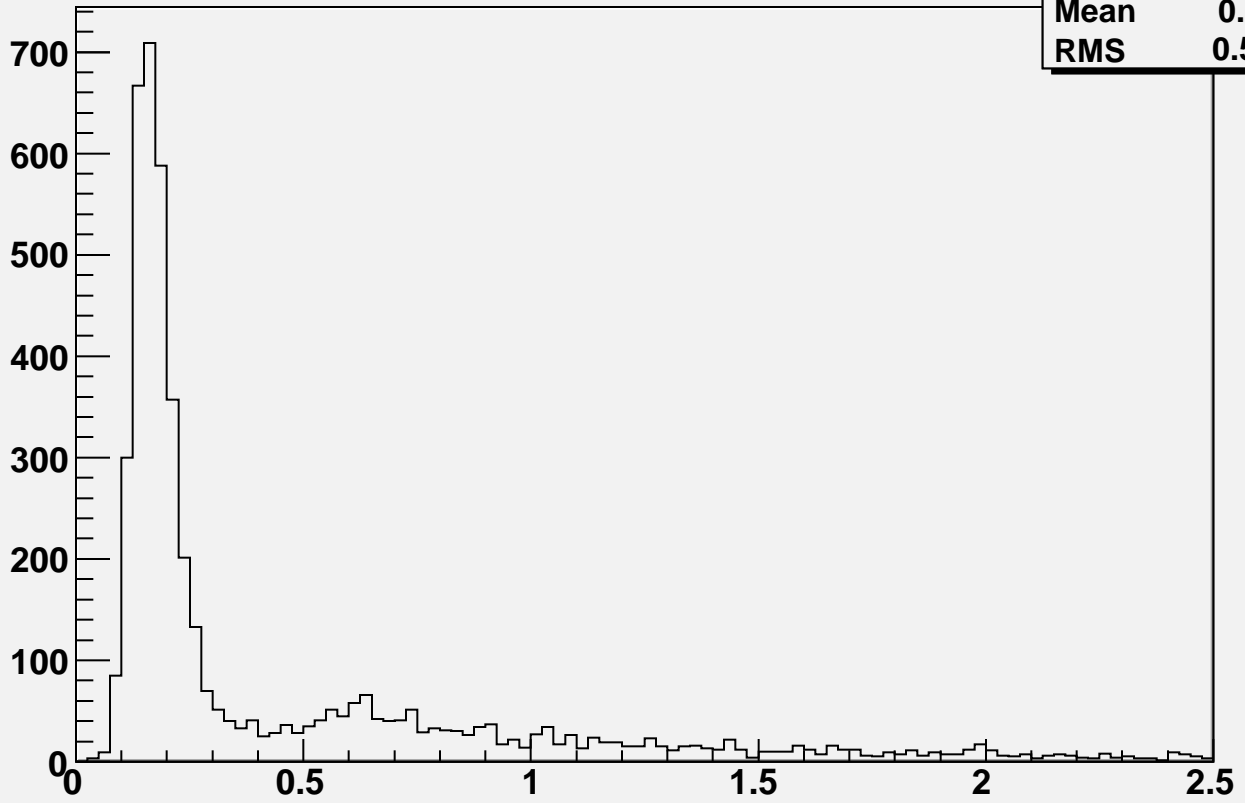
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.800000) < .05$



h2	
Entries	15357
Mean	0.4754
RMS	0.5064

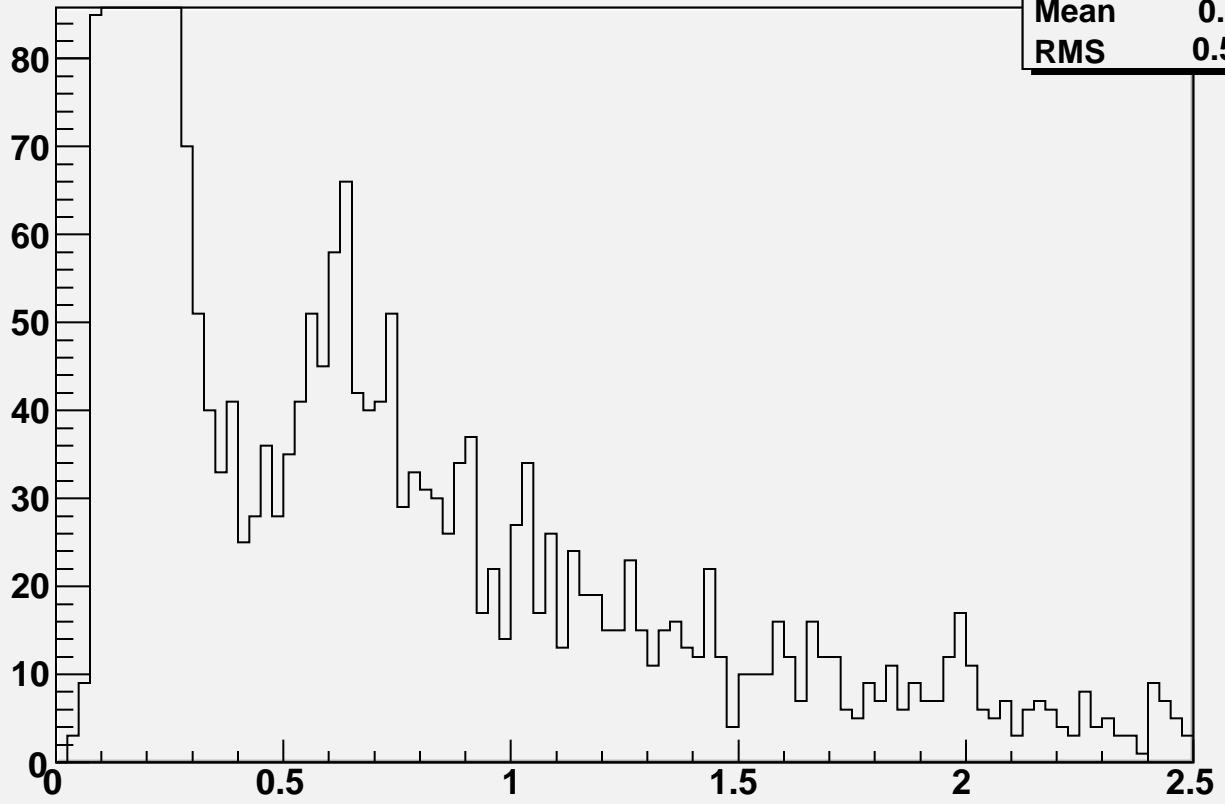
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 60.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.800000) < .05$

h1	
Entries	4844
Mean	0.4561
RMS	0.5006



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

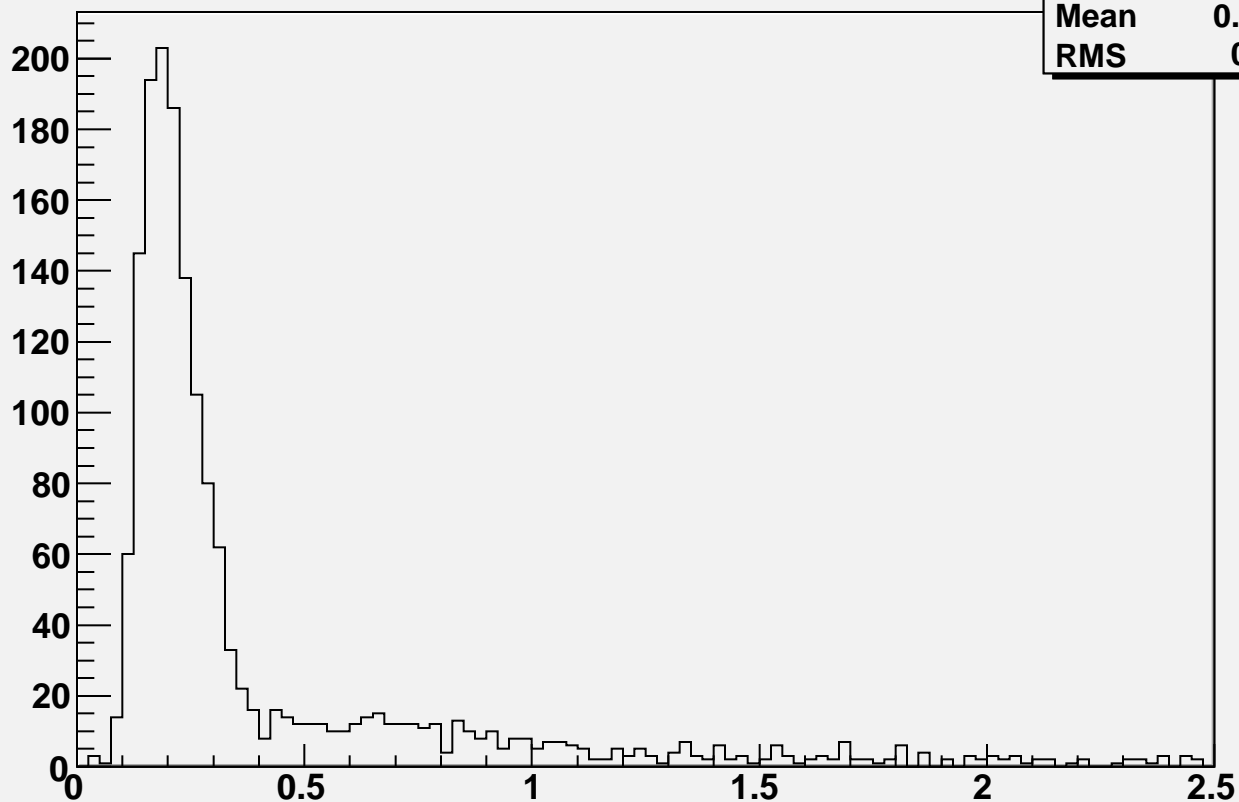
h2	
Entries	4844
Mean	0.4561
RMS	0.5006



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

h1

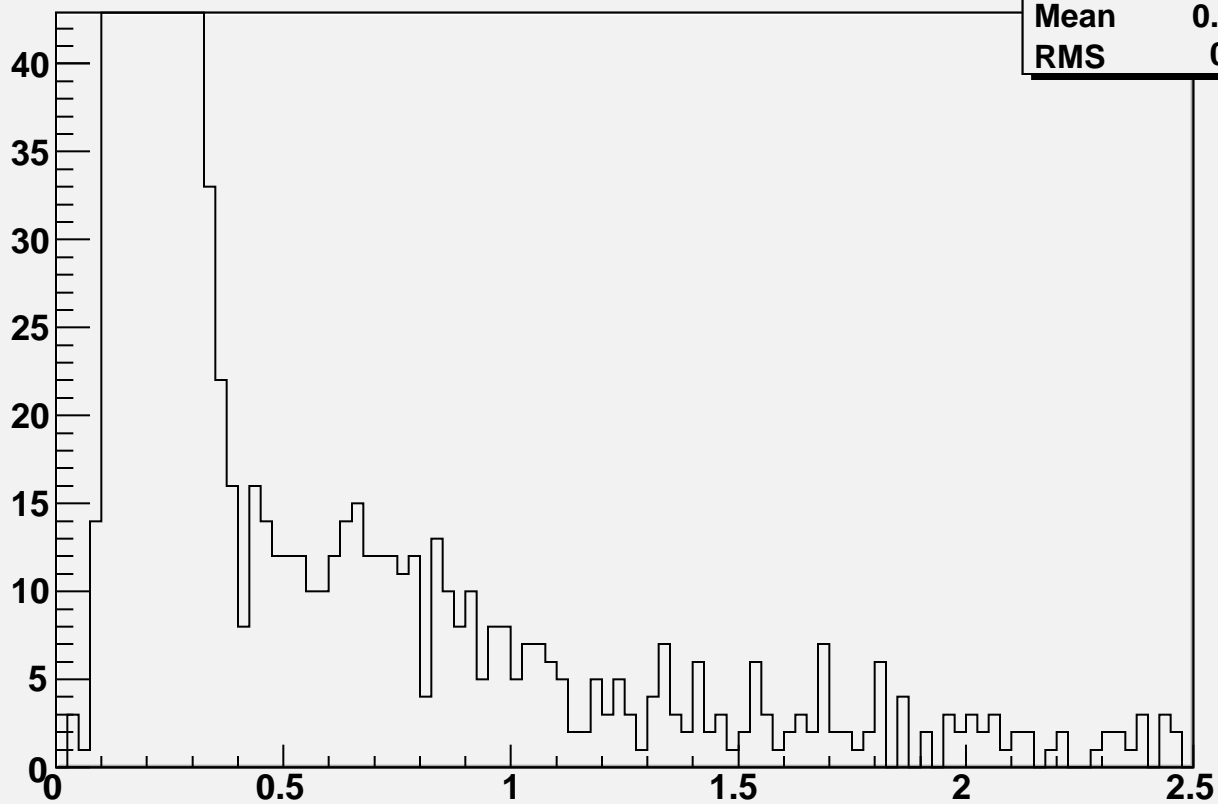
Entries	1703
Mean	0.4105
RMS	0.437



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

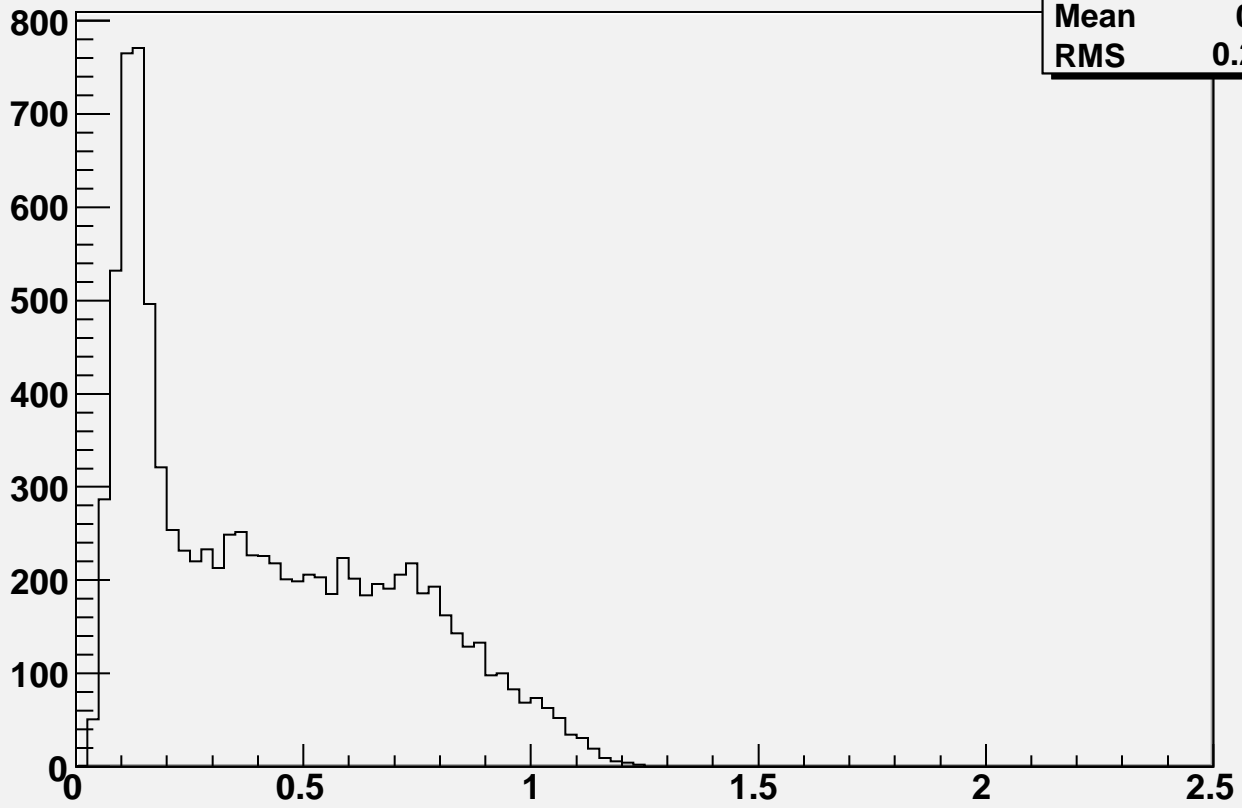
h2

Entries	1703
Mean	0.4105
RMS	0.437



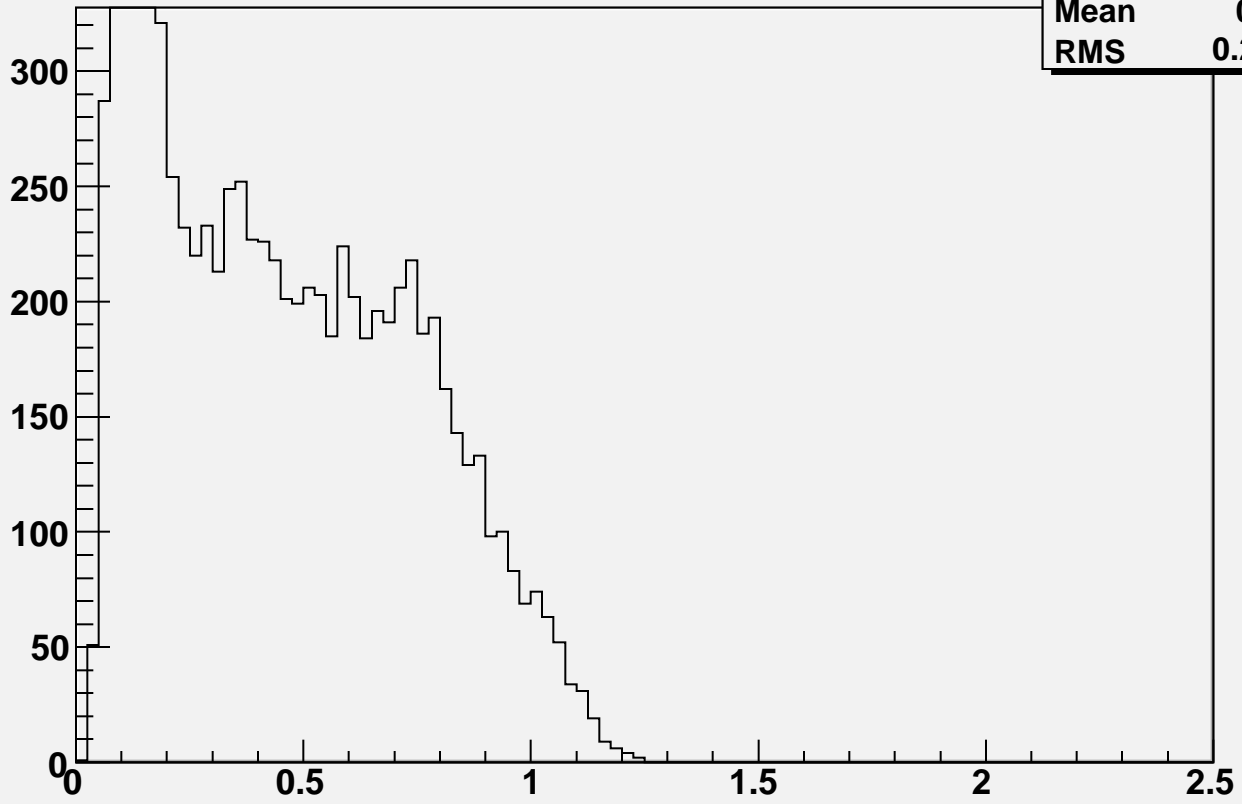
$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 20.000000) < 5. \text{ \& \&abs}(\text{Eta} - 3.700000) < .05$

h1	
Entries	9553
Mean	0.421
RMS	0.2875



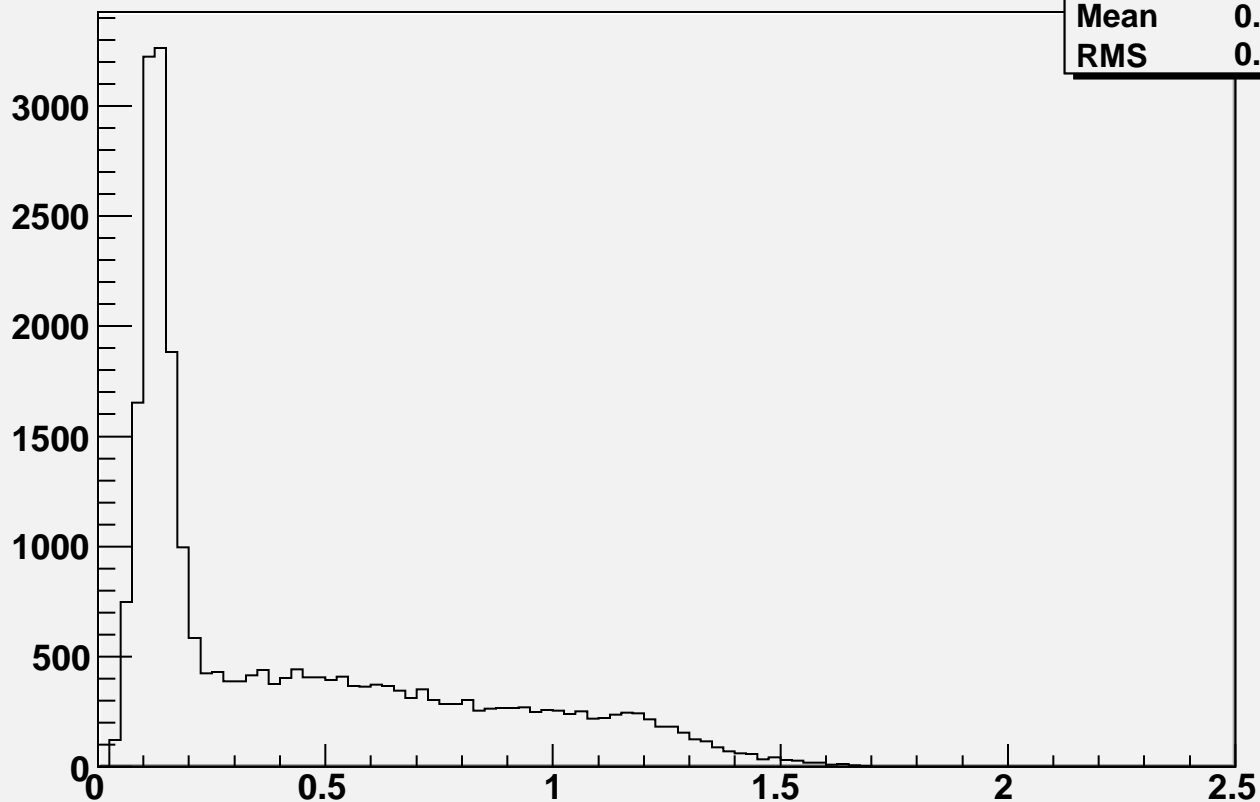
$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 20.000000) < 5. \text{ \& \&abs}(\text{Eta} - 3.700000) < .05$

h2	
Entries	9553
Mean	0.421
RMS	0.2875



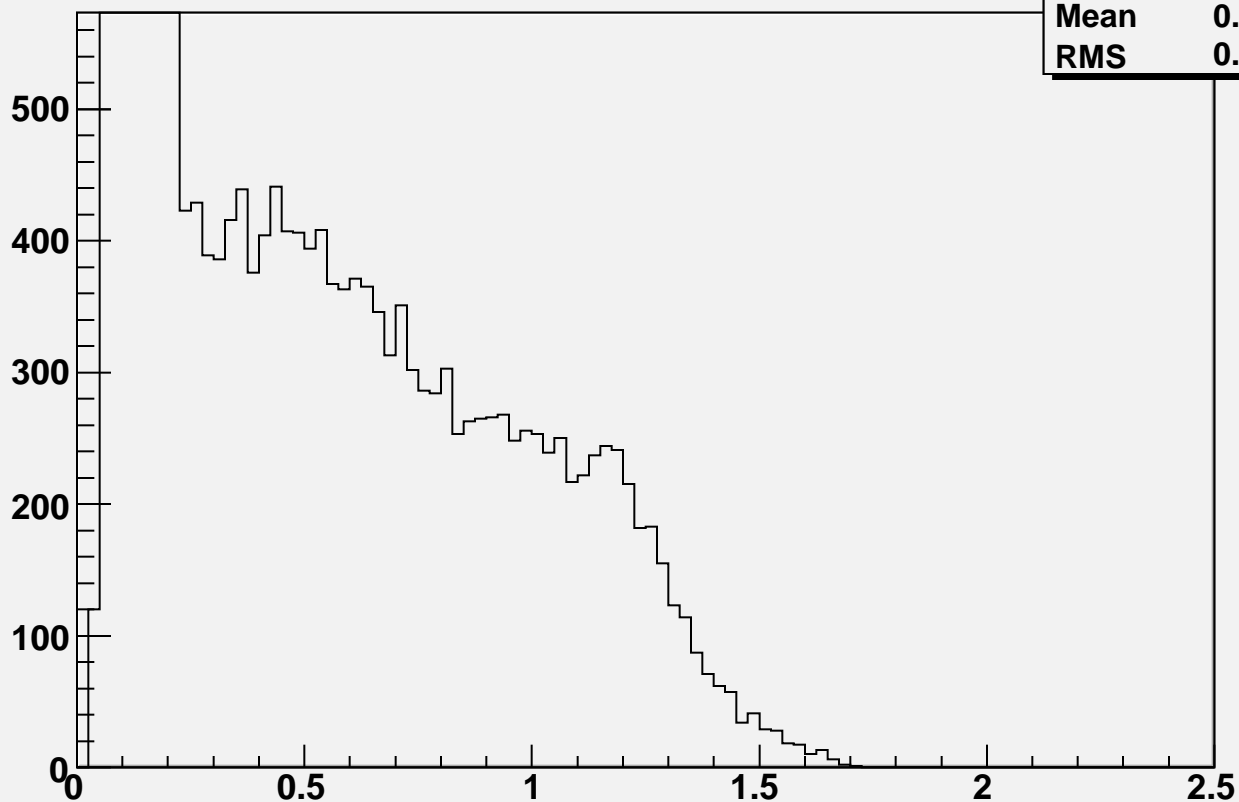
$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12} - 30.000000)| < 5$ & $|\ln(\eta - 3.700000)| < 0.05$

h1	
Entries	26614
Mean	0.4449
RMS	0.3833



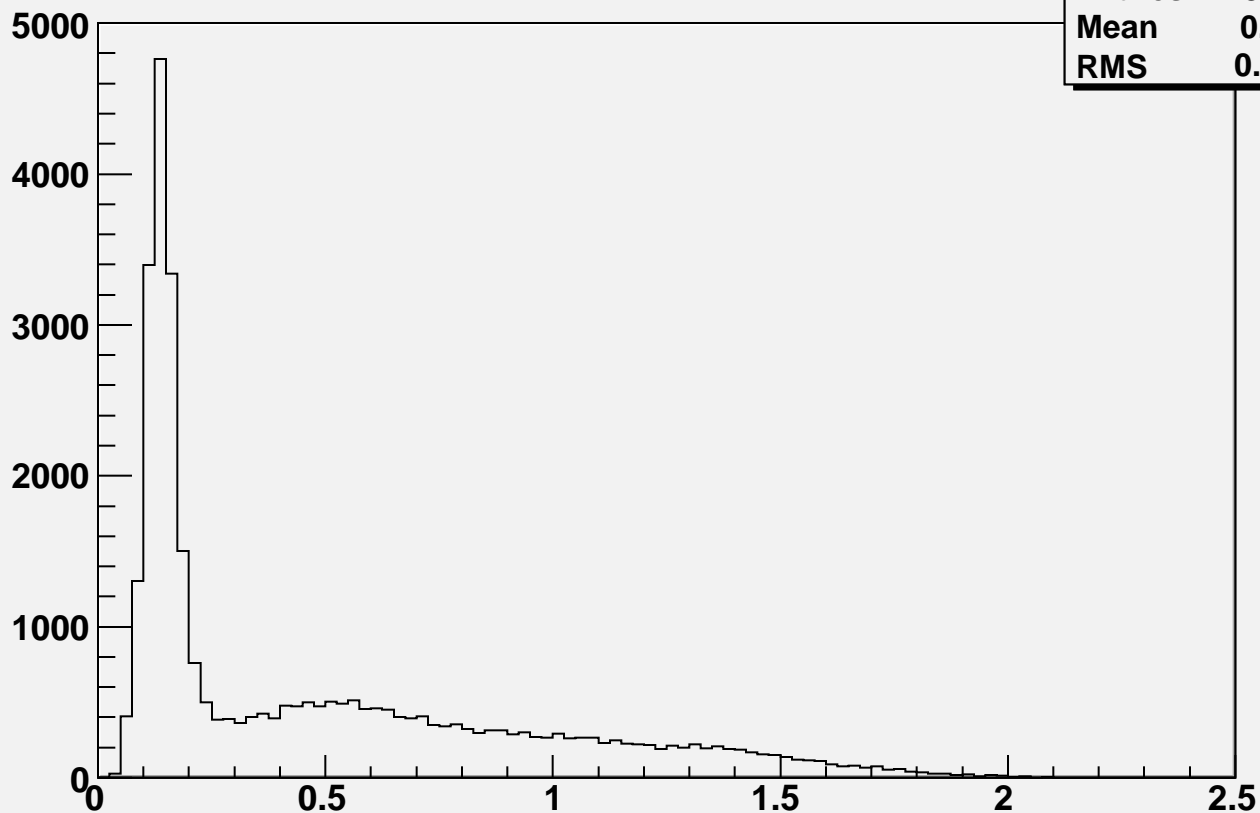
$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12} - 30.000000)| < 5$ & $|\ln(\eta - 3.700000)| < 0.05$

h2	
Entries	26614
Mean	0.4449
RMS	0.3833



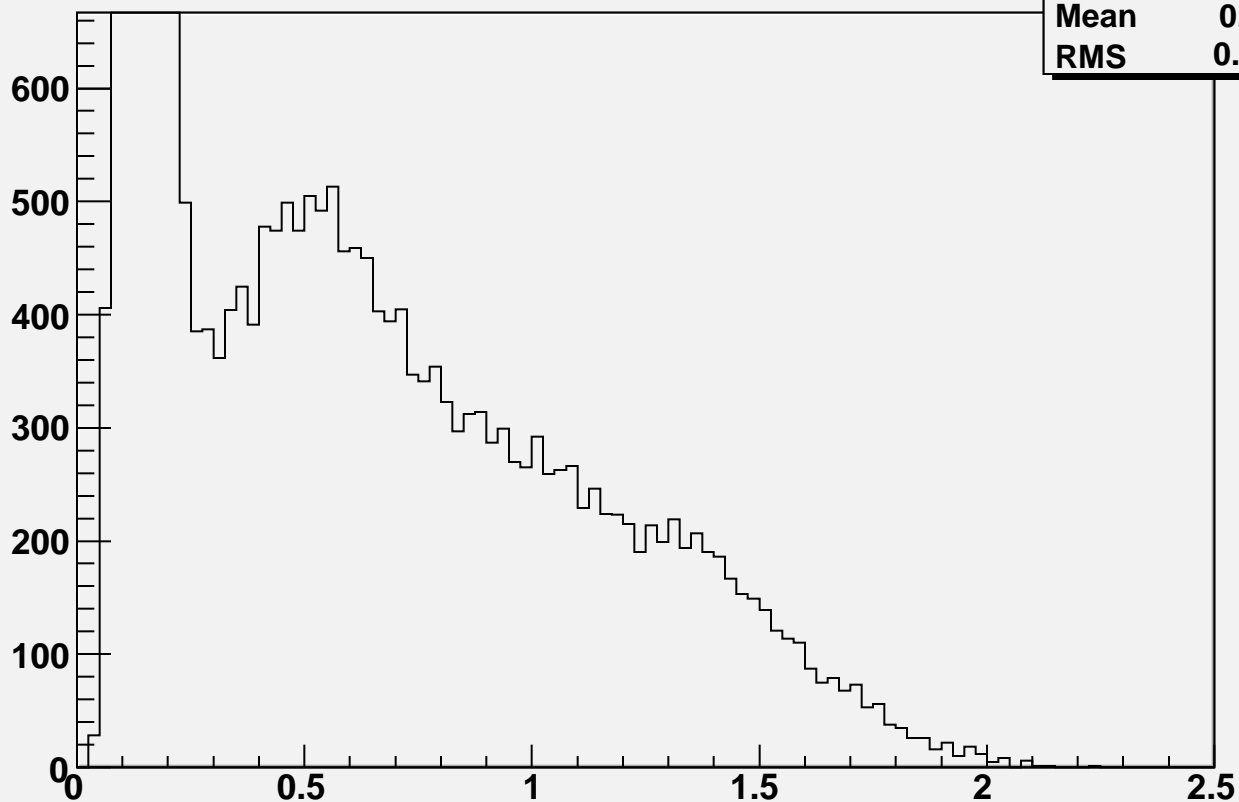
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.700000) < .05$

h1	
Entries	33252
Mean	0.4981
RMS	0.4475

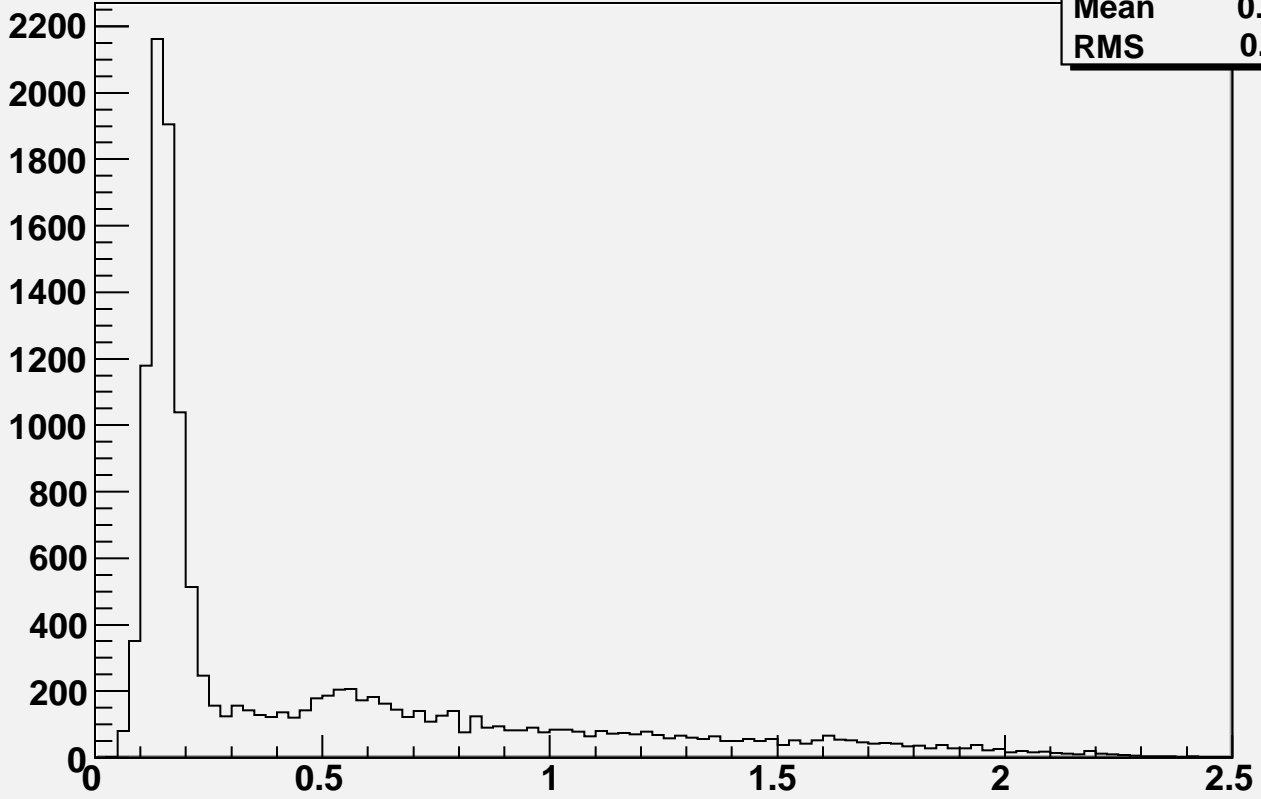


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.700000) < .05$

h2	
Entries	33252
Mean	0.4981
RMS	0.4475

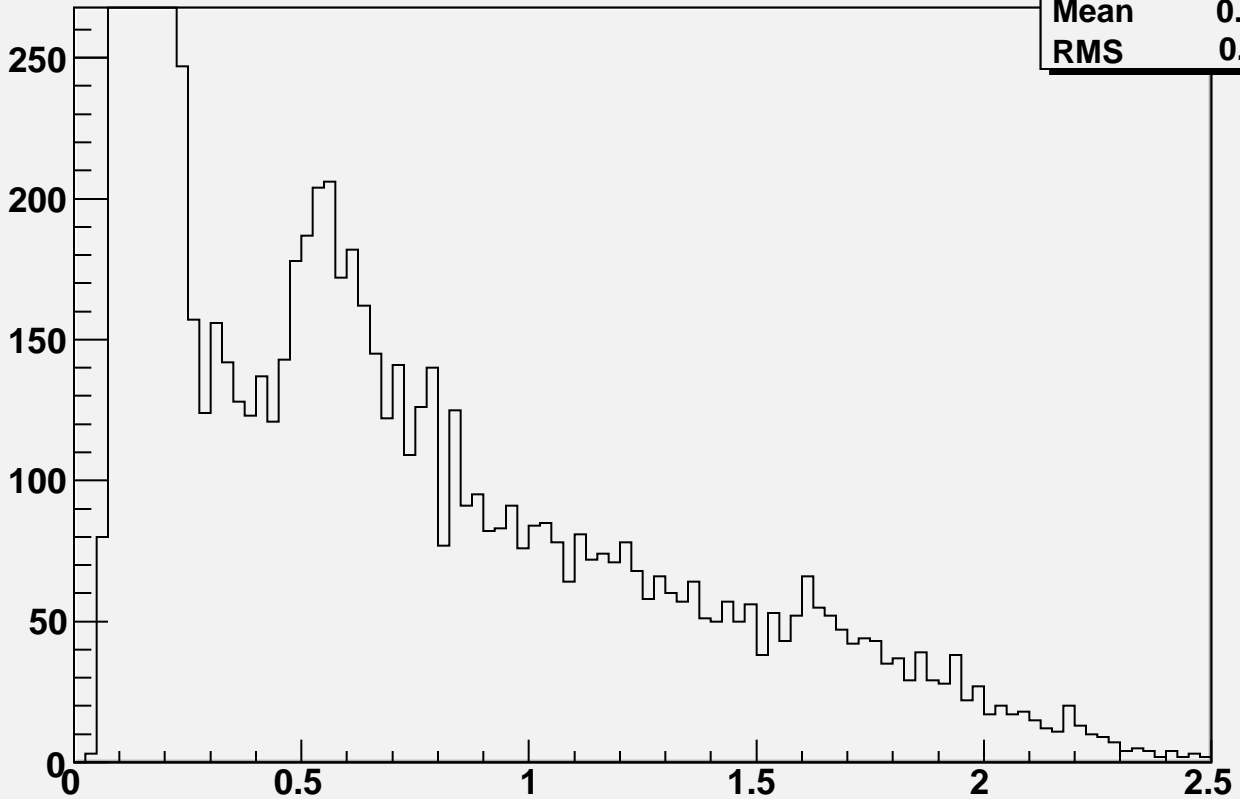


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.700000) < .05$



h1	
Entries	13848
Mean	0.5041
RMS	0.5111

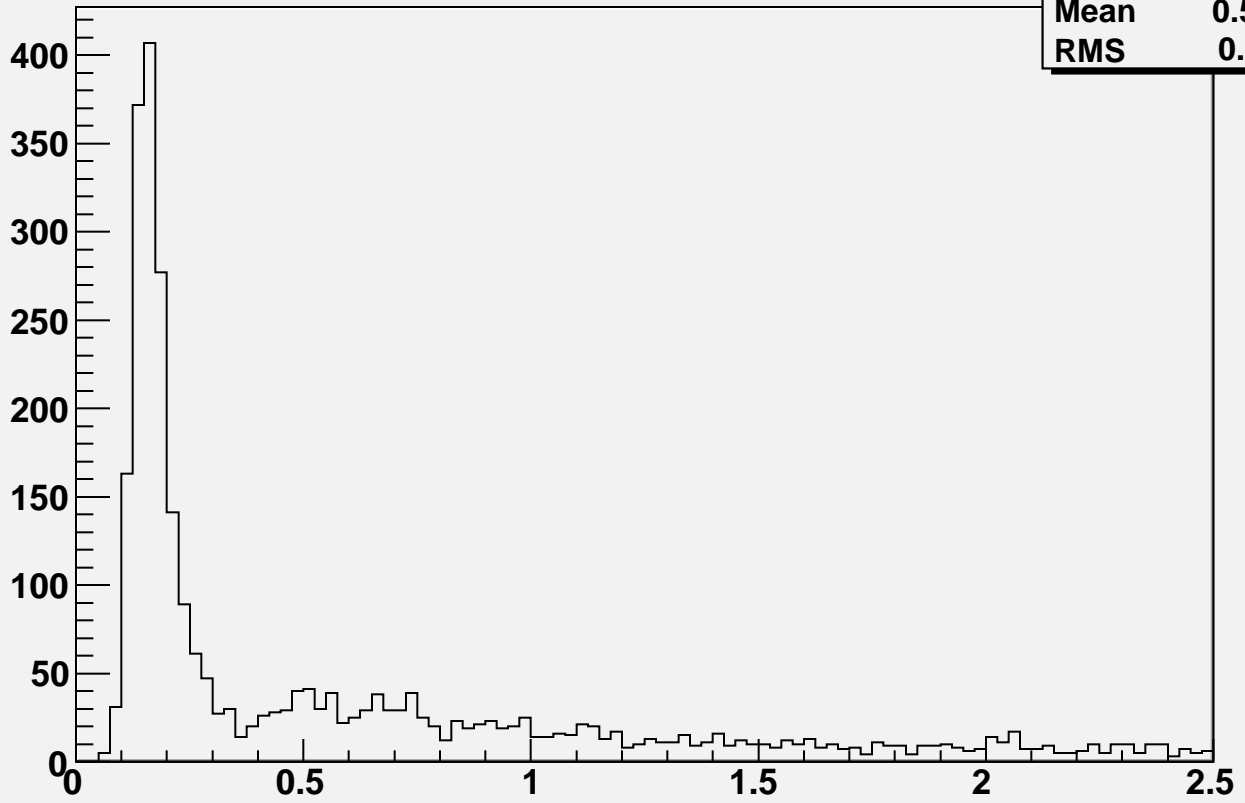
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.700000) < .05$



h2	
Entries	13848
Mean	0.5041
RMS	0.5111

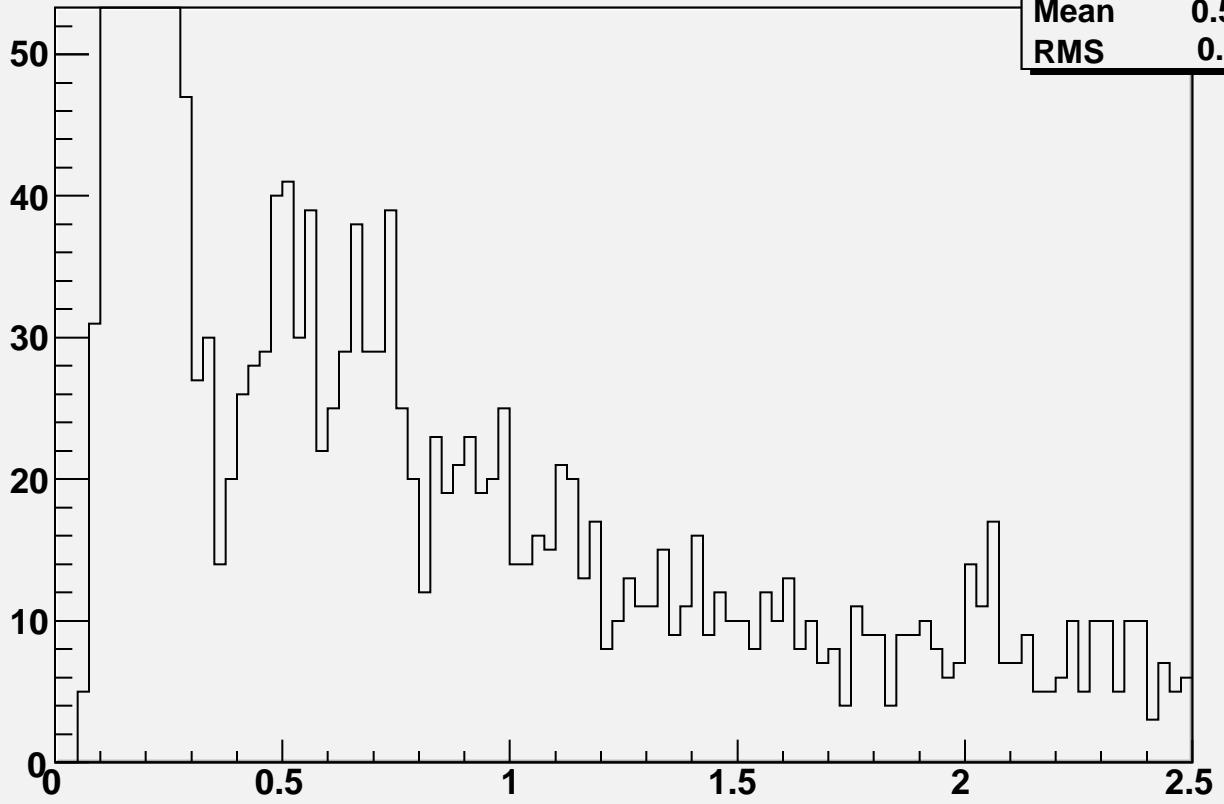
$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12} - 60.000000)| < 5$ & $|\ln(\eta - 3.700000)| < 0.05$

h1	
Entries	2974
Mean	0.5878
RMS	0.6091



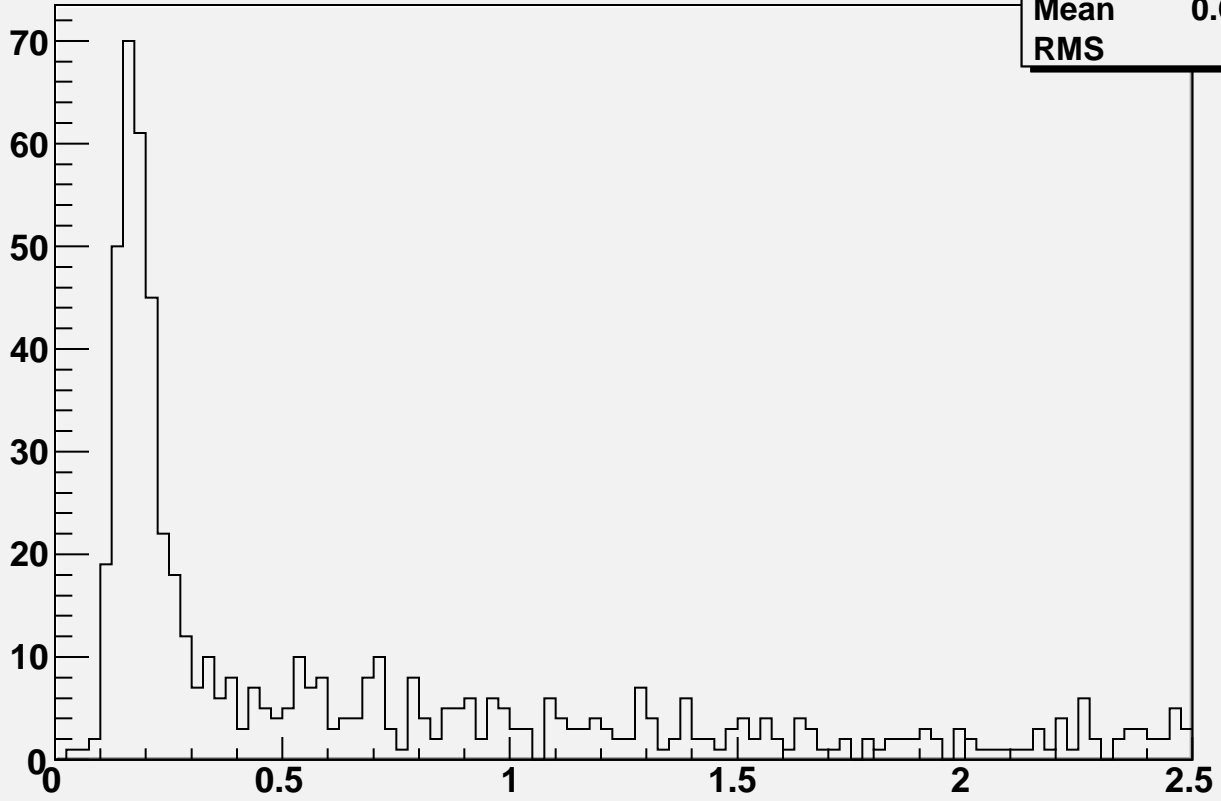
$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12} - 60.000000)| < 5$ & $|\ln(\eta - 3.700000)| < 0.05$

h2	
Entries	2974
Mean	0.5878
RMS	0.6091



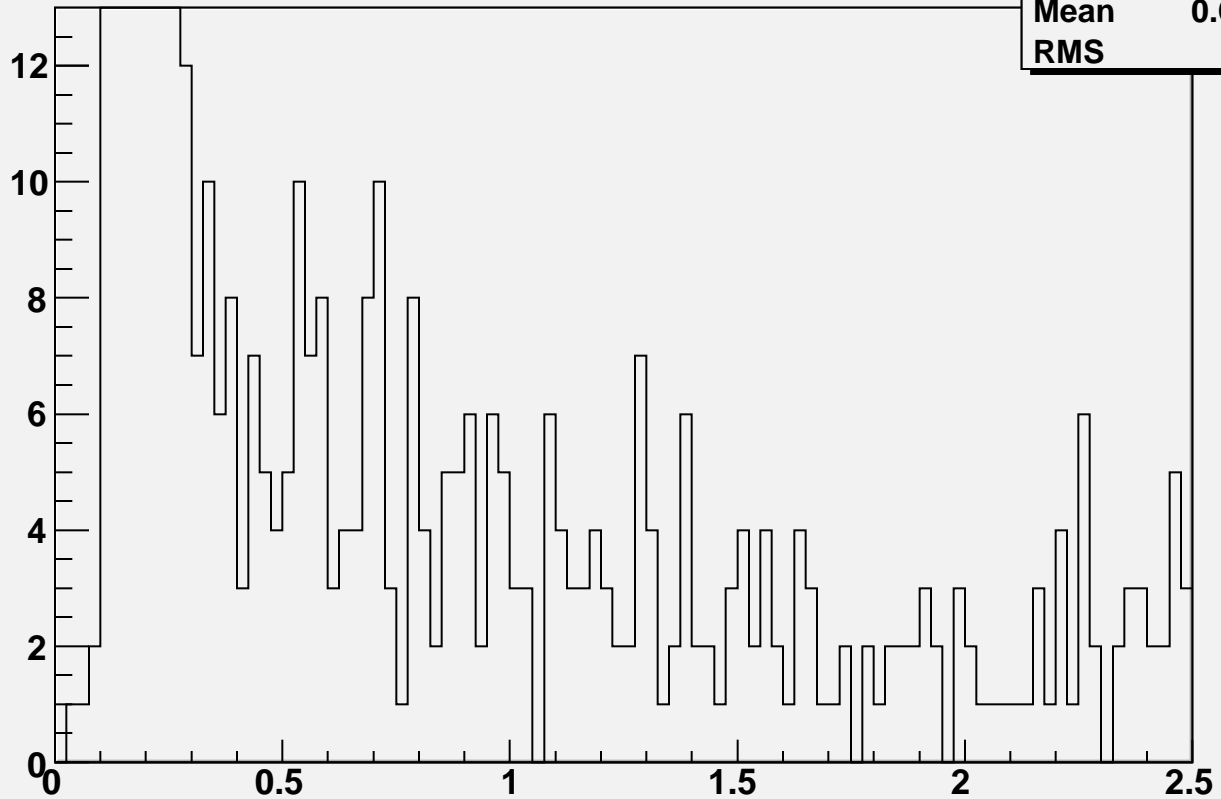
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 70.000000| < 5 \text{ \& \& } |\text{Eta} - 3.700000| < .05$

h1	
Entries	634
Mean	0.6615
RMS	0.66

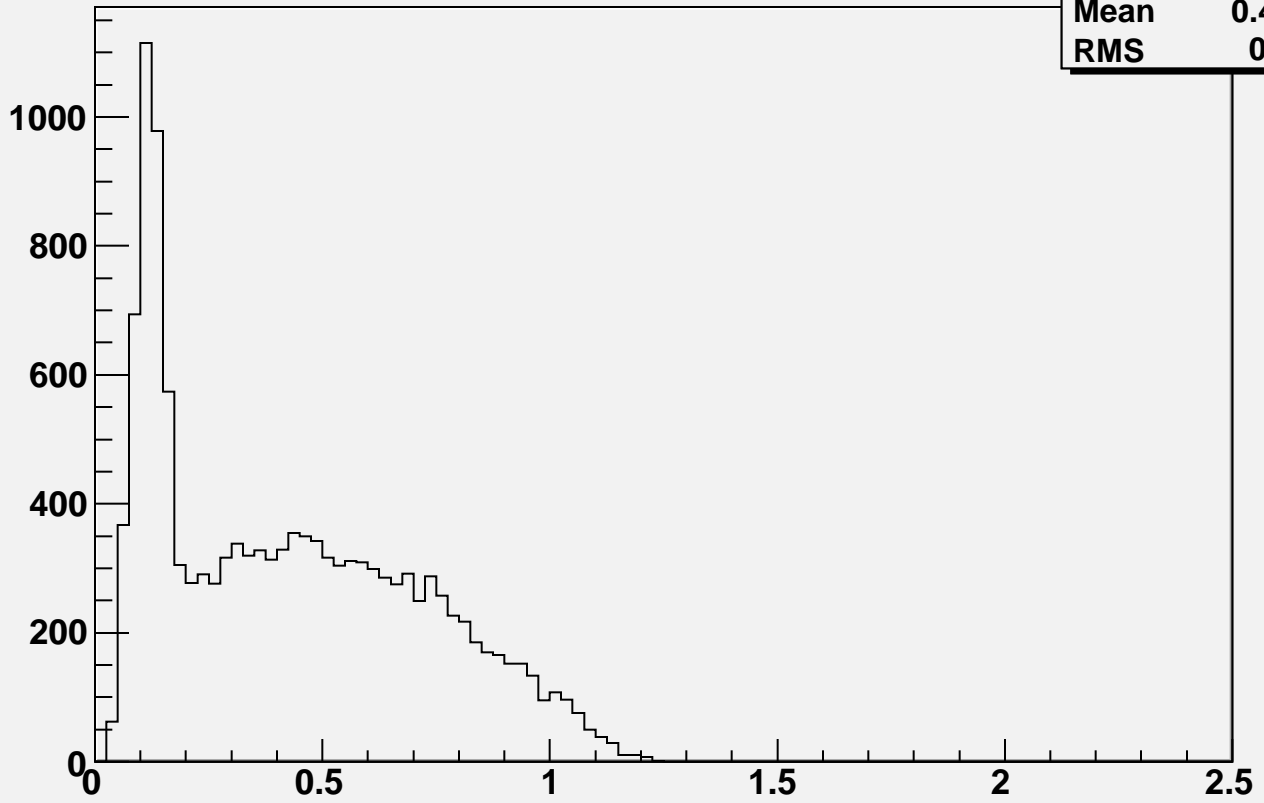


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 70.000000| < 5 \text{ \& \& } |\text{Eta} - 3.700000| < .05$

h2	
Entries	634
Mean	0.6615
RMS	0.66

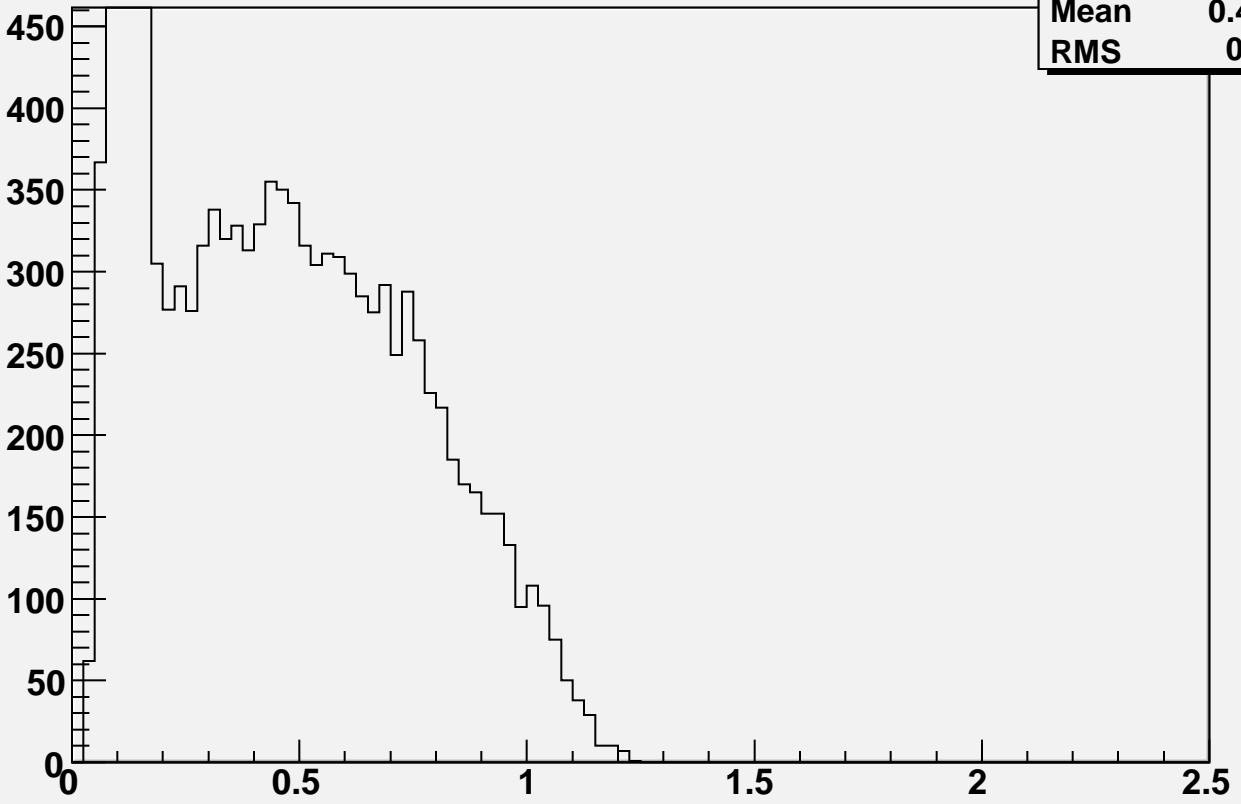


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.600000) < .05$



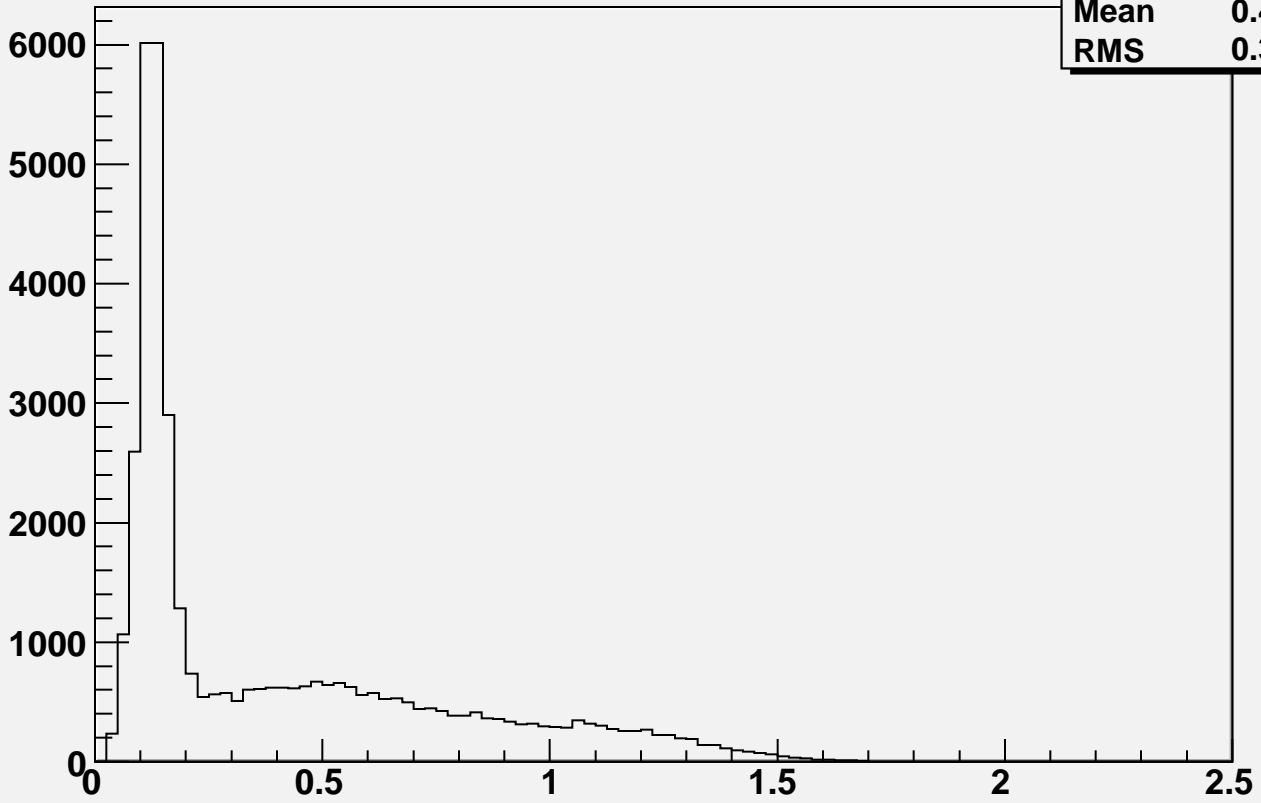
h1	
Entries	13035
Mean	0.4322
RMS	0.286

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



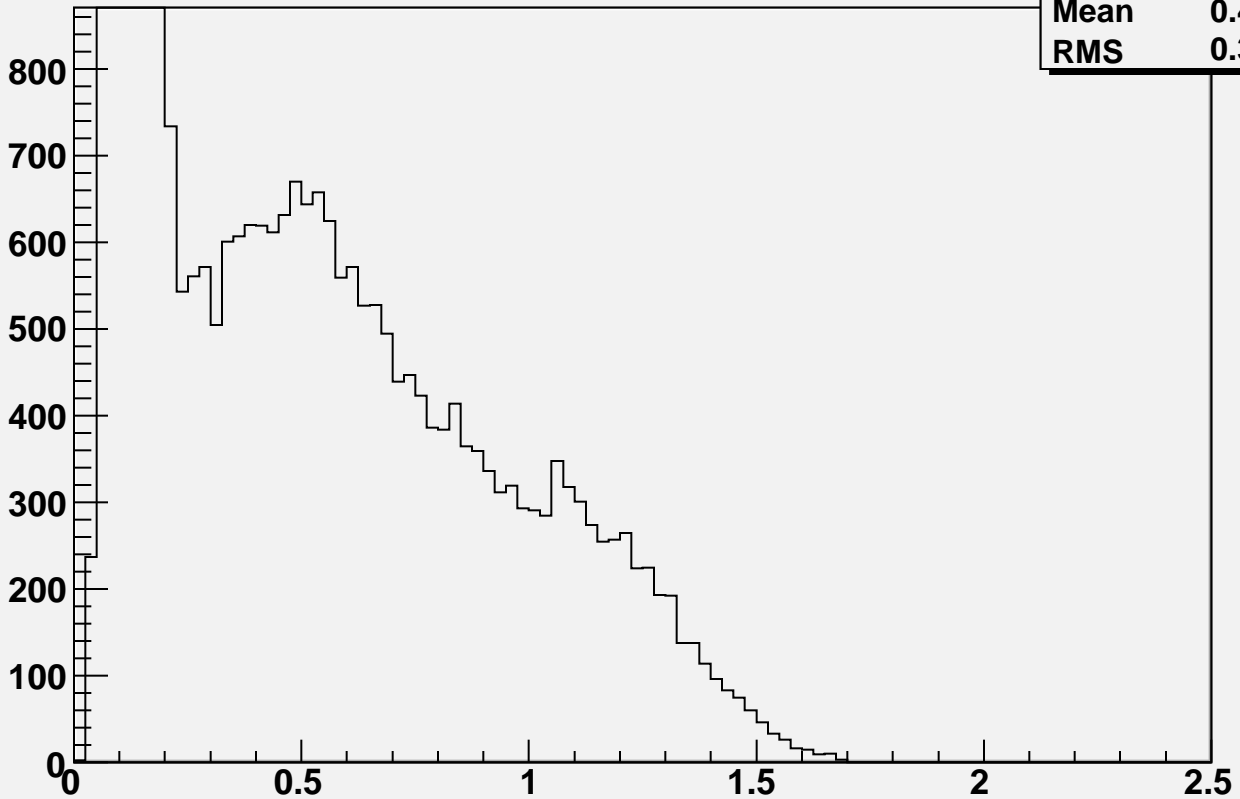
h2	
Entries	13035
Mean	0.4322
RMS	0.286

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



h1	
Entries	40766
Mean	0.4107
RMS	0.3693

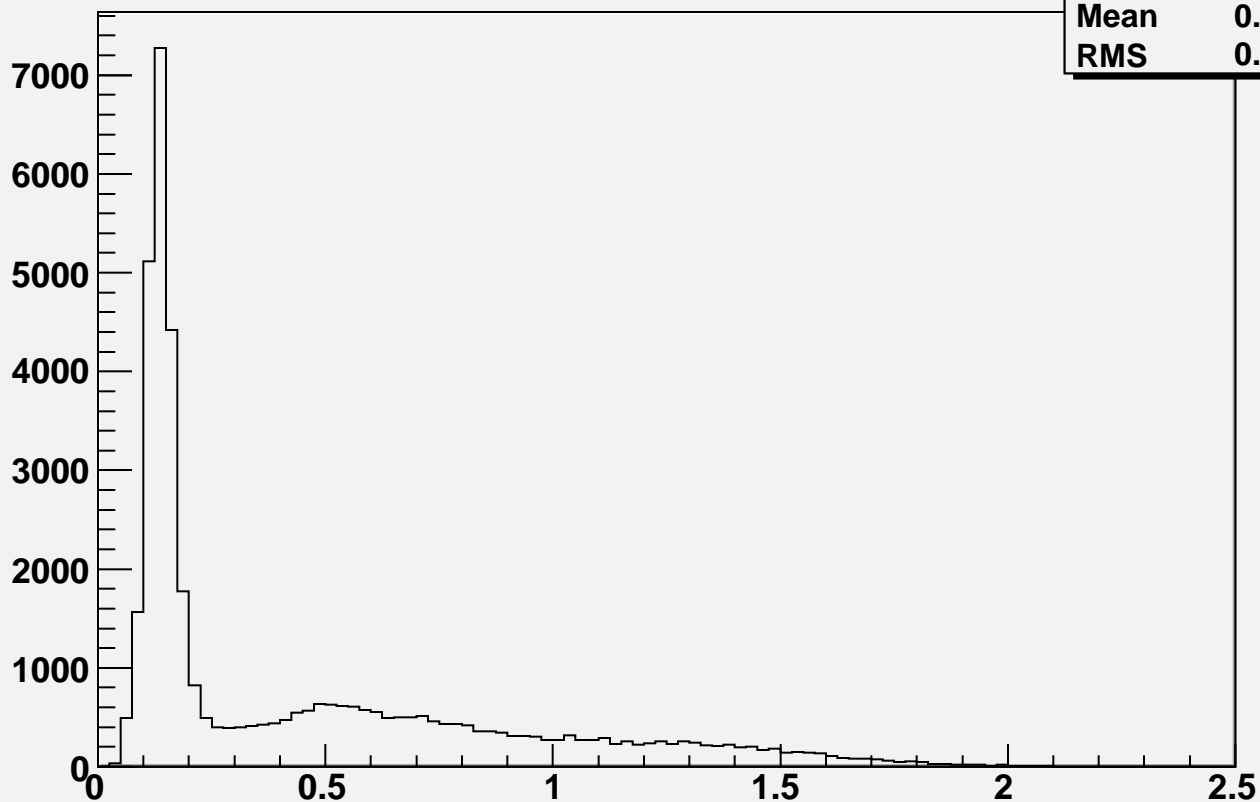
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.600000) < .05$



h2	
Entries	40766
Mean	0.4107
RMS	0.3693

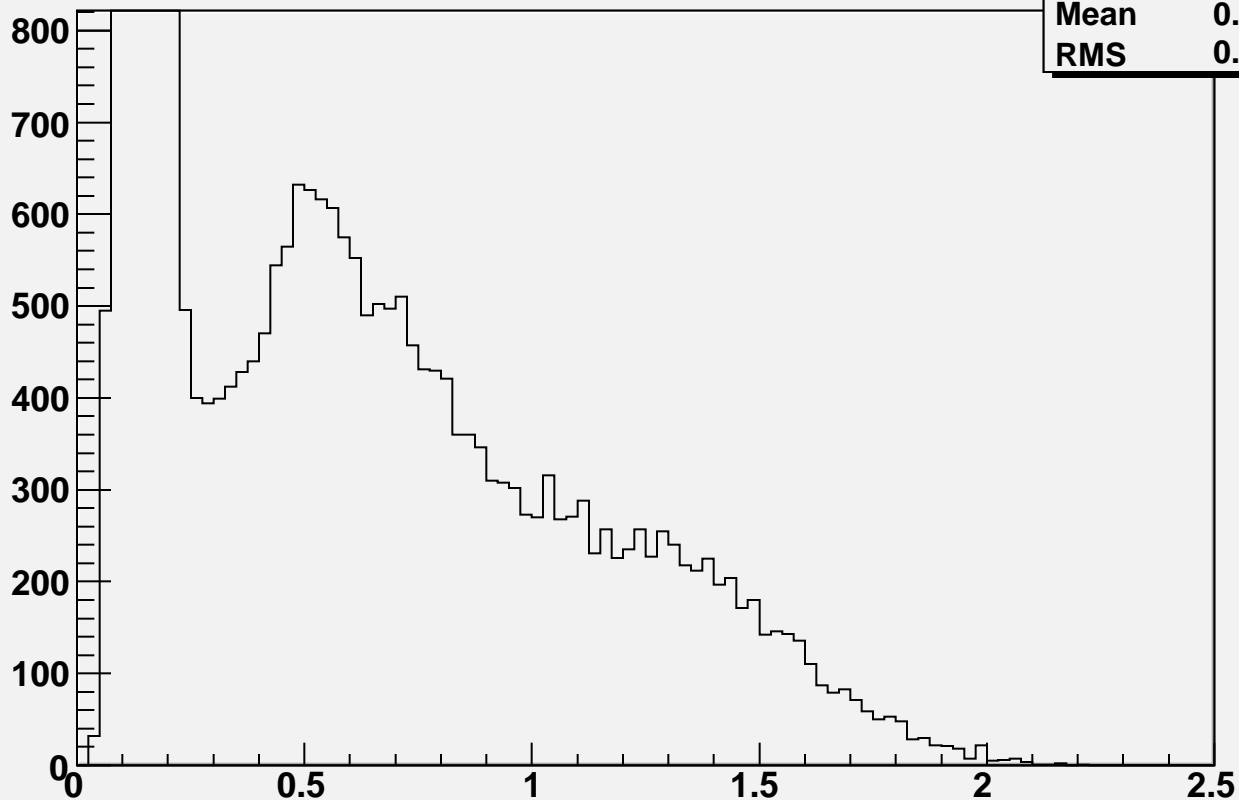
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.600000) < .05$

h1	
Entries	41782
Mean	0.4657
RMS	0.4384

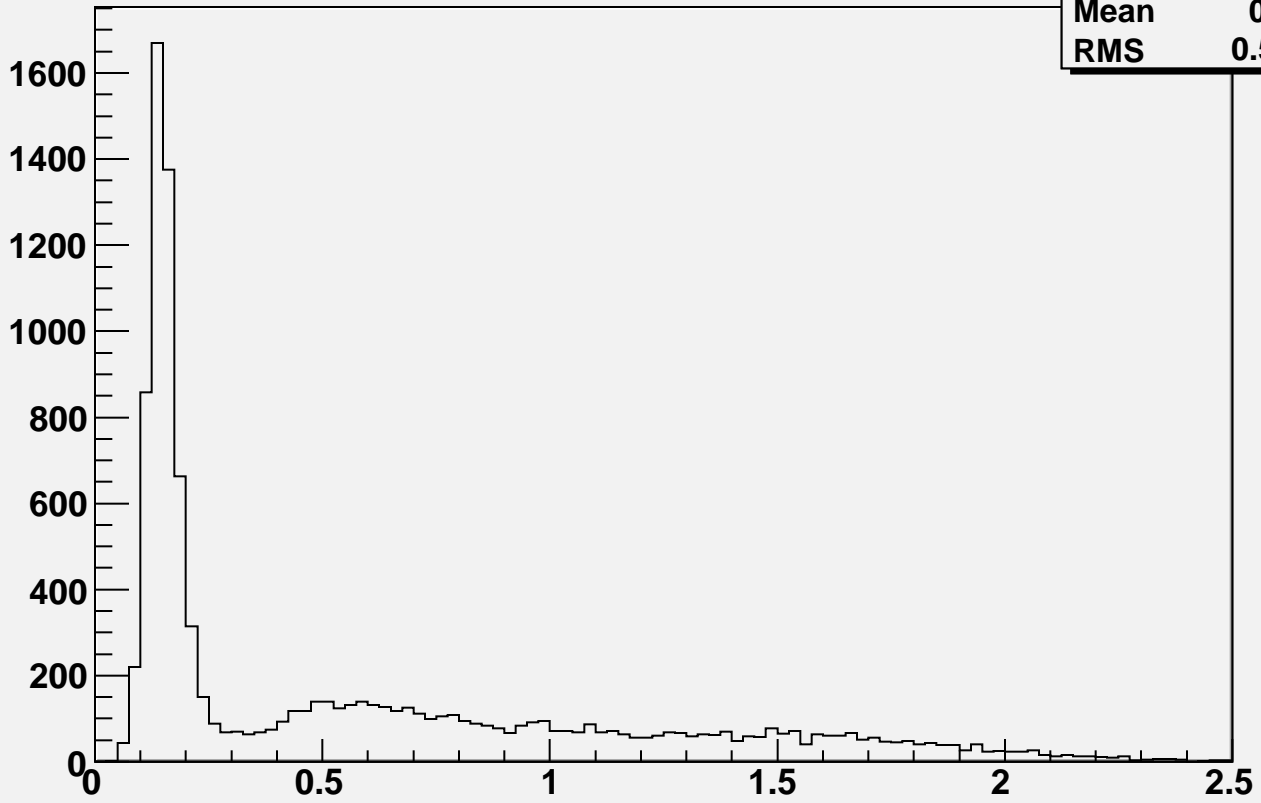


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.600000) < .05$

h2	
Entries	41782
Mean	0.4657
RMS	0.4384

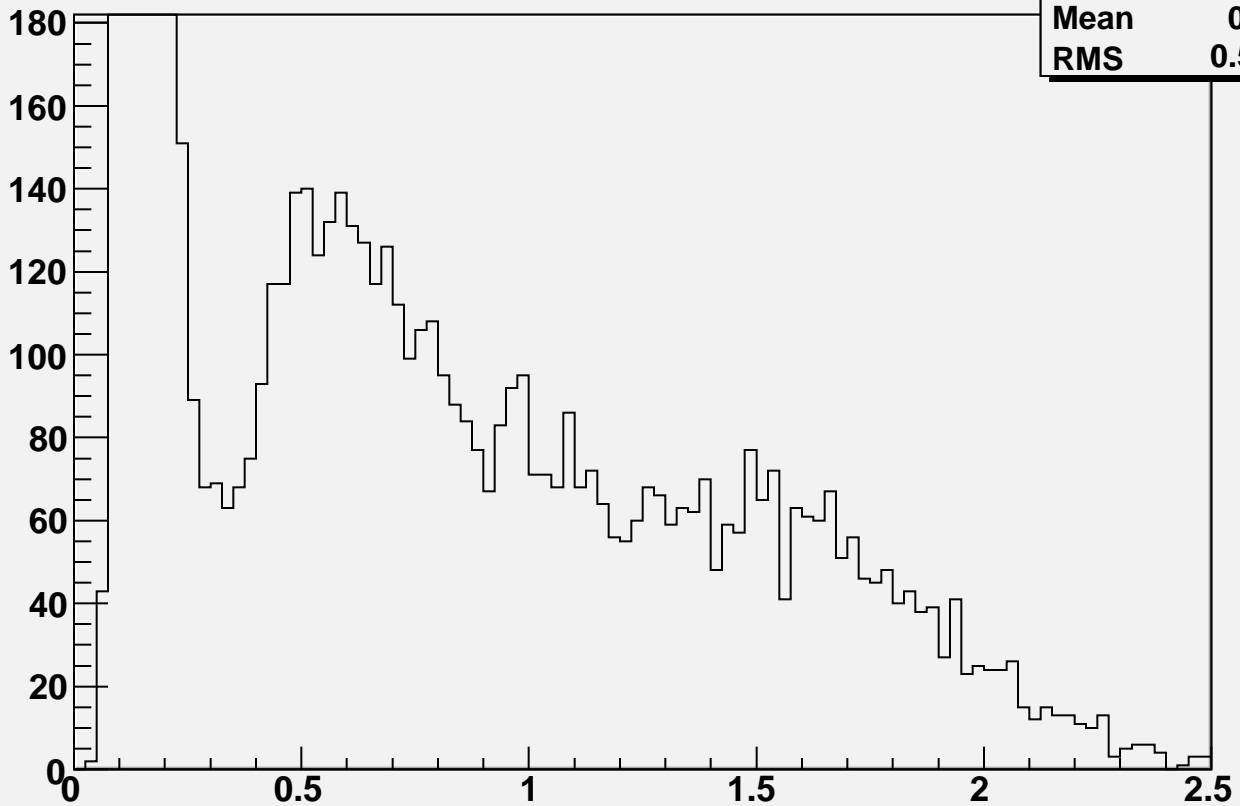


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.600000) < .05$



h1	
Entries	10803
Mean	0.592
RMS	0.5662

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

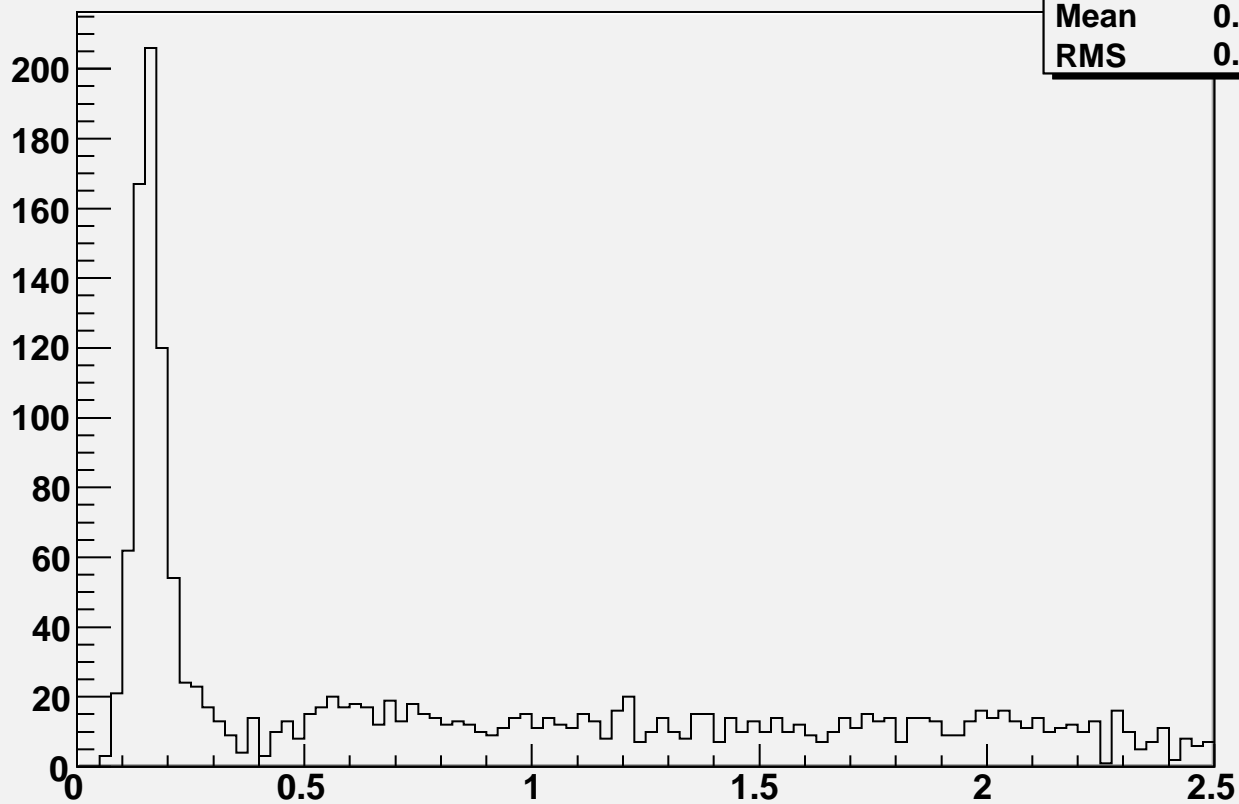


h2	
Entries	10803
Mean	0.592
RMS	0.5662

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

h1

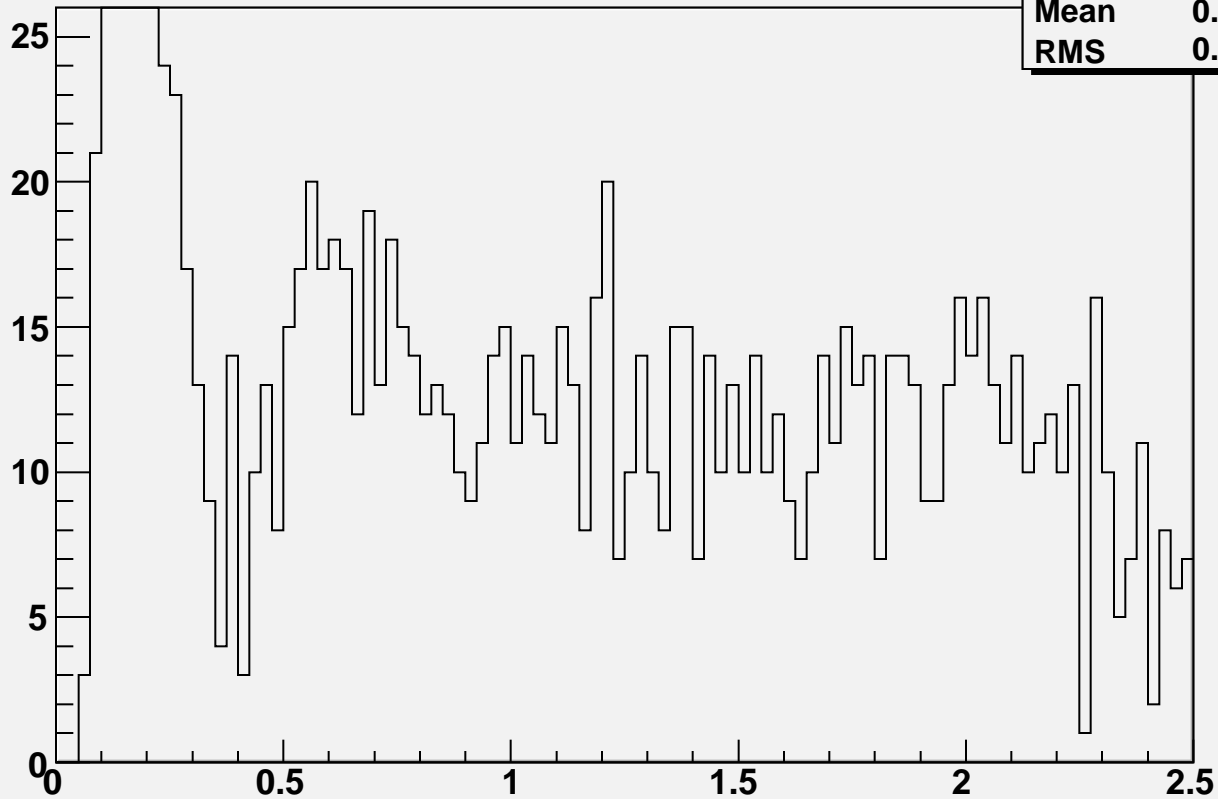
Entries	1771
Mean	0.8688
RMS	0.7442



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

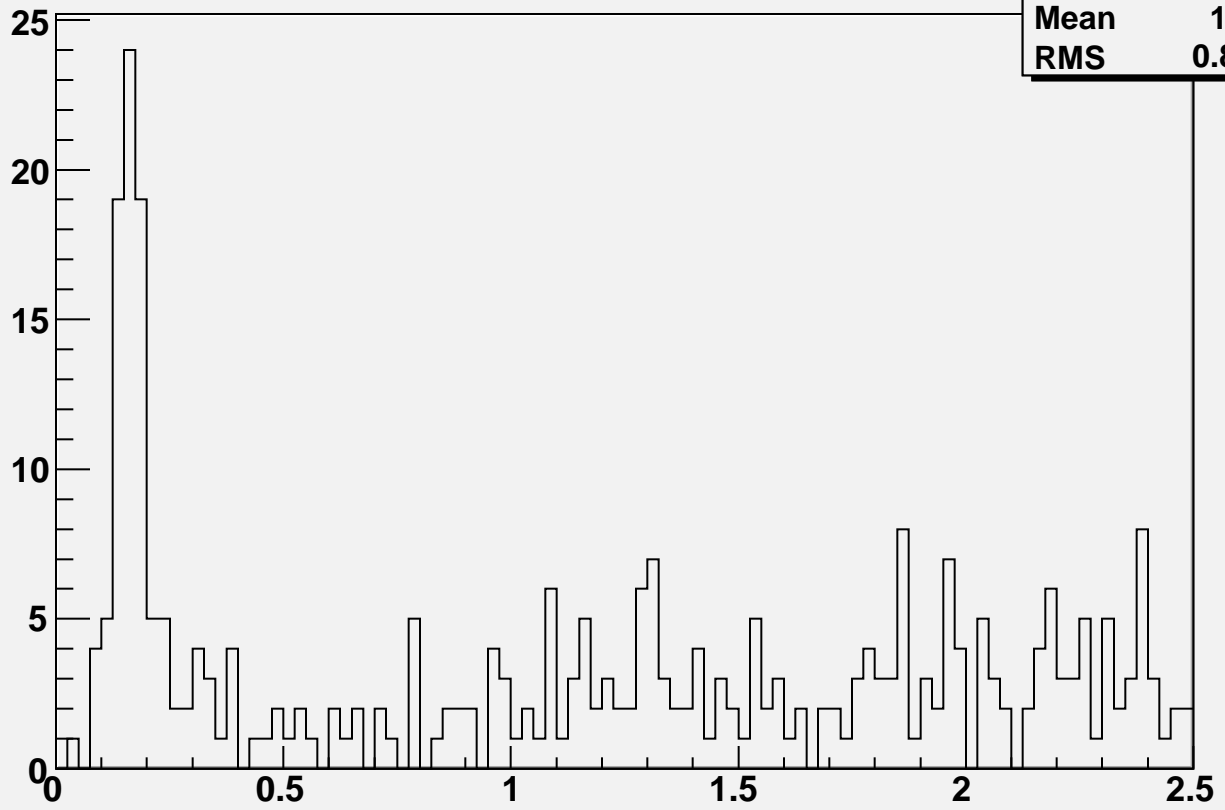
h2

Entries	1771
Mean	0.8688
RMS	0.7442



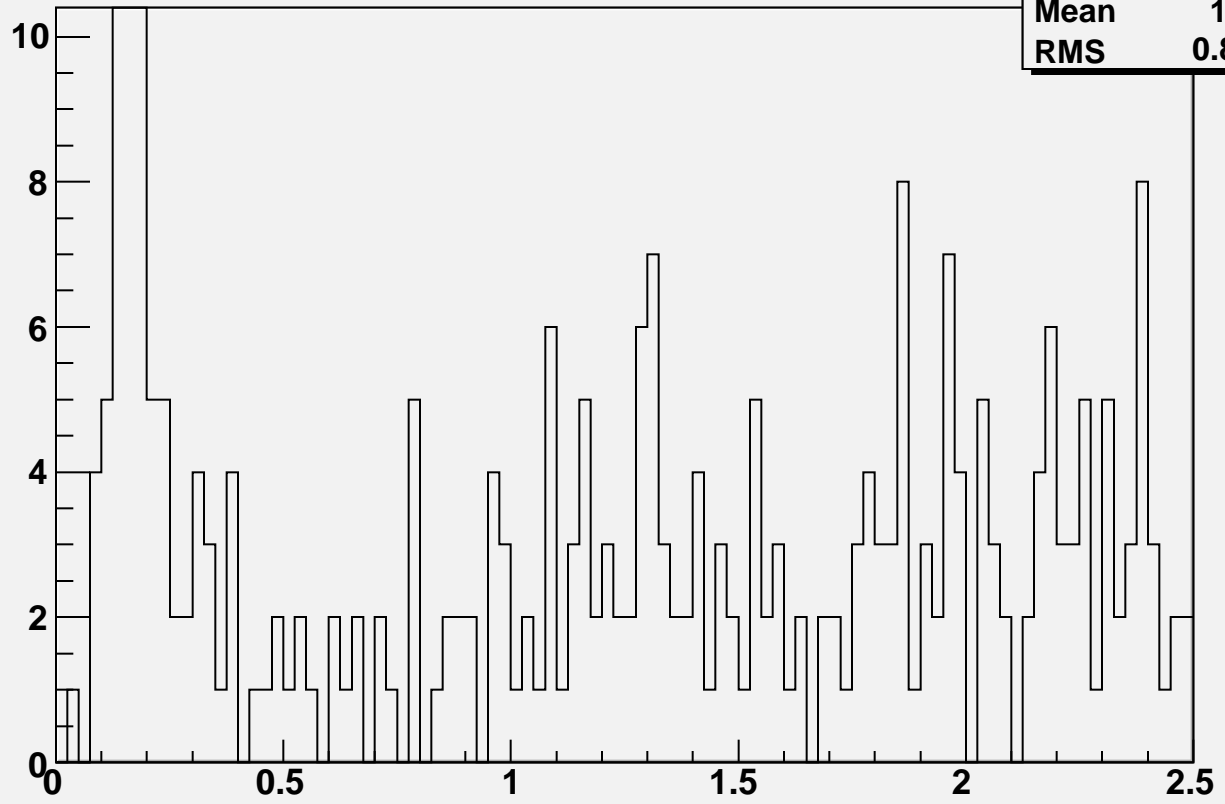
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 70.000000| < 5 \text{ \& \& } |\text{Eta} - 3.600000| < .05$

h1	
Entries	359
Mean	1.154
RMS	0.8027

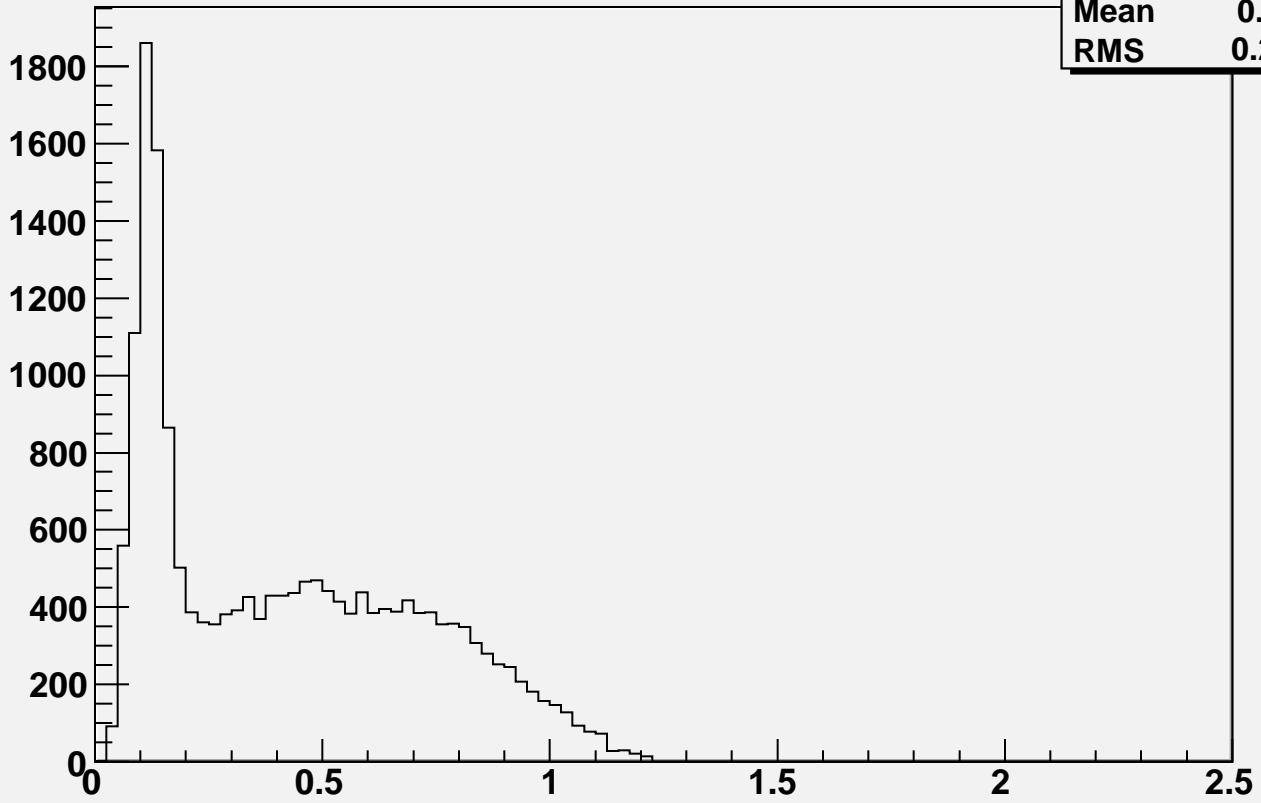


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 70.000000| < 5 \text{ \& \& } |\text{Eta} - 3.600000| < .05$

h2	
Entries	359
Mean	1.154
RMS	0.8027

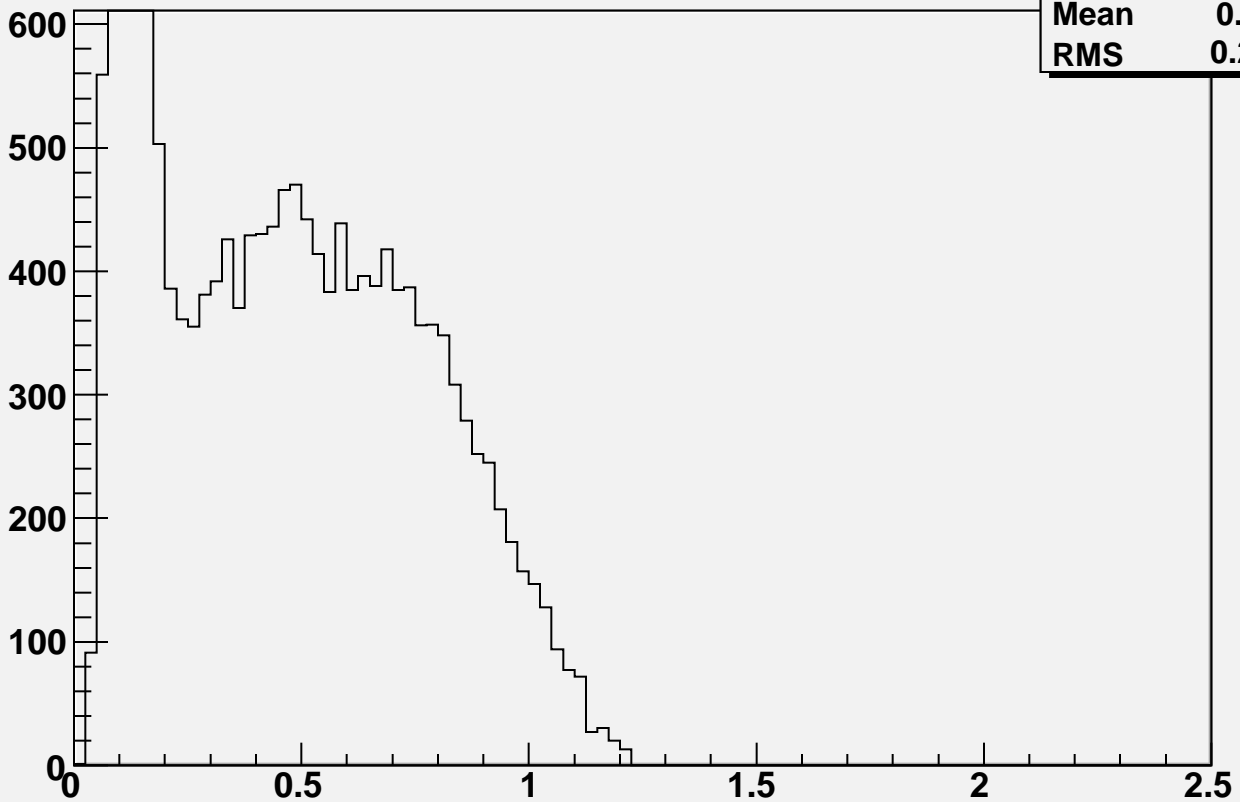


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.500000) < .05$



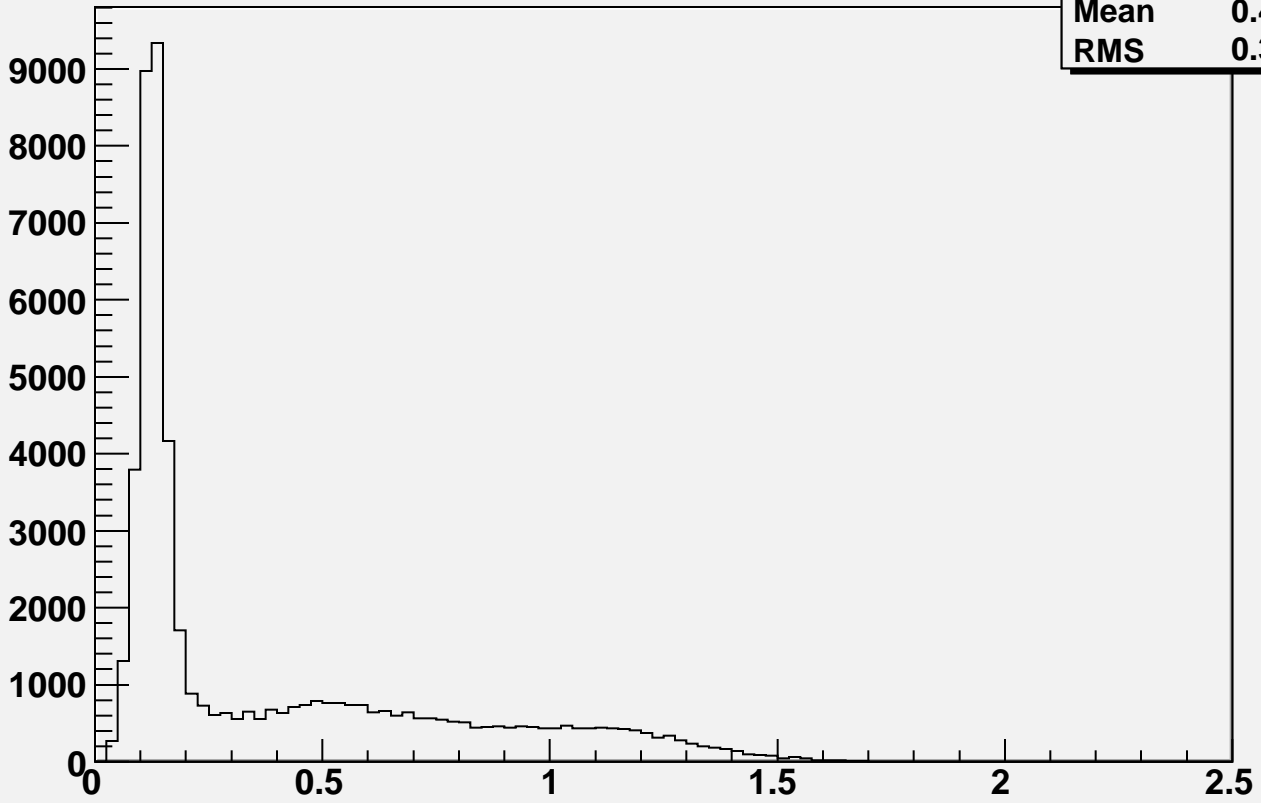
h1	
Entries	18810
Mean	0.4261
RMS	0.2934

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



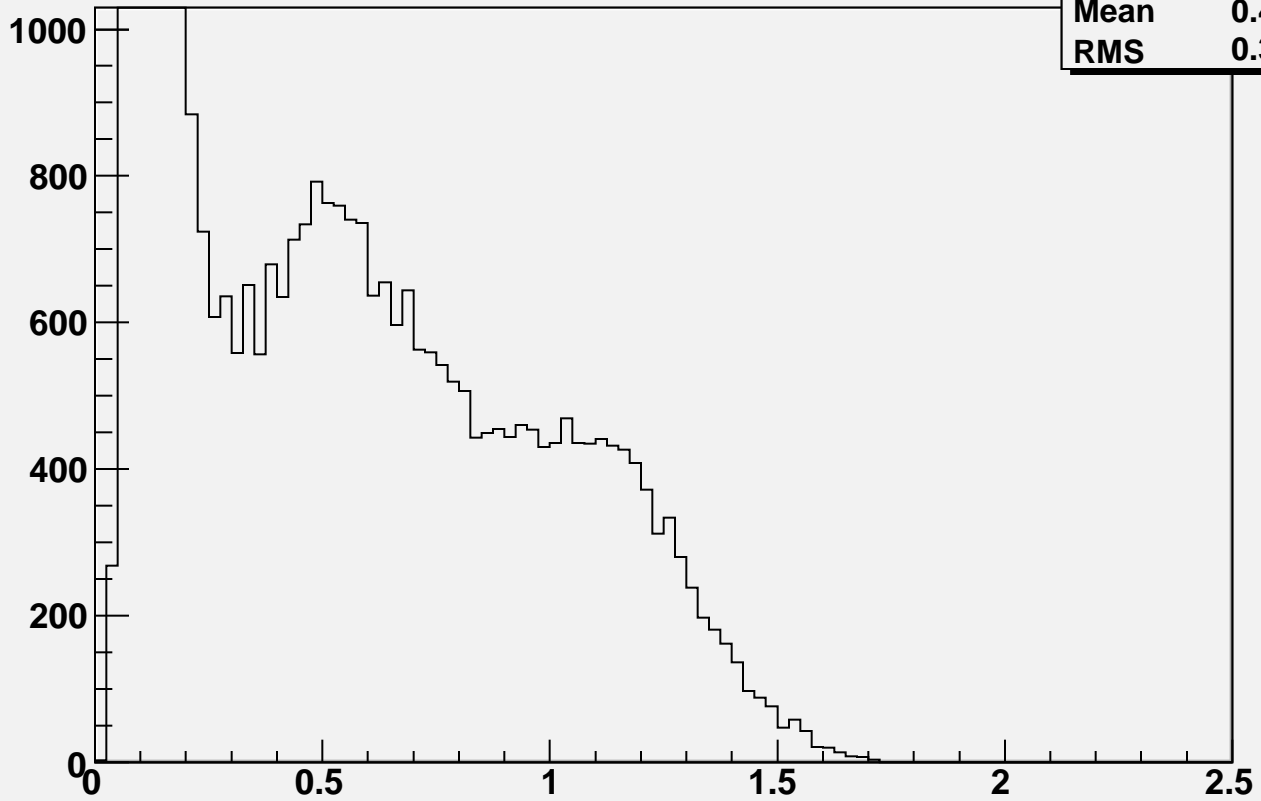
h2	
Entries	18810
Mean	0.4261
RMS	0.2934

$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12}/30)| < 5$ & $|\ln(\eta/3.5)| < 0.05$



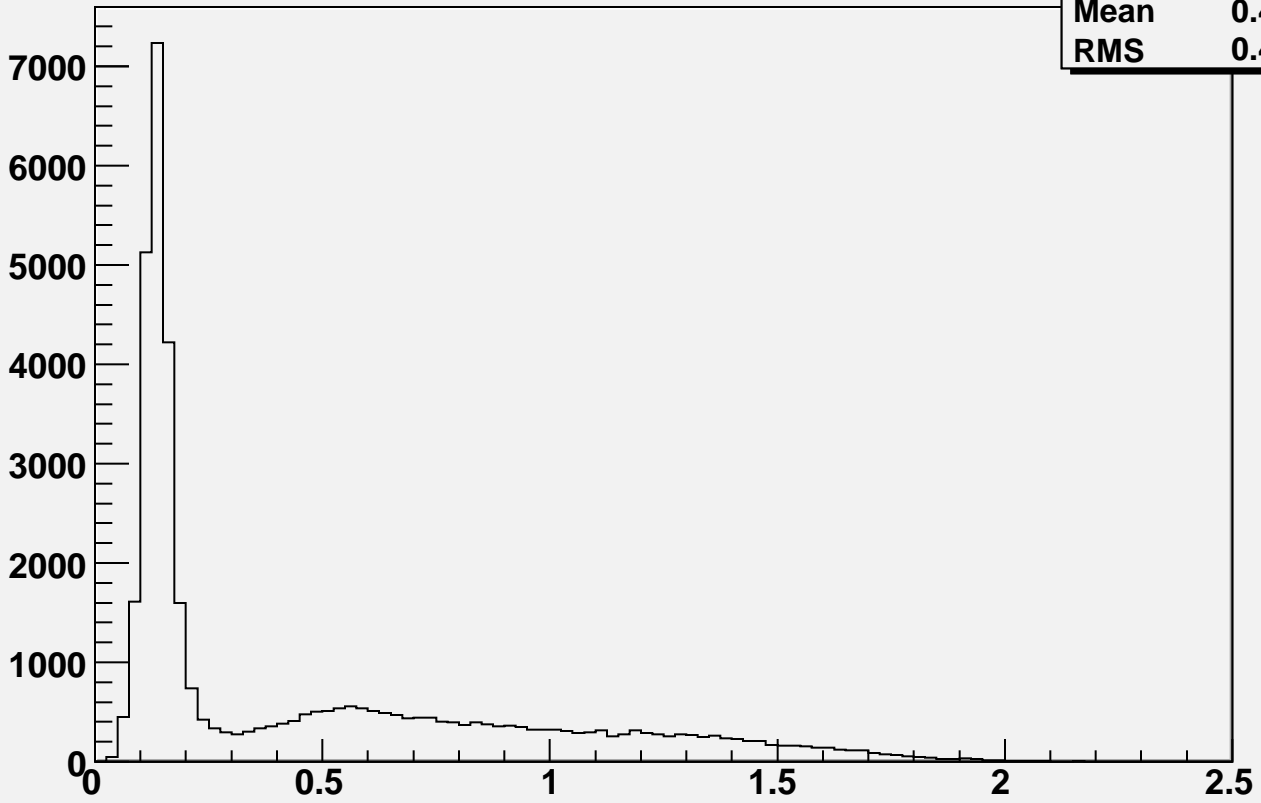
h1	
Entries	55254
Mean	0.4016
RMS	0.3763

$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12}/30)| < 5$ & $|\ln(\eta/3.5)| < 0.05$



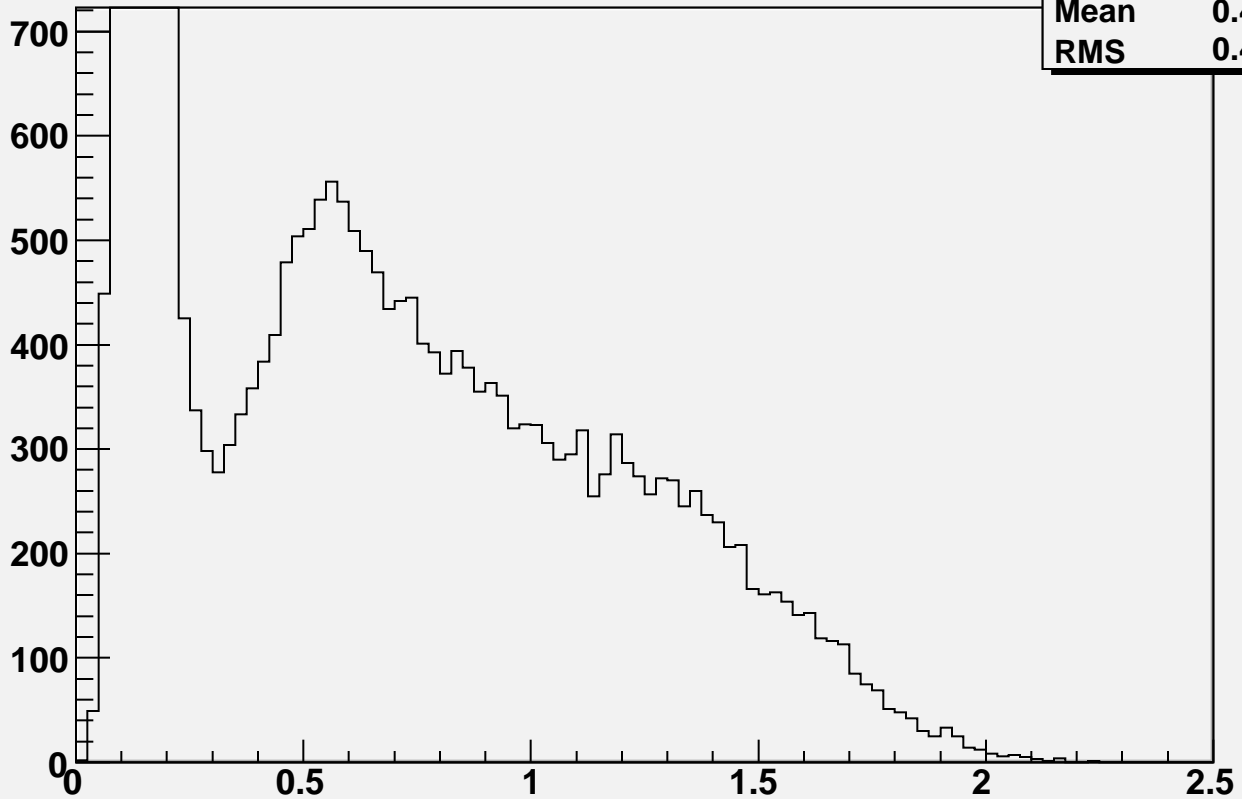
h2	
Entries	55254
Mean	0.4016
RMS	0.3763

$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12} - 40.000000)| < 5$ & $|\ln(\eta - 3.500000)| < 0.05$



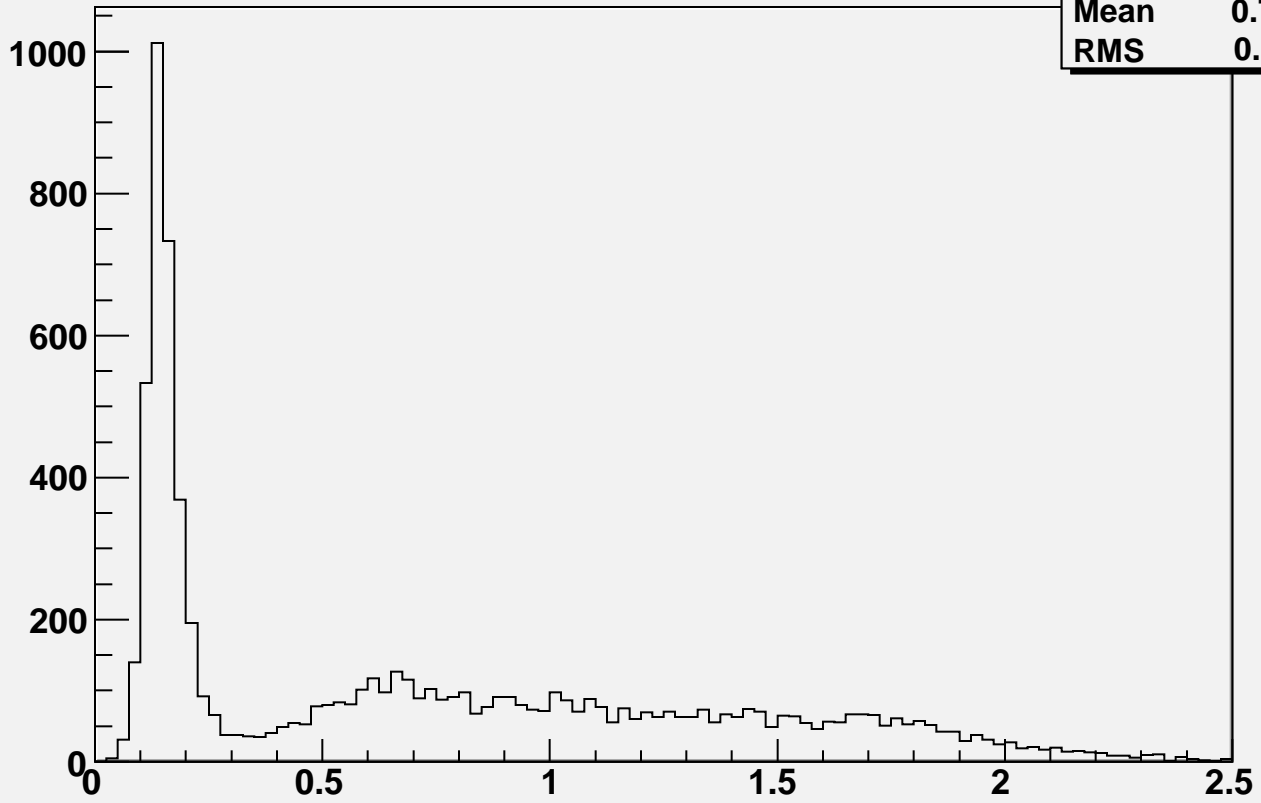
h1	
Entries	40663
Mean	0.4898
RMS	0.4628

$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12} - 40.000000)| < 5$ & $|\ln(\eta - 3.500000)| < 0.05$



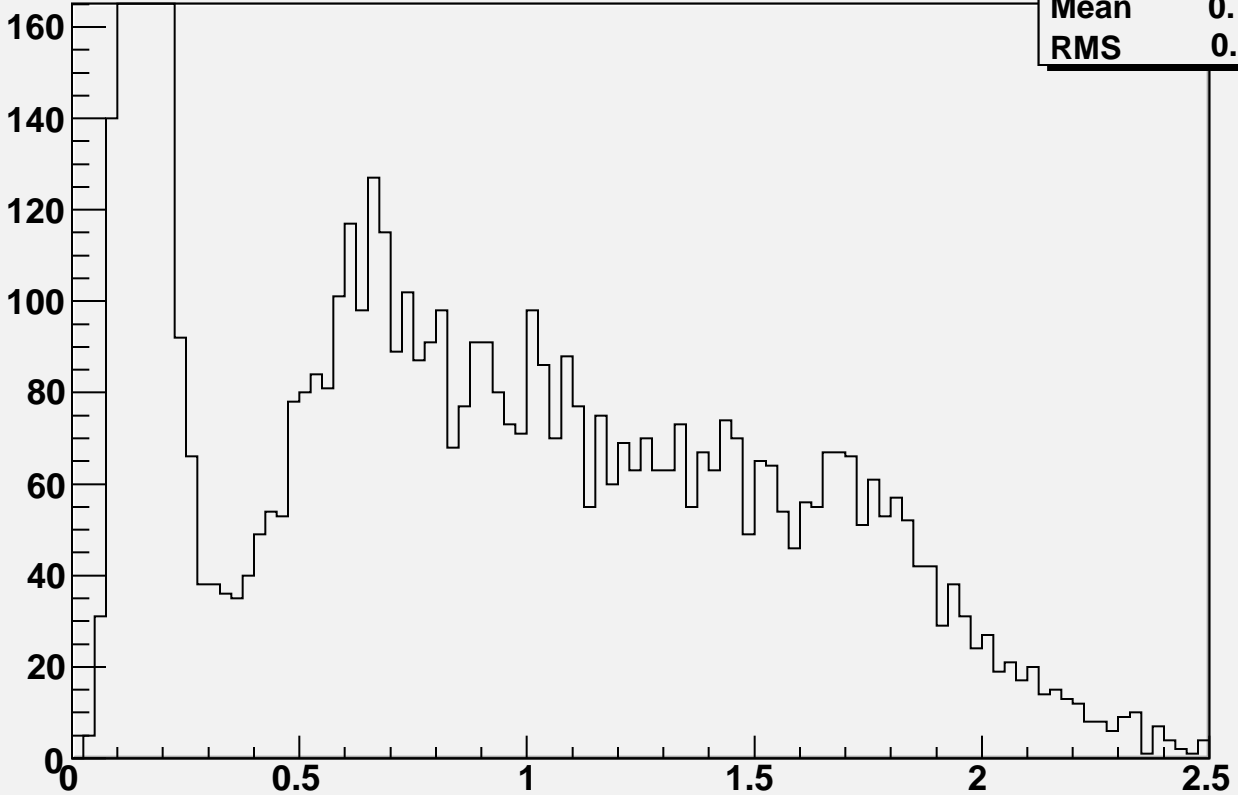
h2	
Entries	40663
Mean	0.4898
RMS	0.4628

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



h1	
Entries	8051
Mean	0.7388
RMS	0.6113

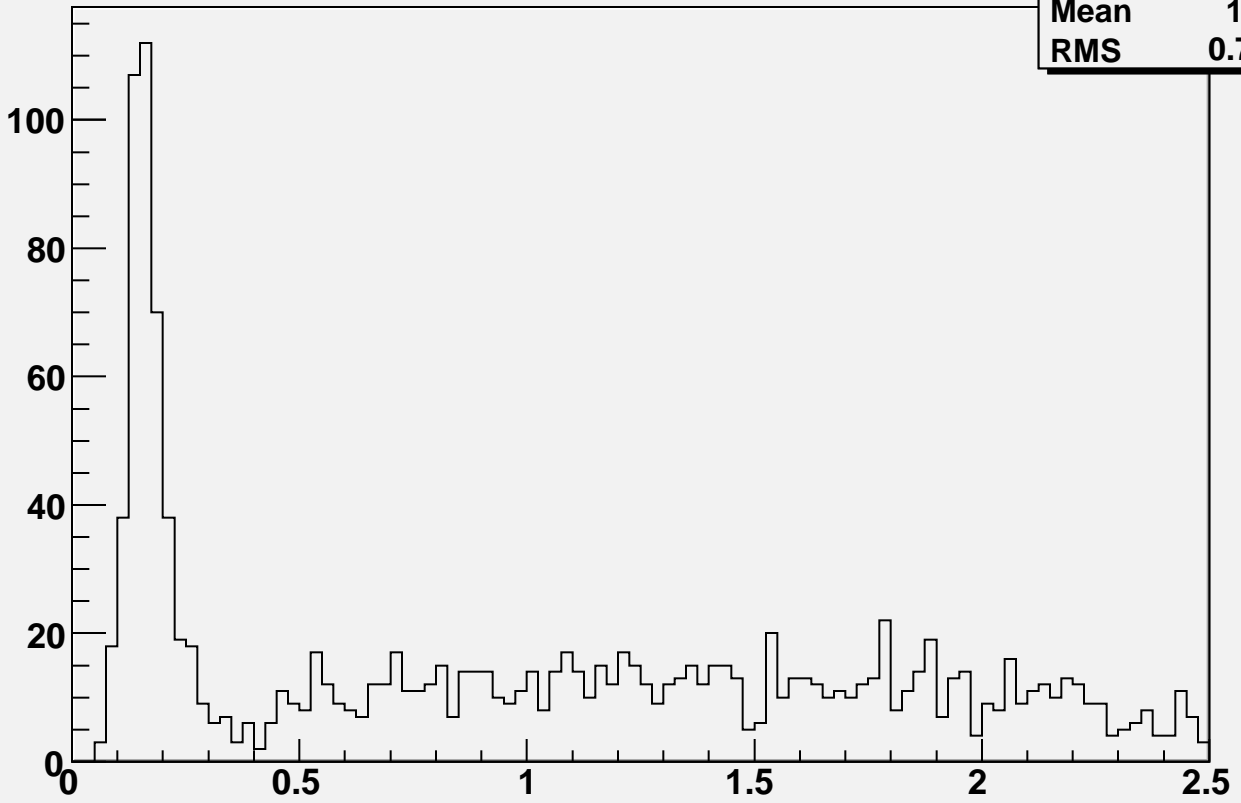
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.500000) < .05$



h2	
Entries	8051
Mean	0.7388
RMS	0.6113

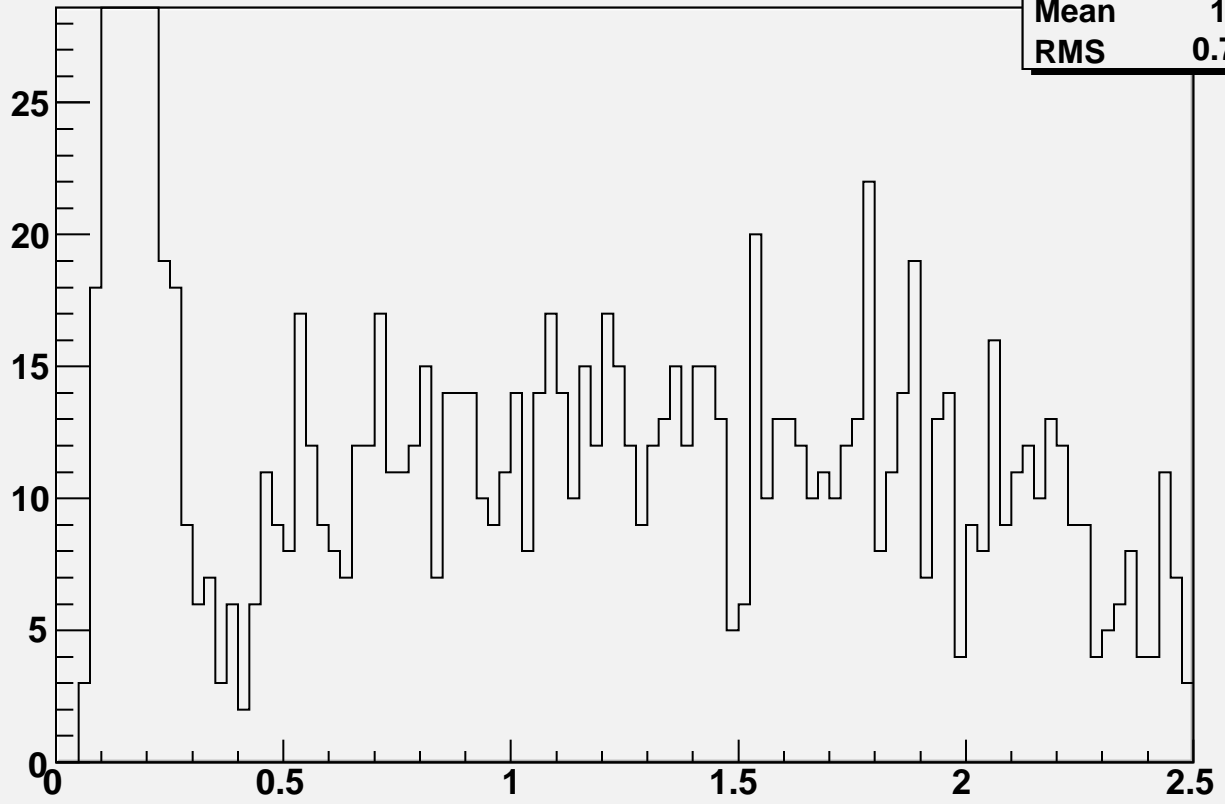
$N_{12} = 2 \text{ \&Z} < .7 \text{ \&abs}(E_{12} - 60.000000) < 5. \text{ \&abs}(\text{Eta} - 3.500000) < .05$

h1	
Entries	1425
Mean	1.002
RMS	0.7377



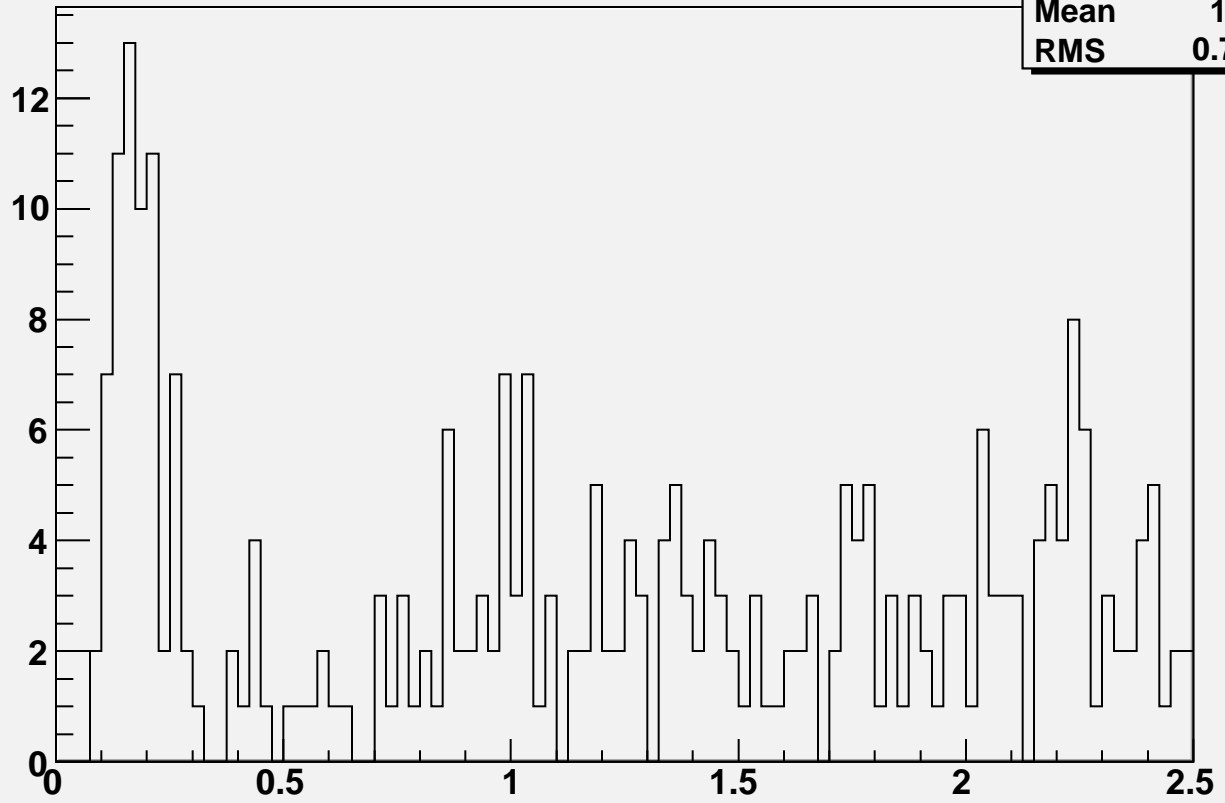
$N_{12} = 2 \text{ \&Z} < .7 \text{ \&abs}(E_{12} - 60.000000) < 5. \text{ \&abs}(\text{Eta} - 3.500000) < .05$

h2	
Entries	1425
Mean	1.002
RMS	0.7377



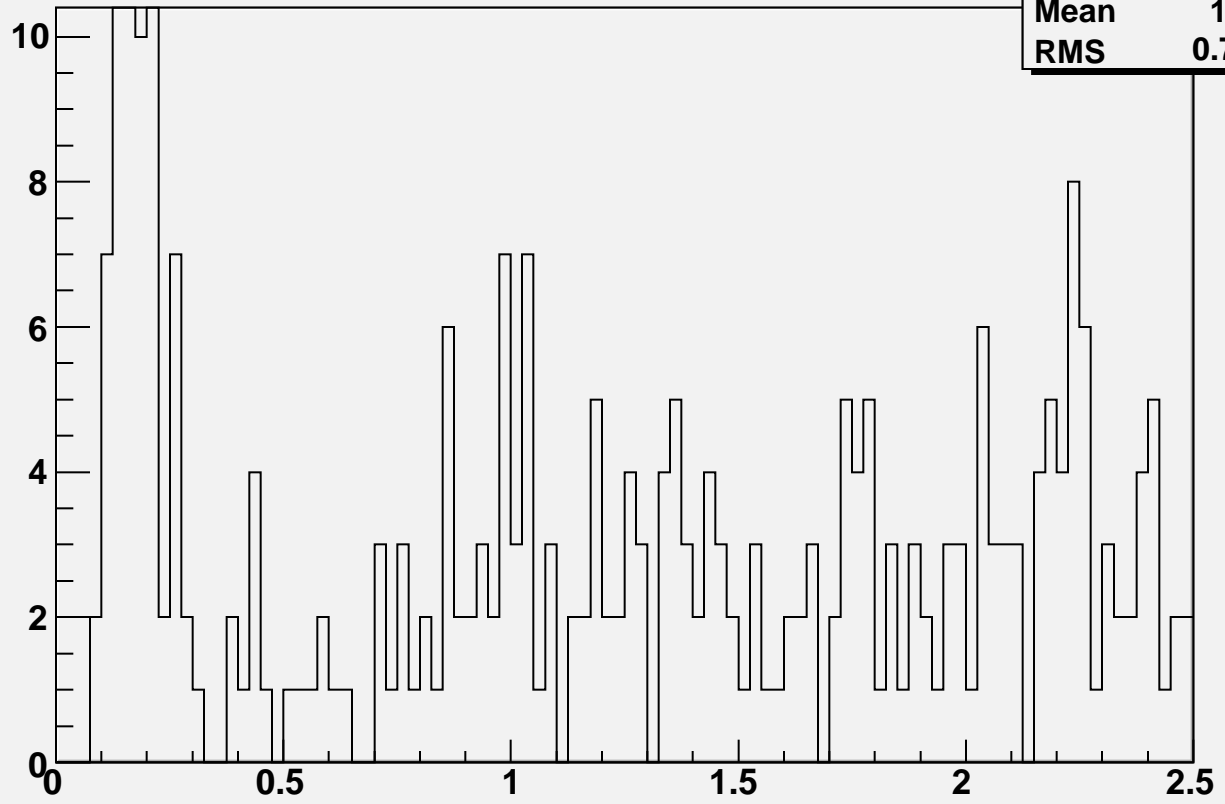
$N_{12}==2 \& \& Z < .7 \& \& \text{abs}(E_{12}-70.000000) < 5. \& \& \text{abs}(\text{Eta}-3.500000) < .05$

h1	
Entries	336
Mean	1.228
RMS	0.7718

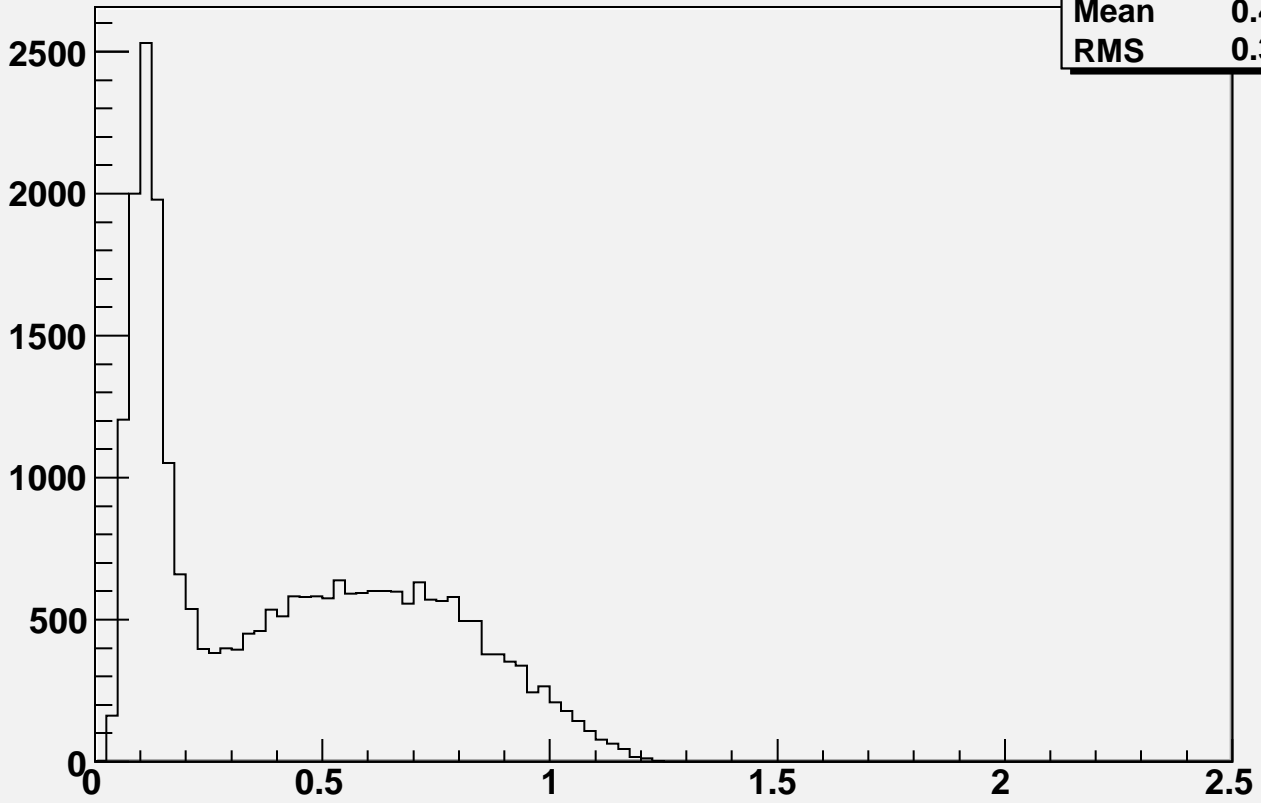


$N_{12}==2 \& \& Z < .7 \& \& \text{abs}(E_{12}-70.000000) < 5. \& \& \text{abs}(\text{Eta}-3.500000) < .05$

h2	
Entries	336
Mean	1.228
RMS	0.7718

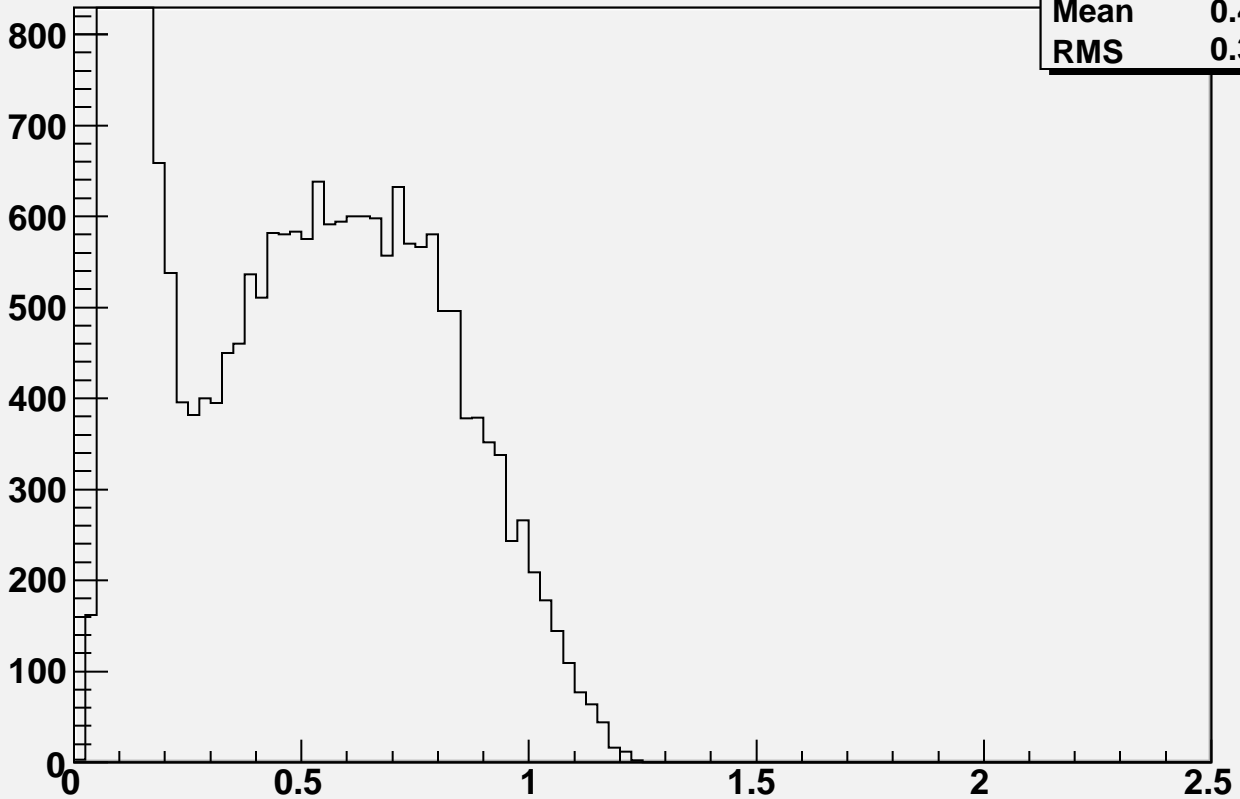


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.400000) < .05$



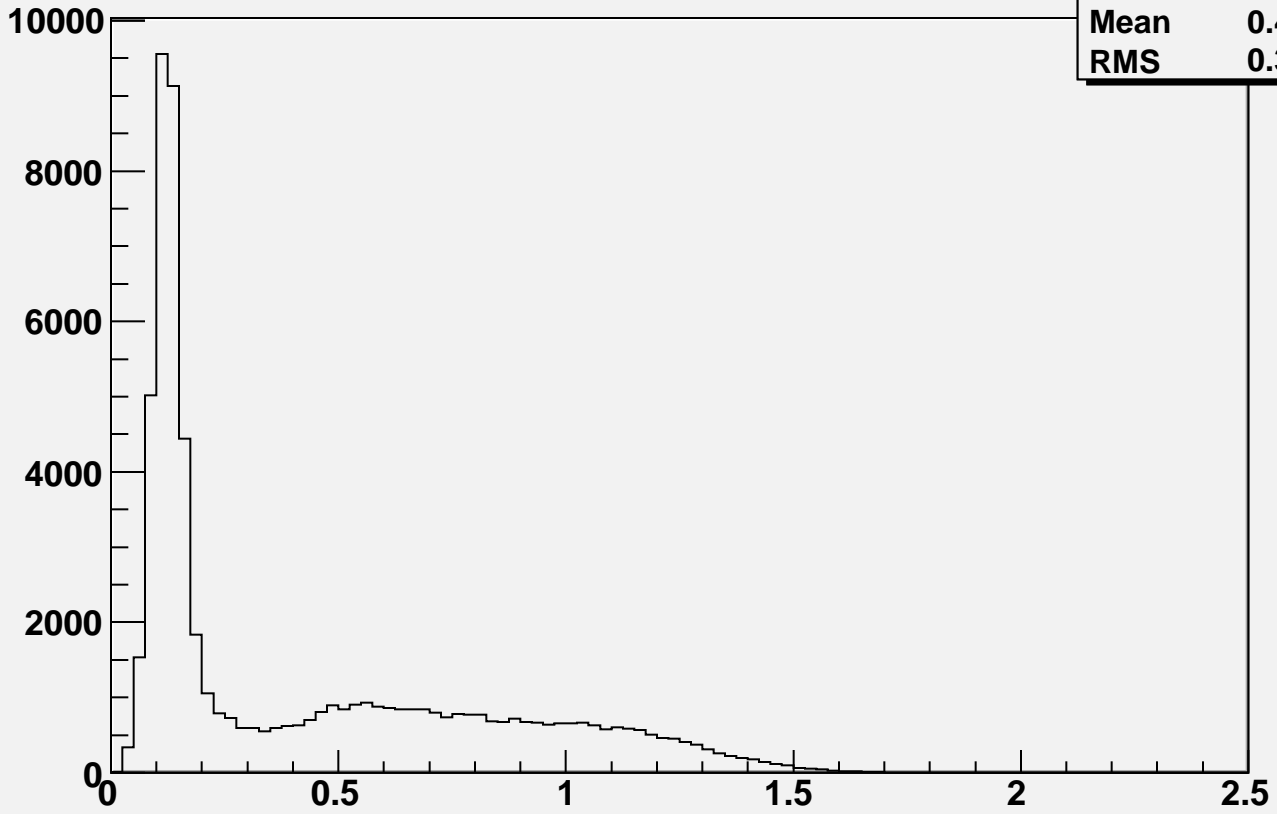
h1	
Entries	26304
Mean	0.4309
RMS	0.3023

$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.400000) < .05$



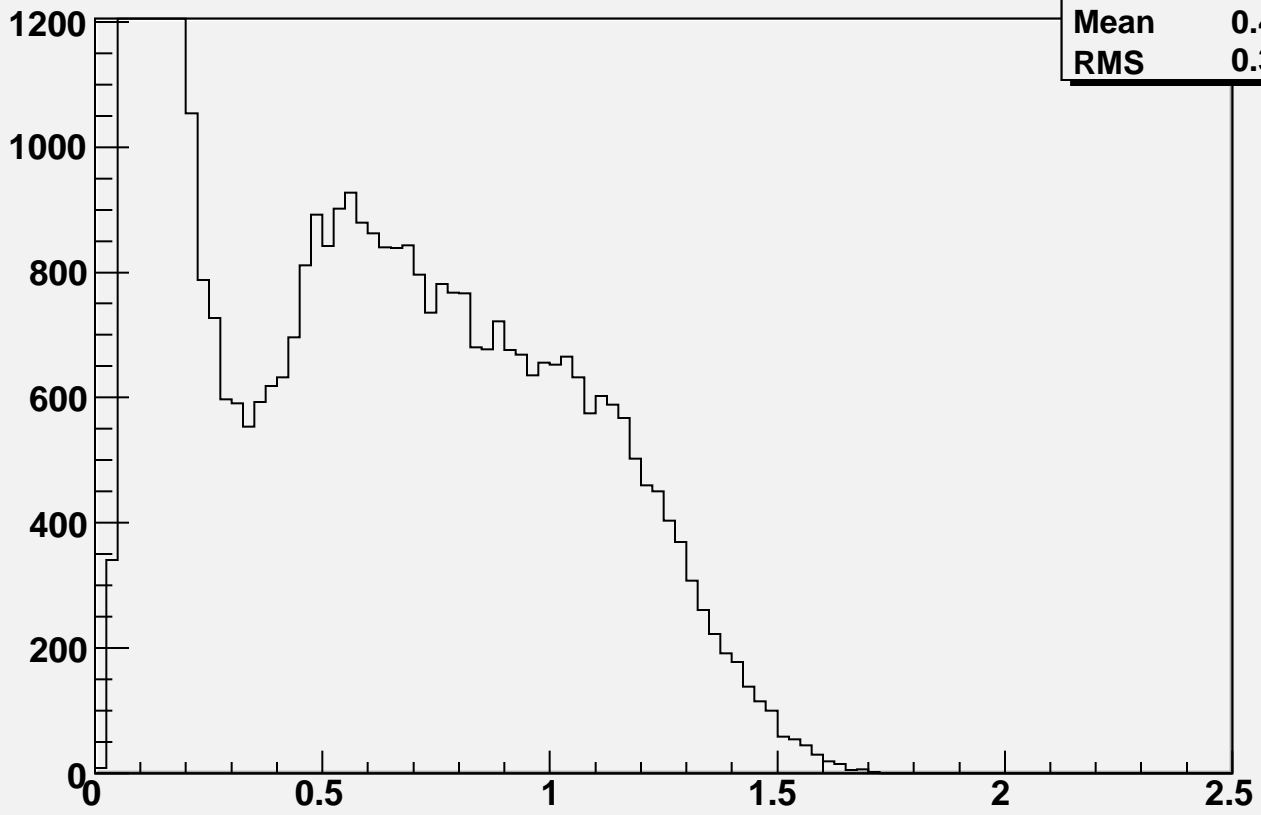
h2	
Entries	26304
Mean	0.4309
RMS	0.3023

$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.400000) < .05$



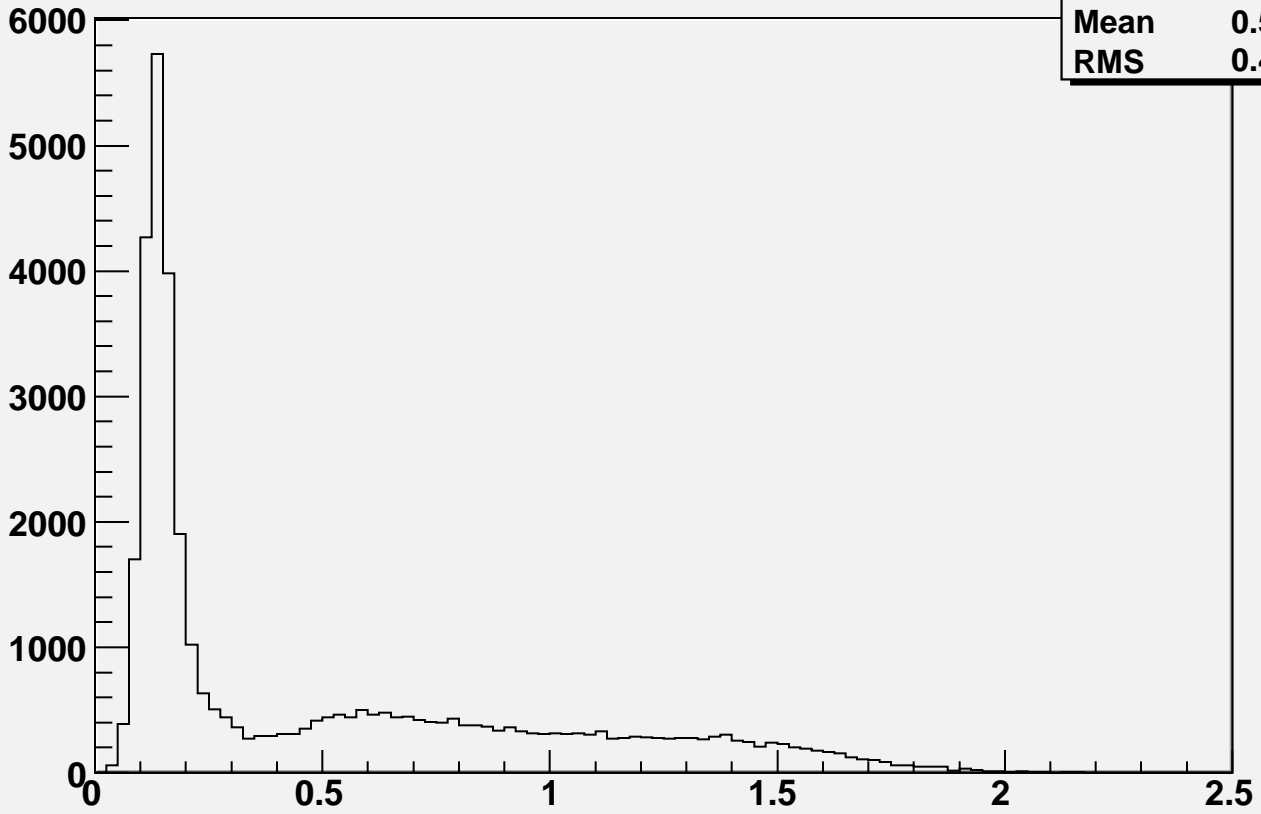
h1	
Entries	64136
Mean	0.4382
RMS	0.3917

$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.400000) < .05$



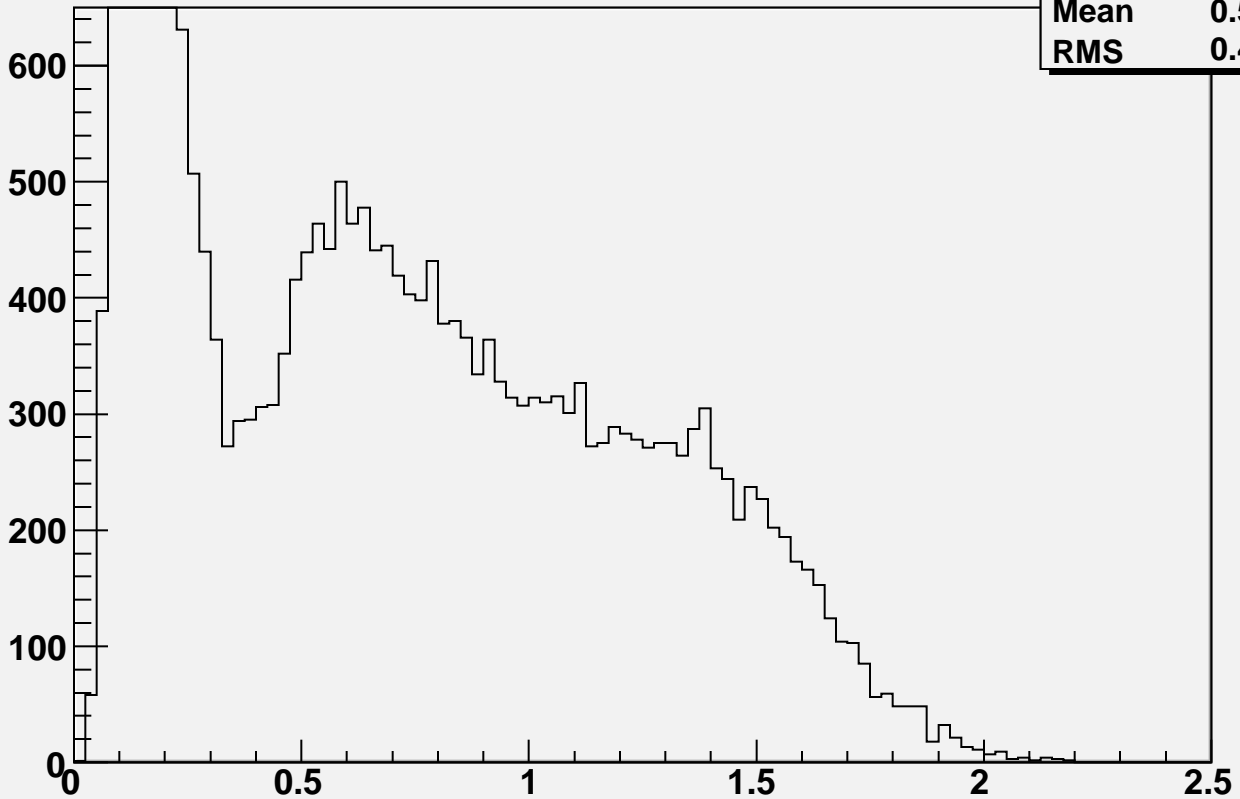
h2	
Entries	64136
Mean	0.4382
RMS	0.3917

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



h1	
Entries	38842
Mean	0.5186
RMS	0.4802

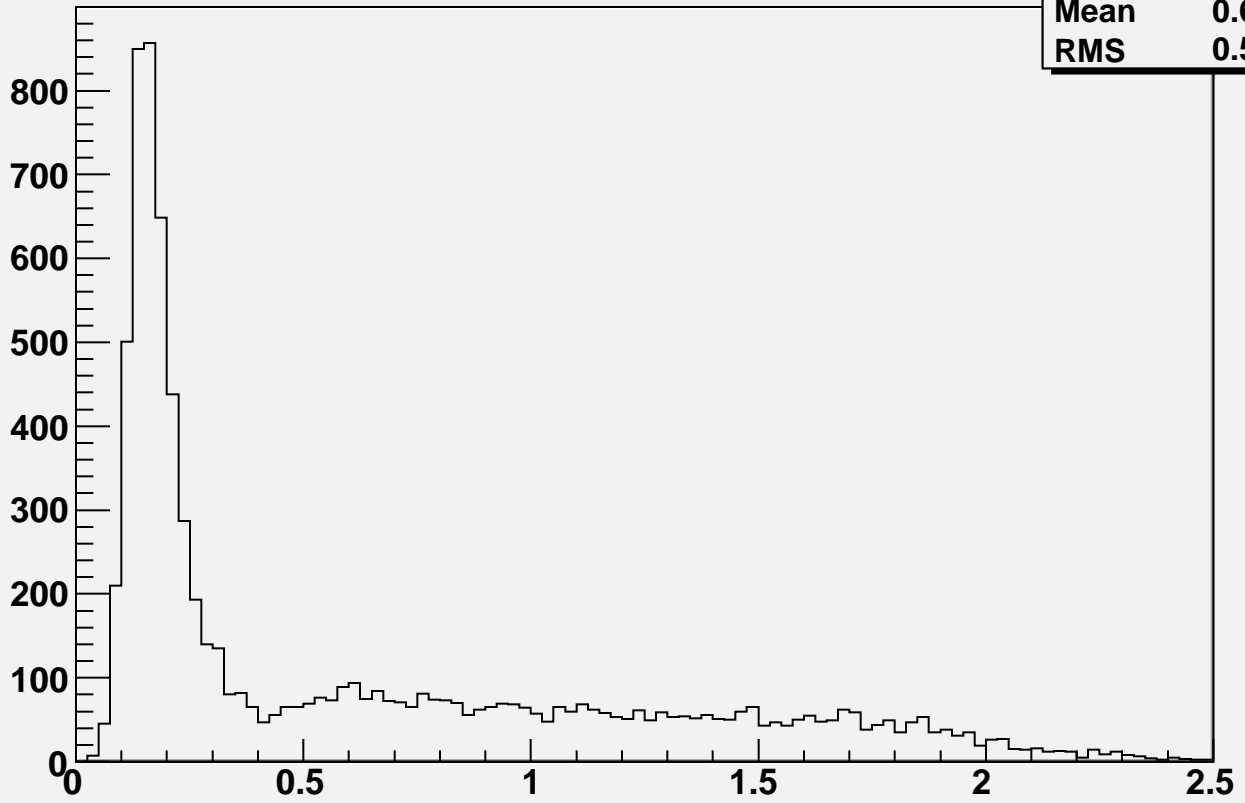
$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 40.000000) < 5. \text{ \& \&abs}(\text{Eta} - 3.400000) < .05$



h2	
Entries	38842
Mean	0.5186
RMS	0.4802

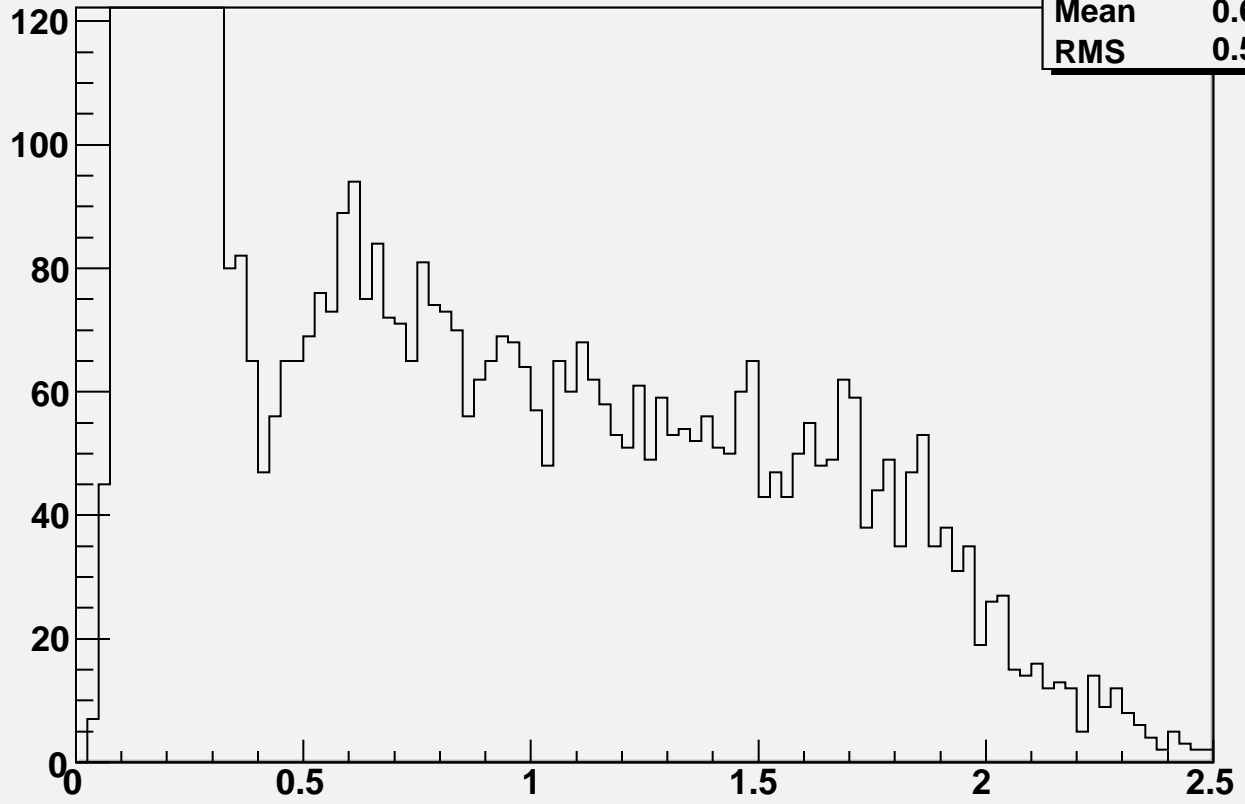
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.400000) < .05$

h1	
Entries	8450
Mean	0.6388
RMS	0.5968



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

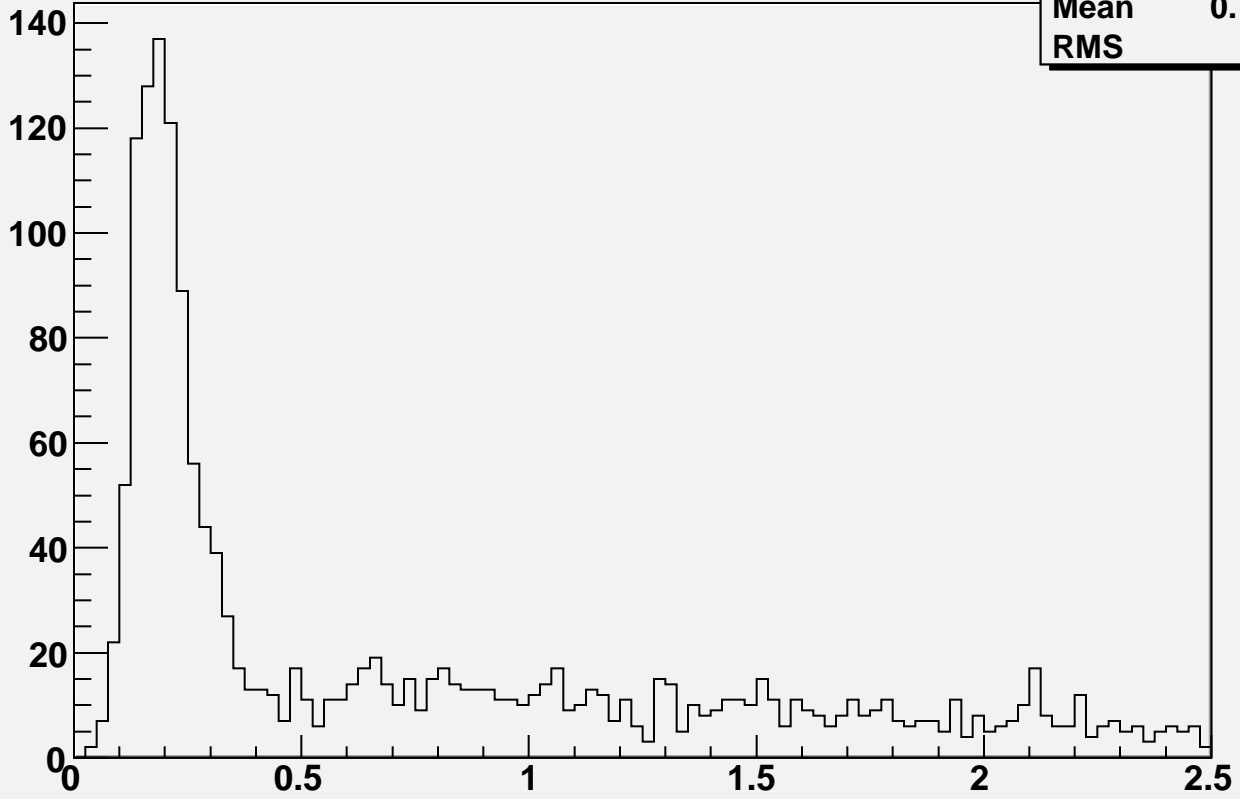
h2	
Entries	8450
Mean	0.6388
RMS	0.5968



$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 60.000000| < 5 \text{ \& \& } |\text{Eta} - 3.400000| < .05$

h1

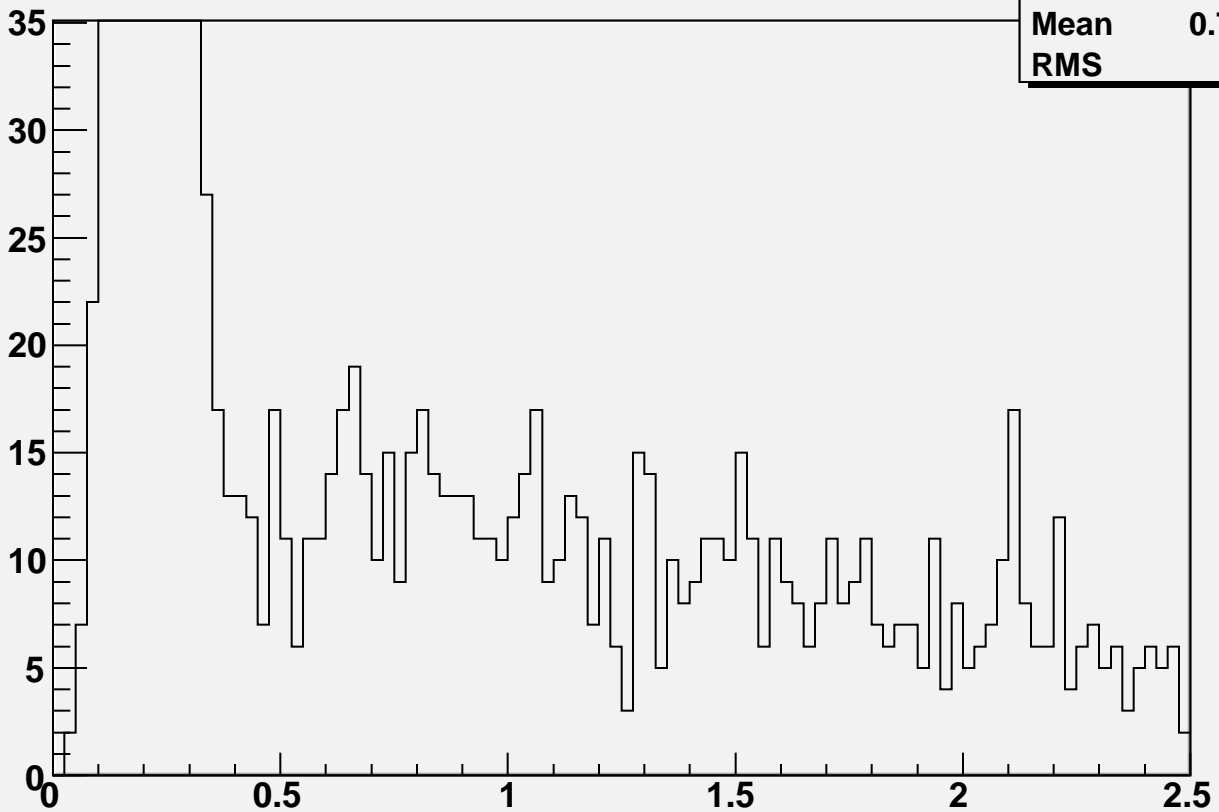
Entries	1717
Mean	0.7314
RMS	0.68



$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 60.000000| < 5 \text{ \& \& } |\text{Eta} - 3.400000| < .05$

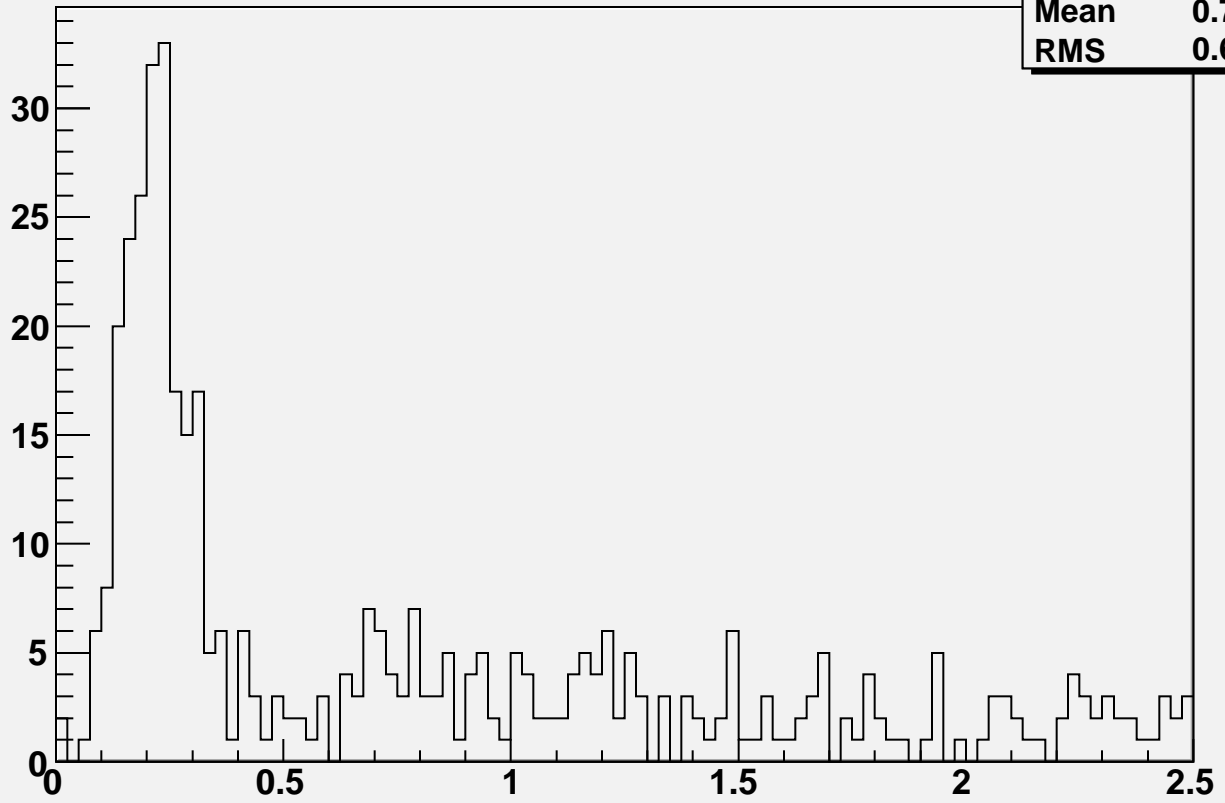
h2

Entries	1717
Mean	0.7314
RMS	0.68



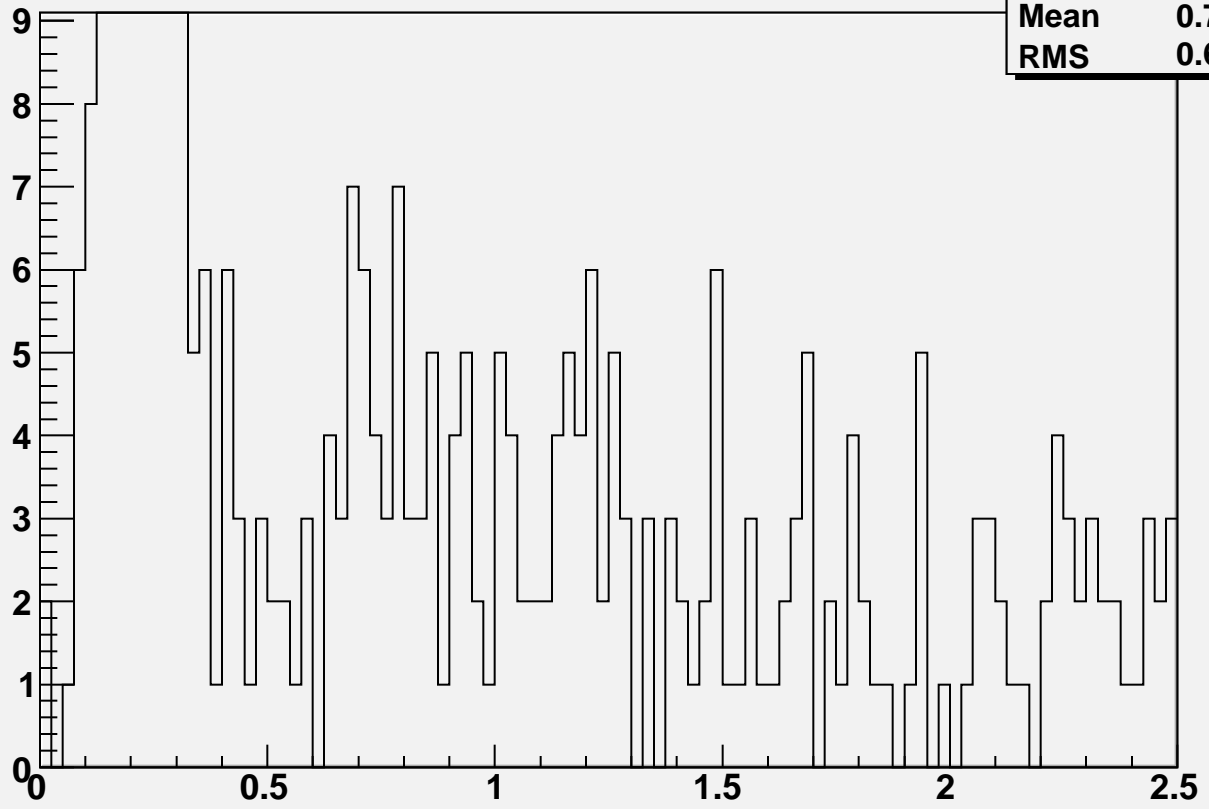
$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 70.000000) < 5. \text{ \& \&abs}(\text{Eta} - 3.400000) < .05$

h1	
Entries	466
Mean	0.7645
RMS	0.6935



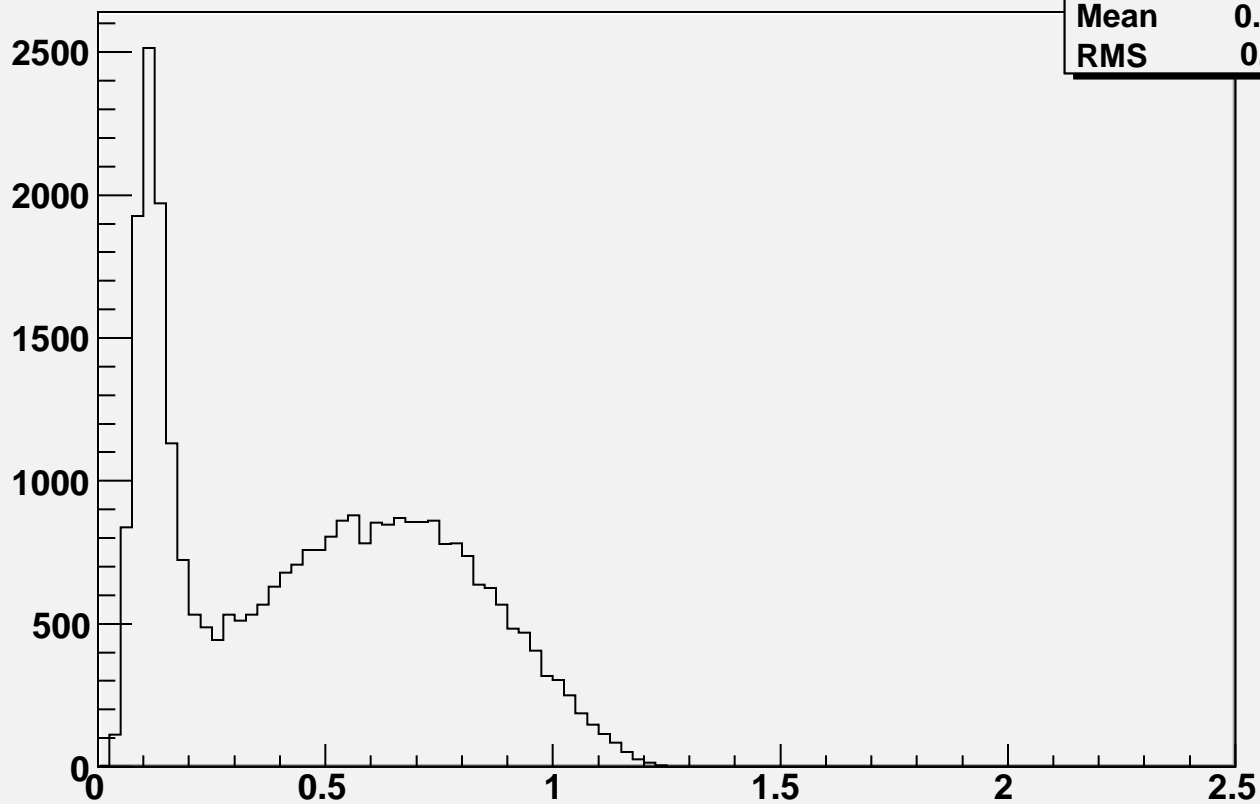
$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 70.000000) < 5. \text{ \& \&abs}(\text{Eta} - 3.400000) < .05$

h2	
Entries	466
Mean	0.7645
RMS	0.6935



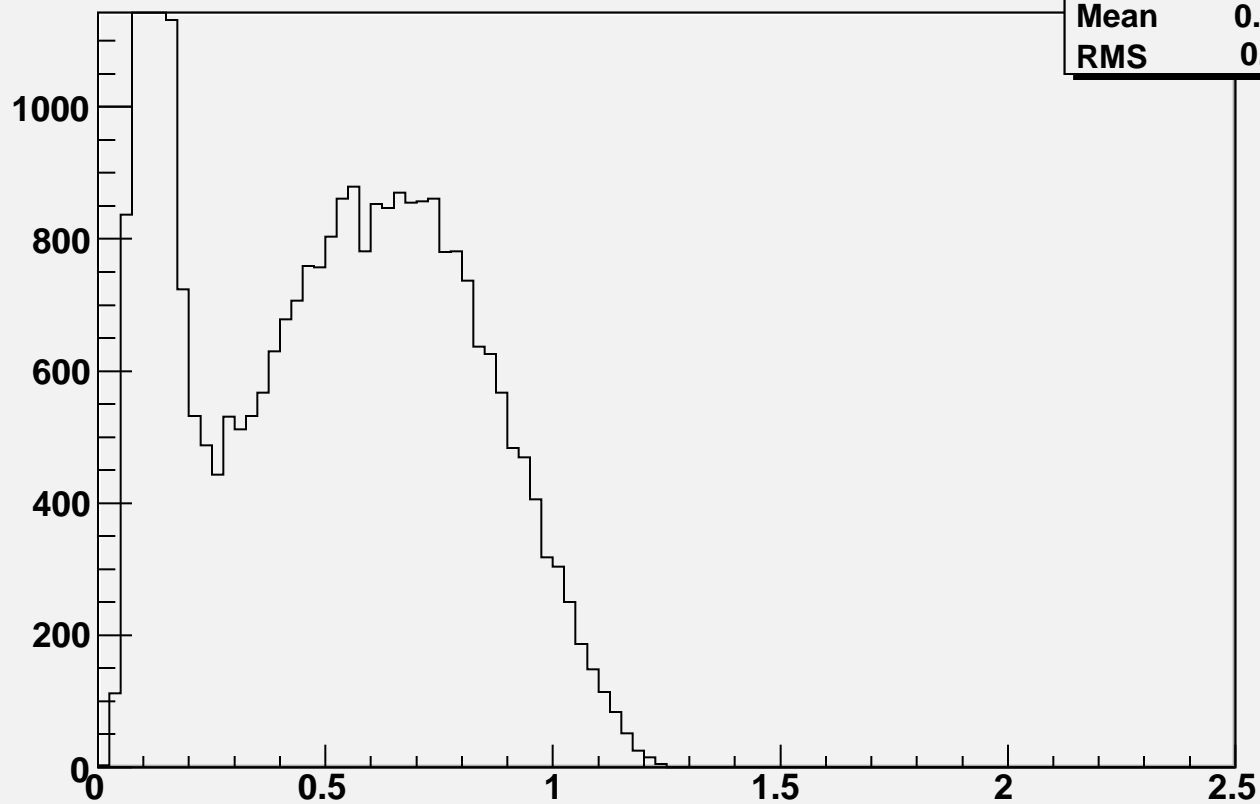
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.300000) < .05$

h1	
Entries	31812
Mean	0.4787
RMS	0.2991

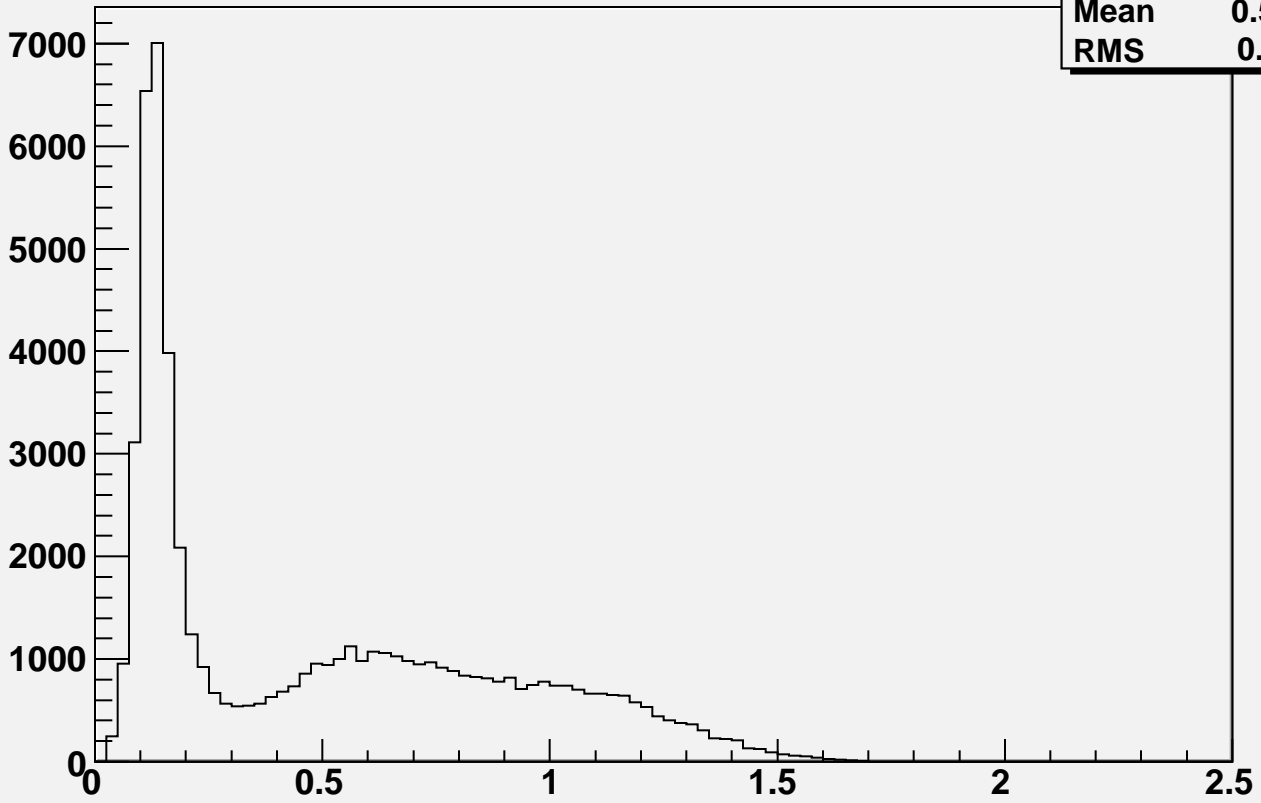


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.300000) < .05$

h2	
Entries	31812
Mean	0.4787
RMS	0.2991

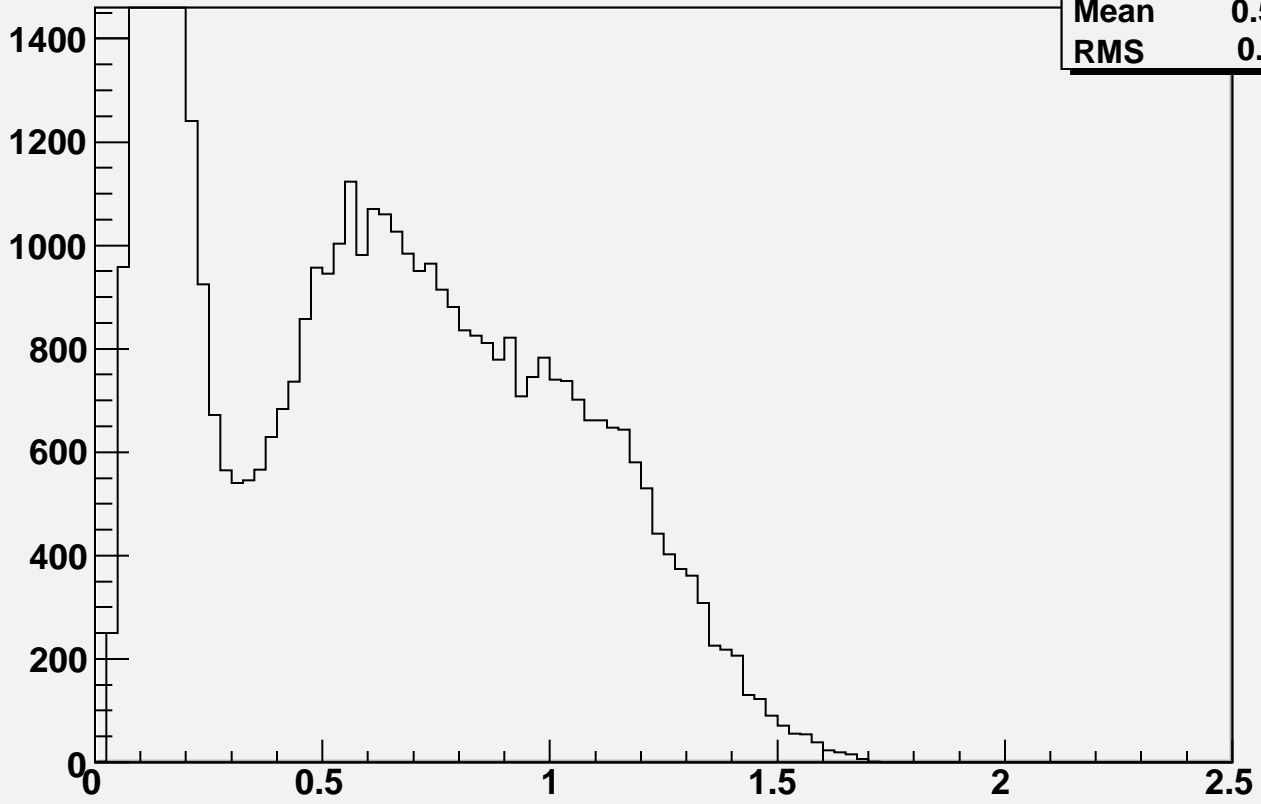


$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 30.000000) < 5. \text{ \& \&abs}(\text{Eta} - 3.300000) < .05$



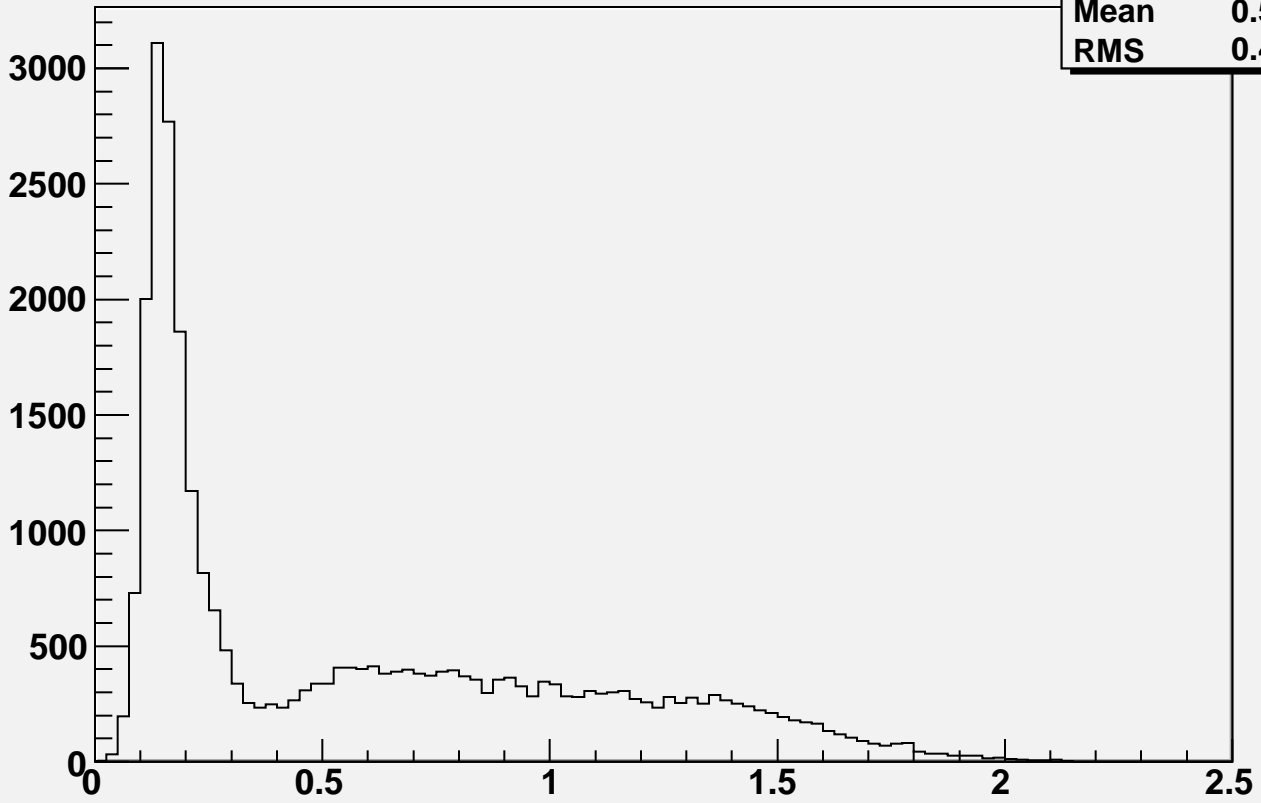
h1	
Entries	60140
Mean	0.5045
RMS	0.3971

$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 30.000000) < 5. \text{ \& \&abs}(\text{Eta} - 3.300000) < .05$



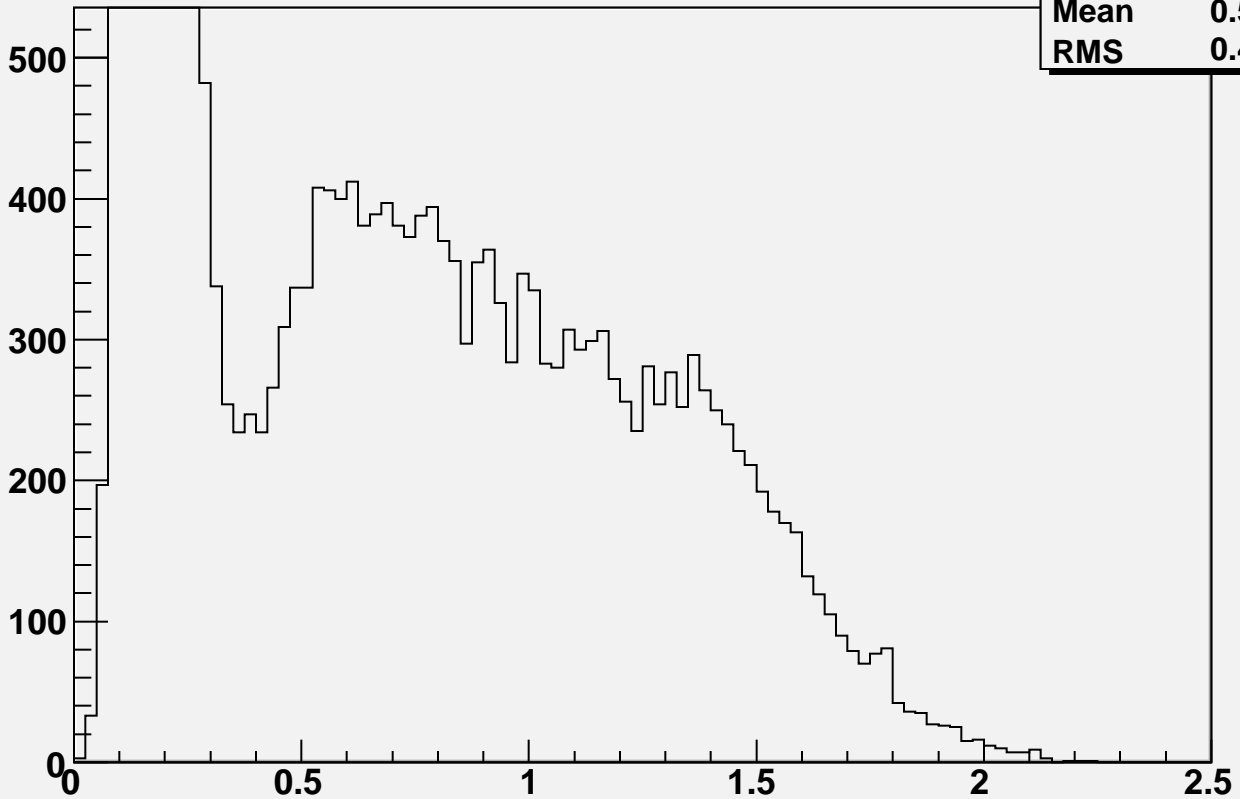
h2	
Entries	60140
Mean	0.5045
RMS	0.3971

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



h1	
Entries	30547
Mean	0.5958
RMS	0.4905

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

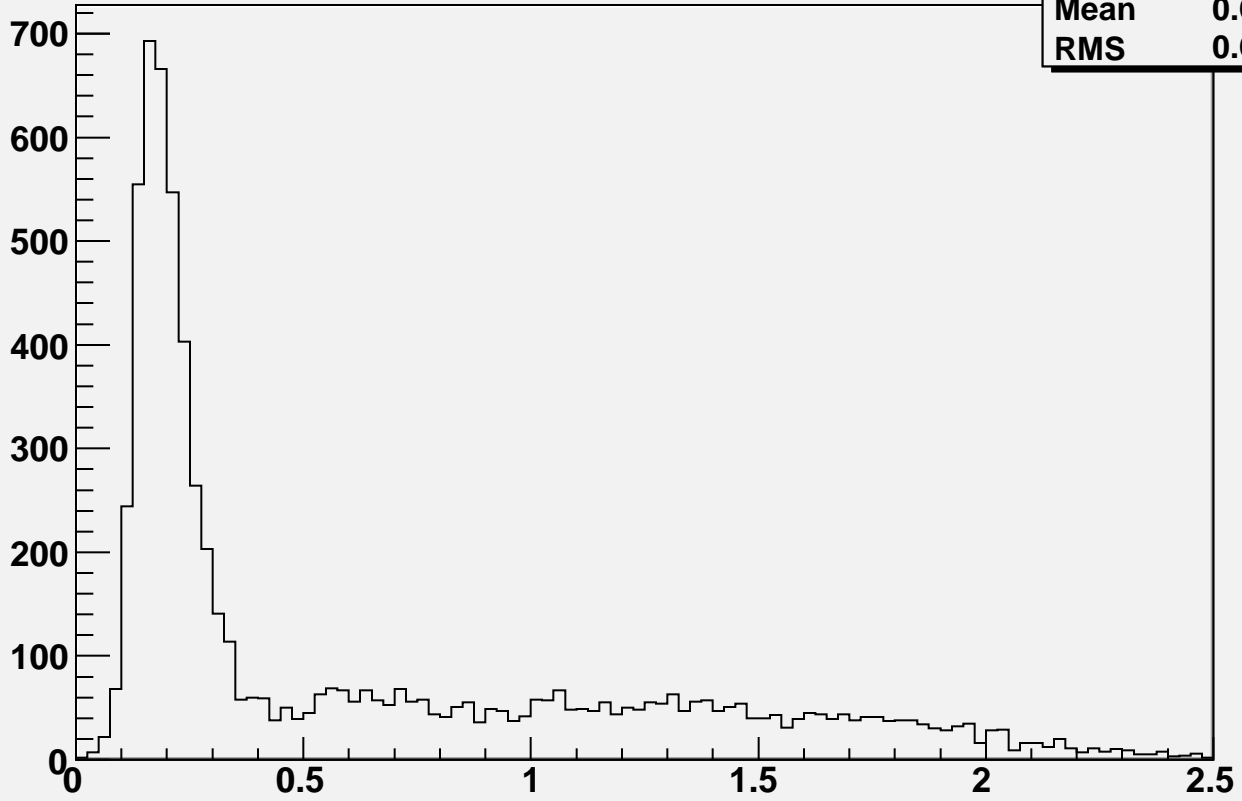


h2	
Entries	30547
Mean	0.5958
RMS	0.4905

$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 50.000000) < 5. \text{ \& \& abs}(\text{Eta} - 3.300000) < .05$

h1

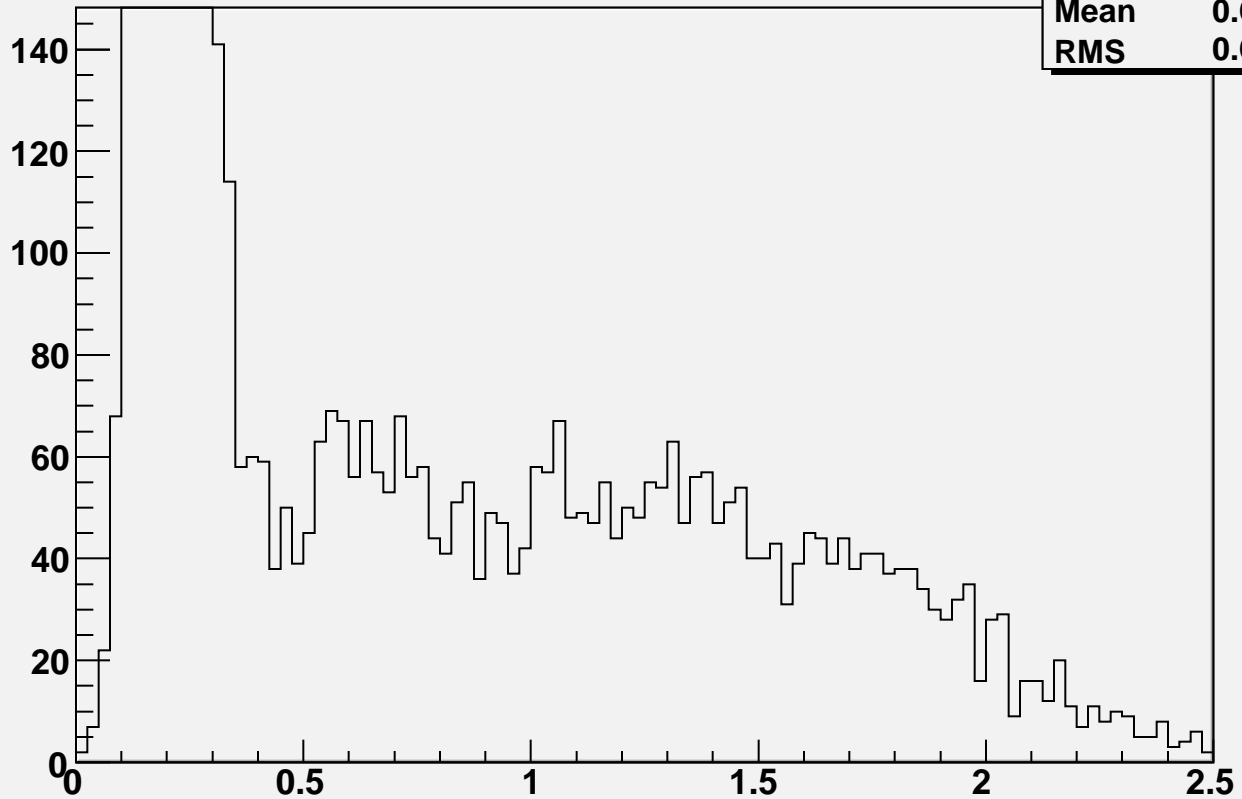
Entries	7297
Mean	0.6478
RMS	0.6019



$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 50.000000) < 5. \text{ \& \& abs}(\text{Eta} - 3.300000) < .05$

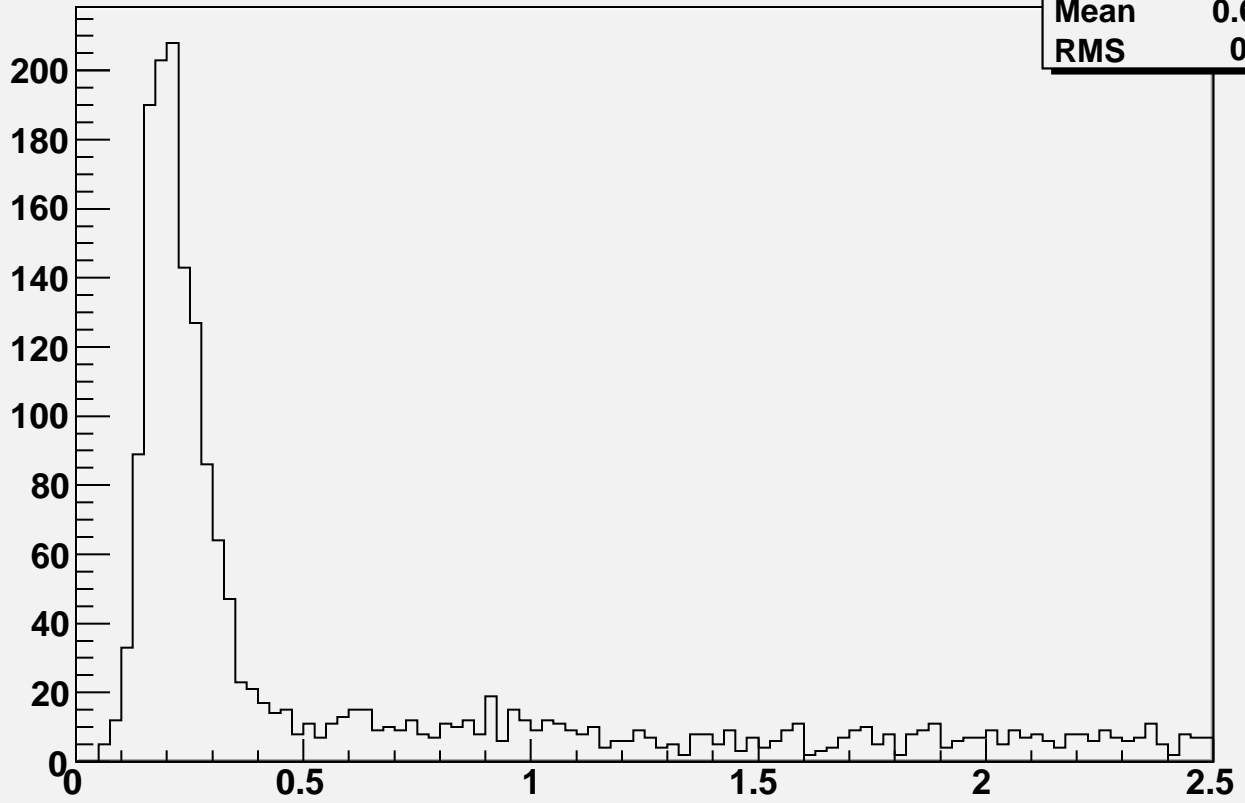
h2

Entries	7297
Mean	0.6478
RMS	0.6019



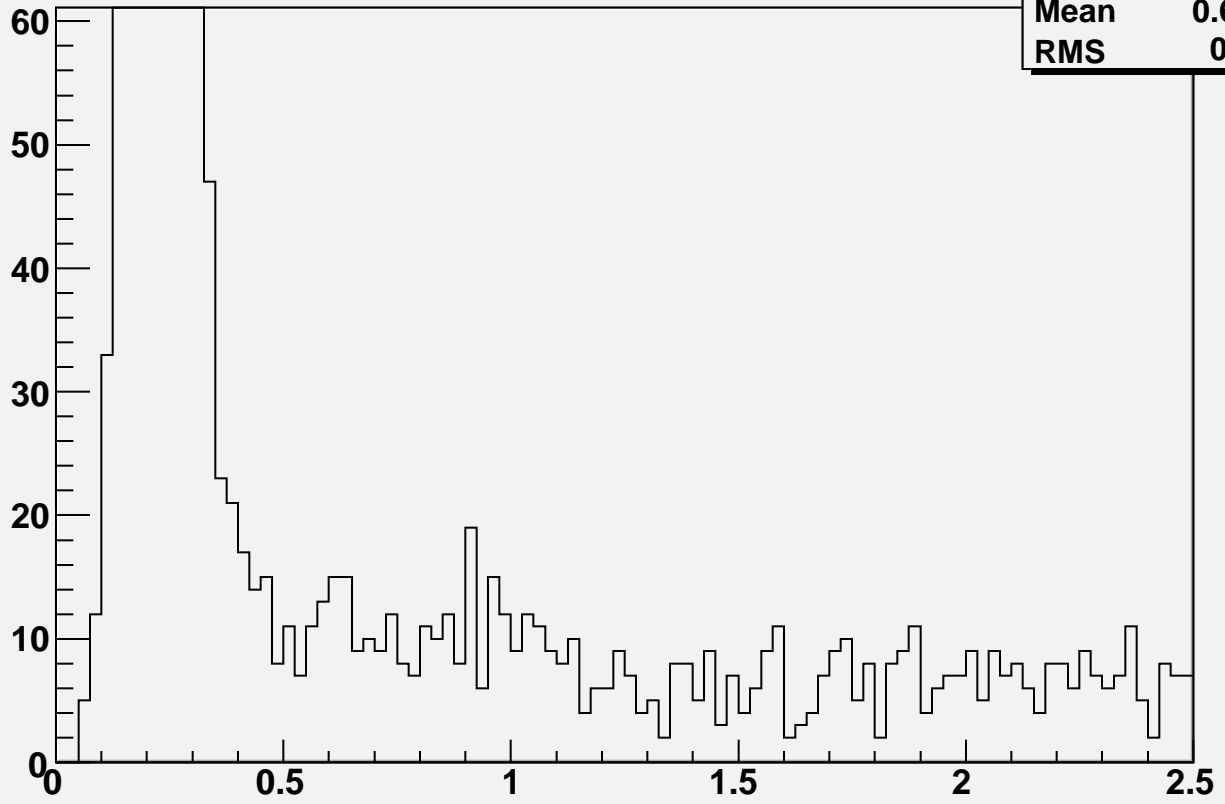
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } |\text{E}_{12} - 60.000000| < 5 \text{ \&\& } |\text{Eta} - 3.300000| < .05$

h1	
Entries	2004
Mean	0.6099
RMS	0.648



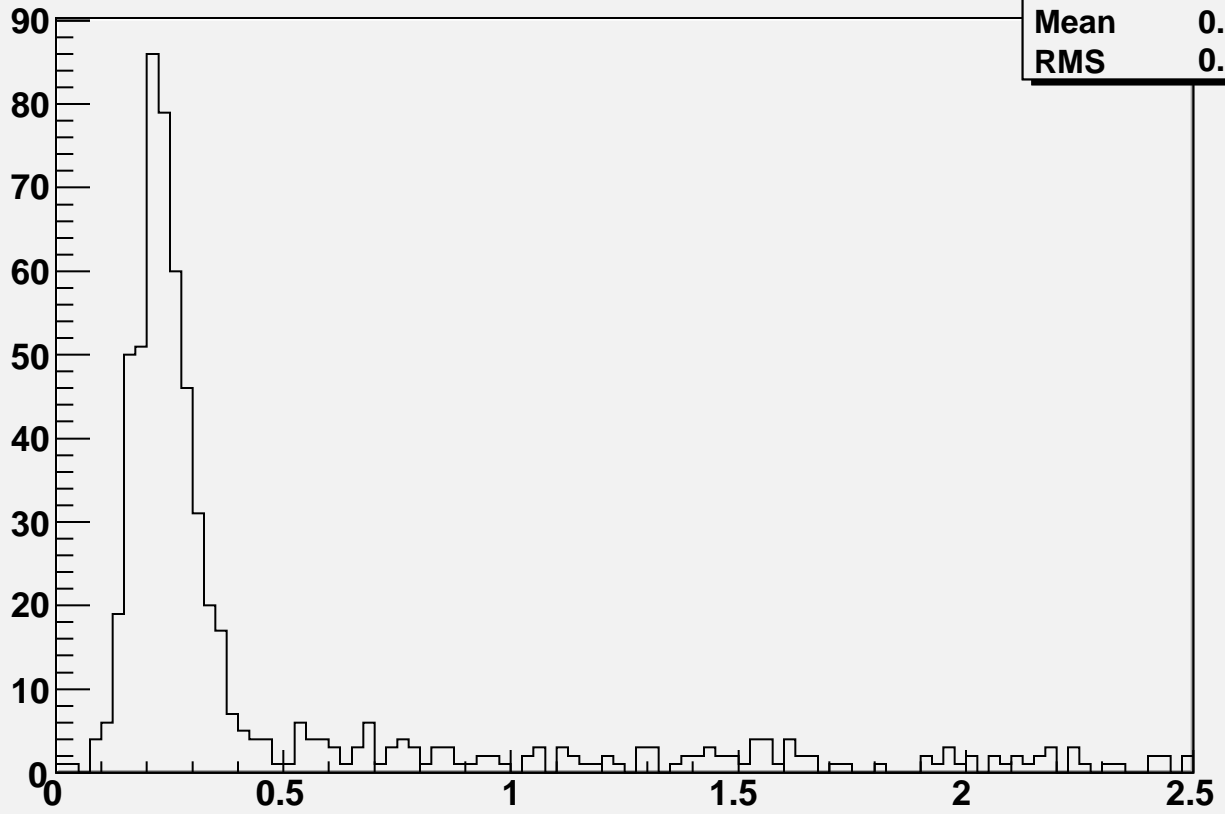
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } |\text{E}_{12} - 60.000000| < 5 \text{ \&\& } |\text{Eta} - 3.300000| < .05$

h2	
Entries	2004
Mean	0.6099
RMS	0.648



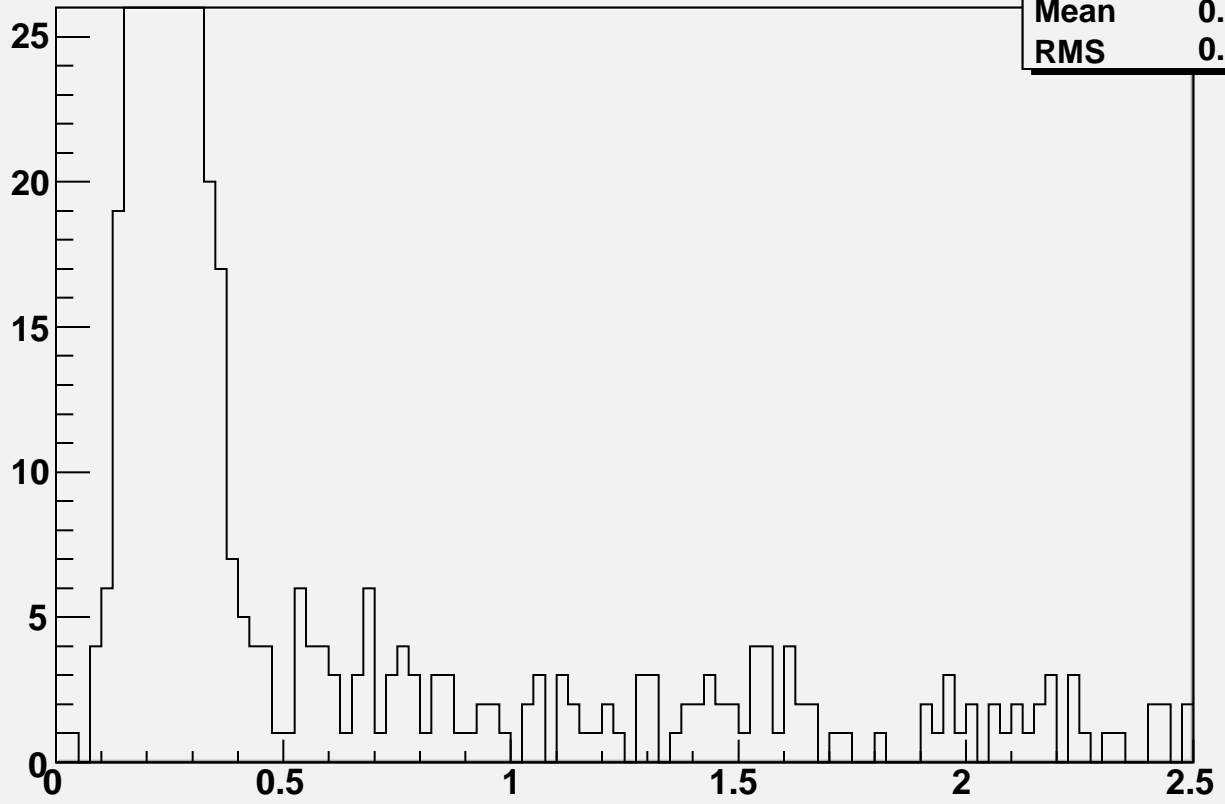
$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 70.000000) < 5. \text{ \& \& abs}(\text{Eta} - 3.300000) < .05$

h1	
Entries	691
Mean	0.4781
RMS	0.5261

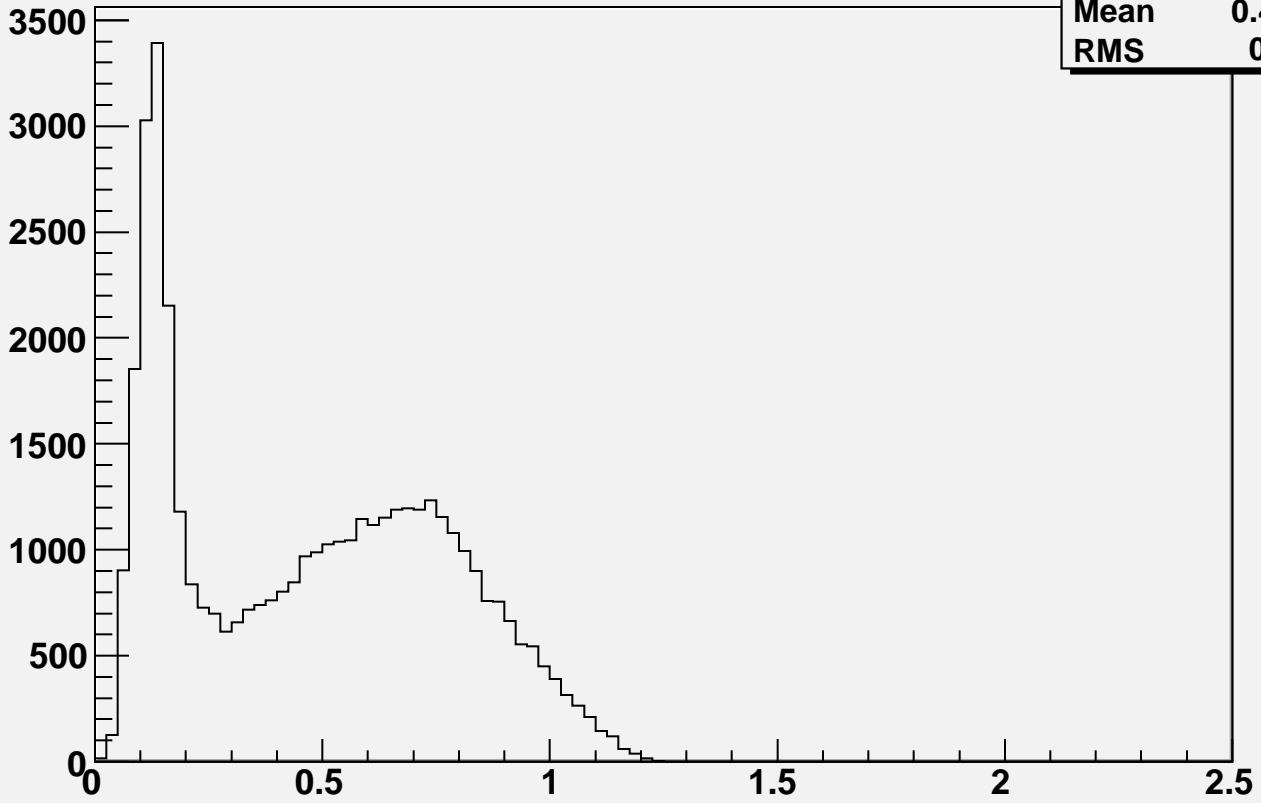


$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 70.000000) < 5. \text{ \& \& abs}(\text{Eta} - 3.300000) < .05$

h2	
Entries	691
Mean	0.4781
RMS	0.5261

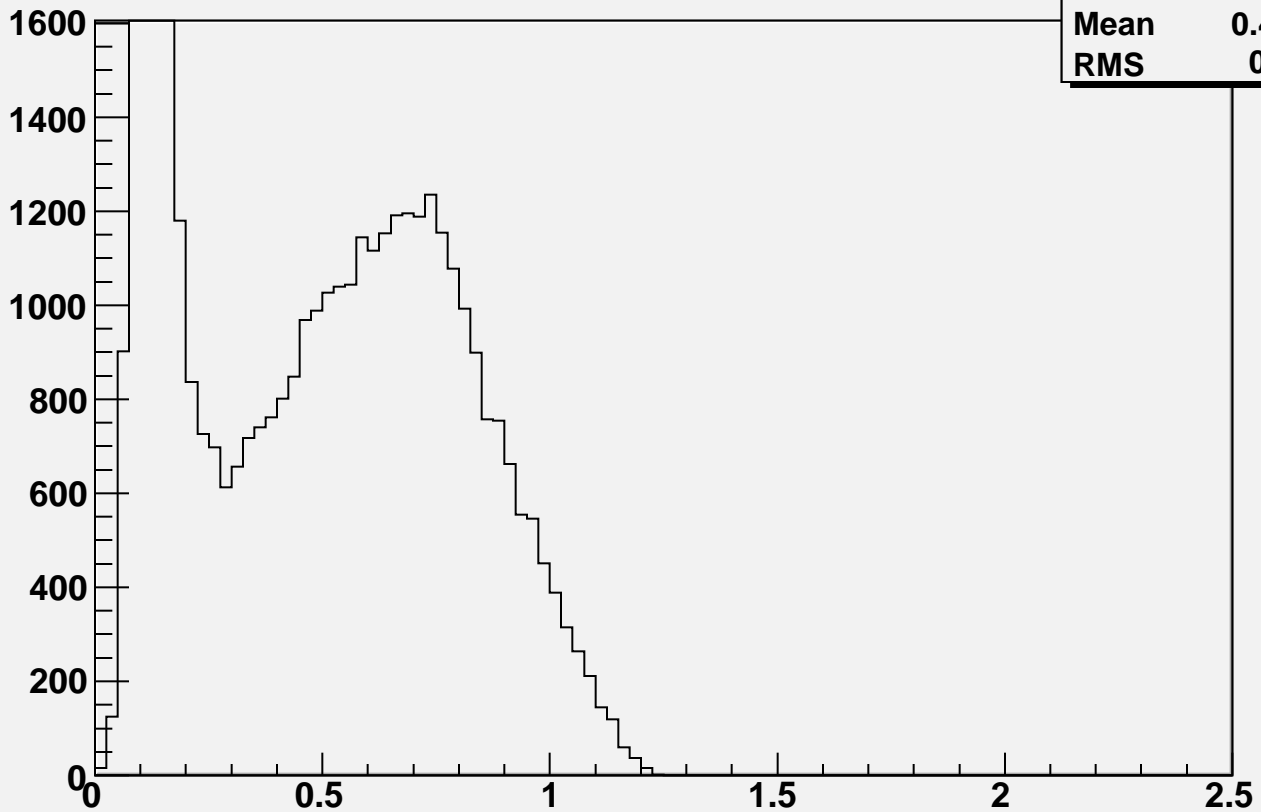


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.200000) < .05$



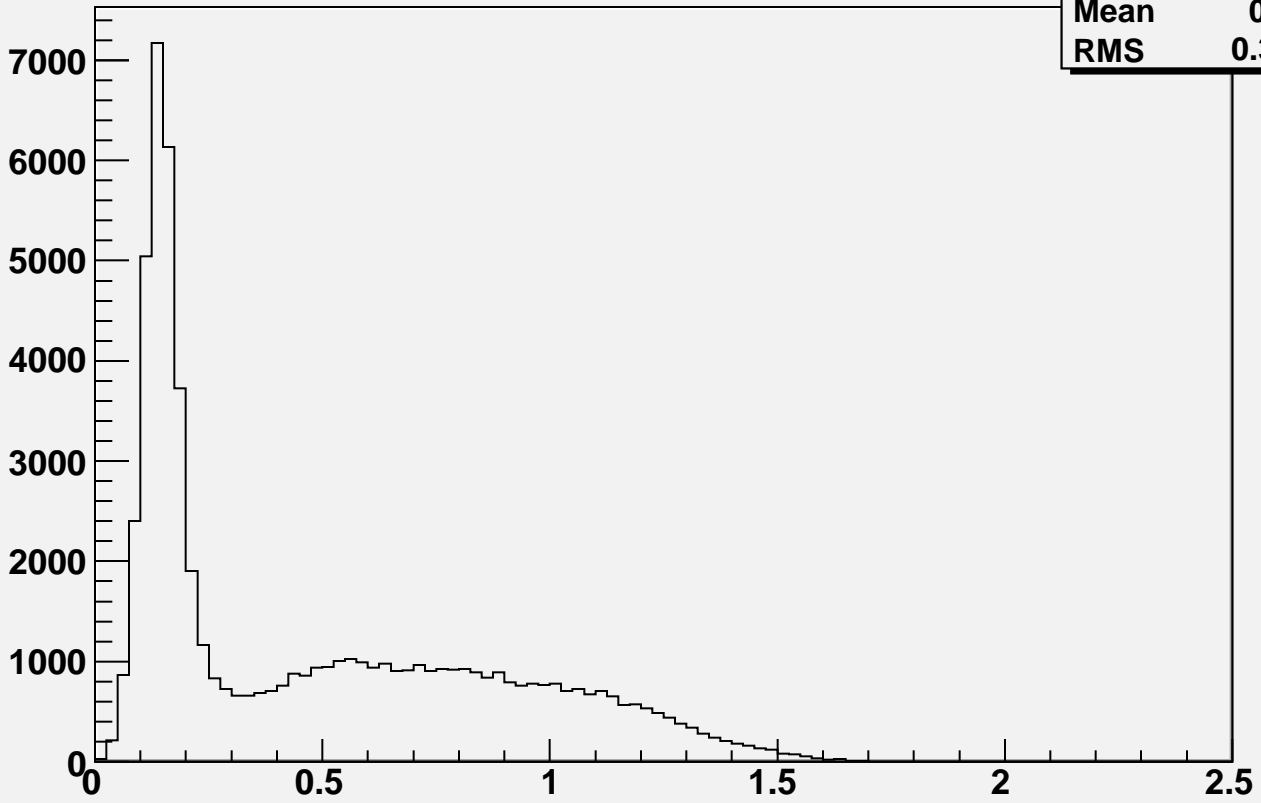
h1	
Entries	42748
Mean	0.4785
RMS	0.298

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



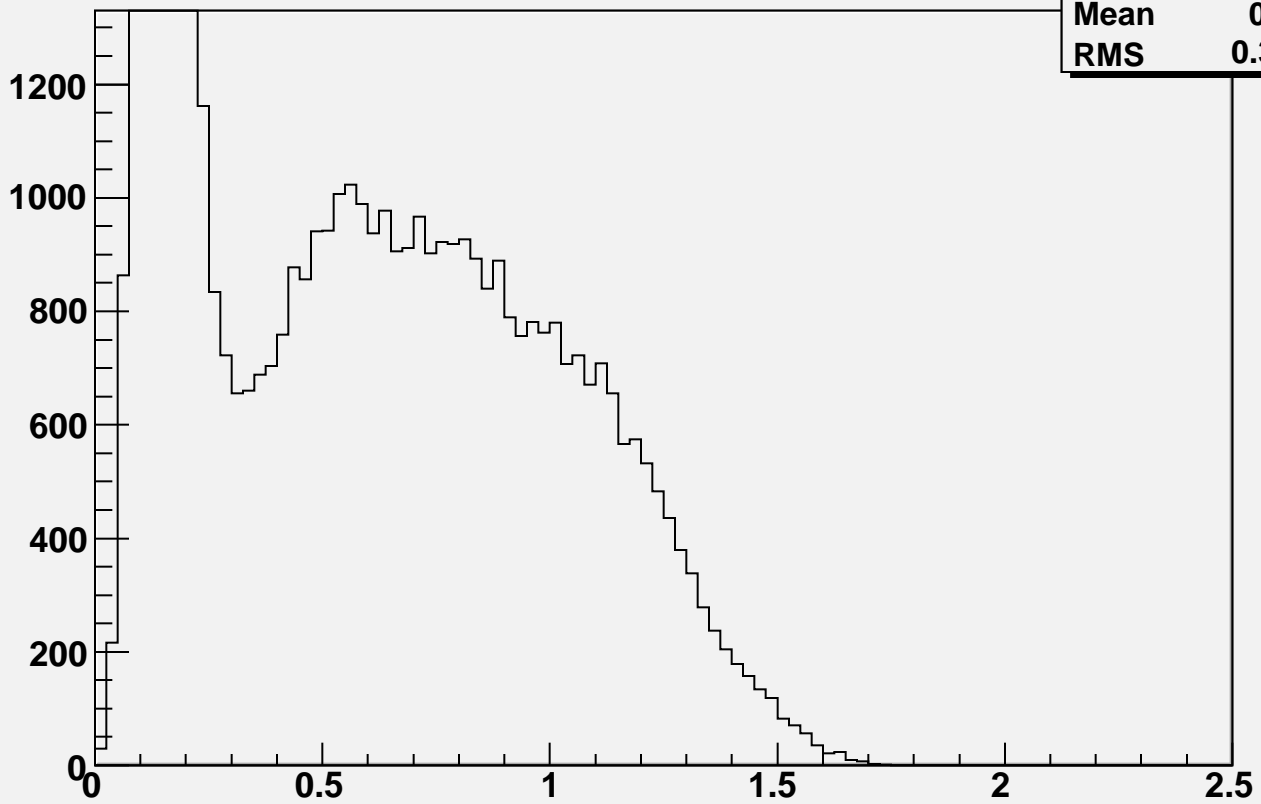
h2	
Entries	42748
Mean	0.4785
RMS	0.298

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



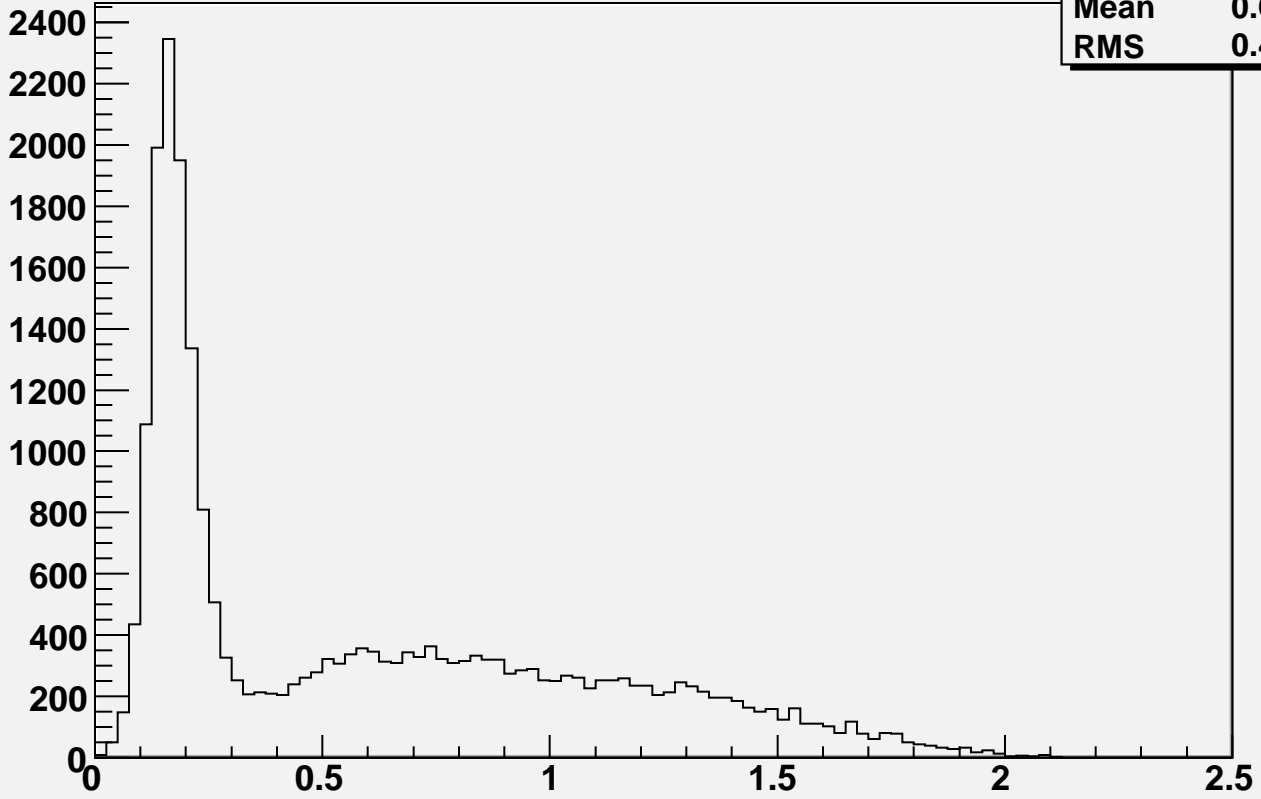
h1	
Entries	63551
Mean	0.494
RMS	0.3916

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



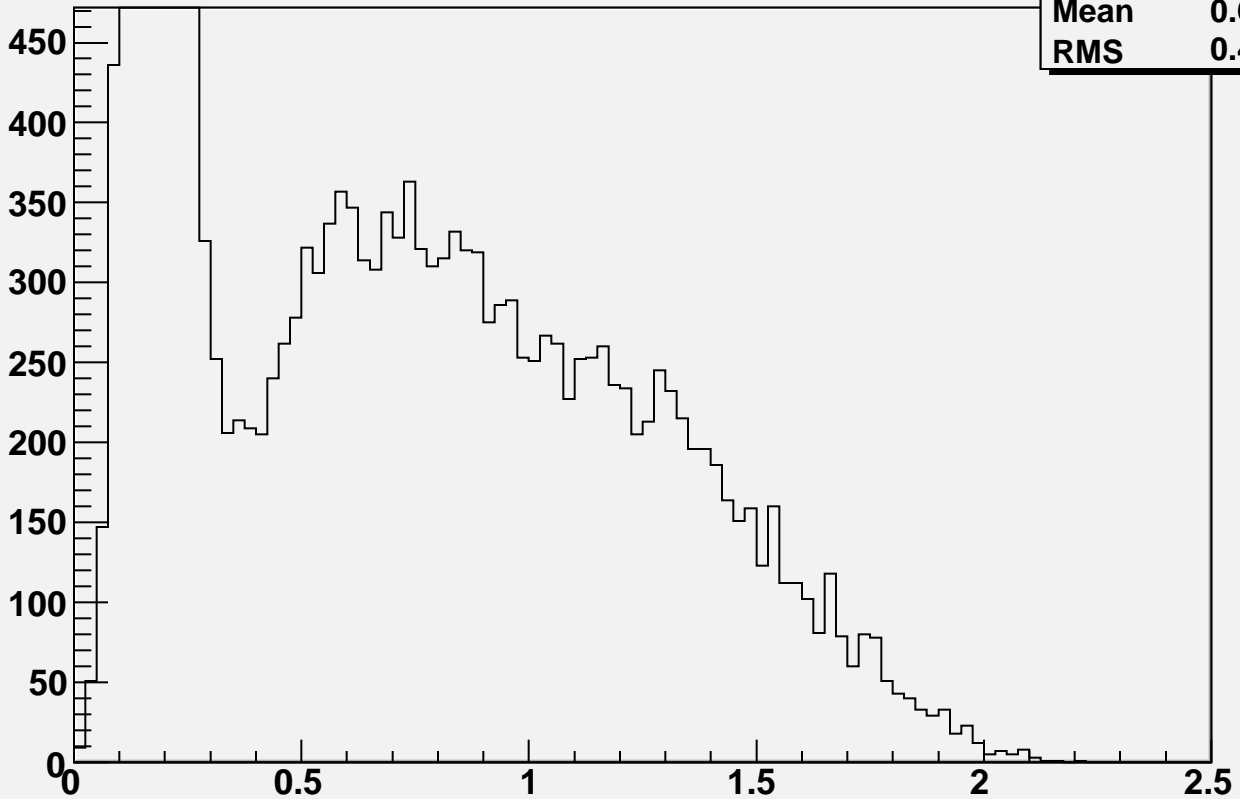
h2	
Entries	63551
Mean	0.494
RMS	0.3916

$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.200000) < .05$



h1	
Entries	25030
Mean	0.6055
RMS	0.4847

$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.200000) < .05$

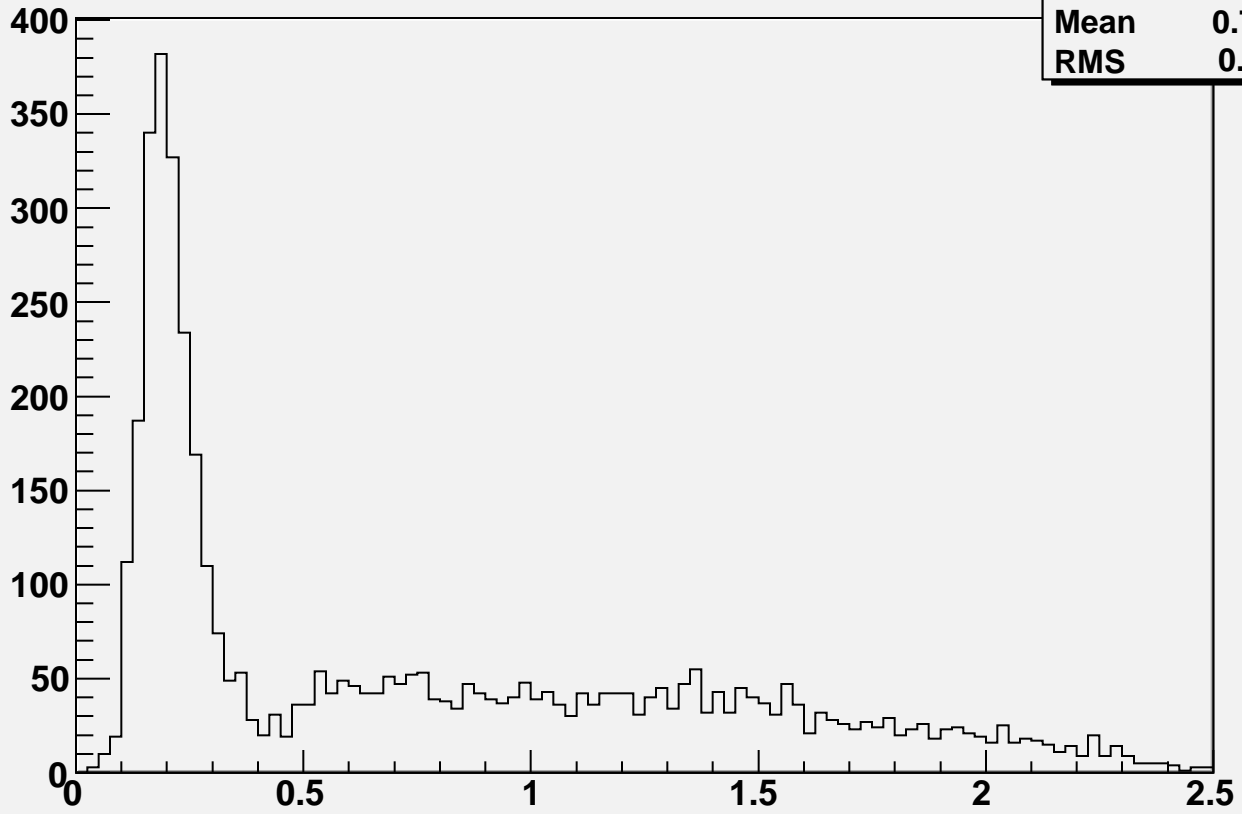


h2	
Entries	25030
Mean	0.6055
RMS	0.4847

$N_{12} = 2 \times Z < 0.7 \times |\epsilon_{12} - 50.000000| < 5 \times |\epsilon - 3.200000| < 0.05$

h1

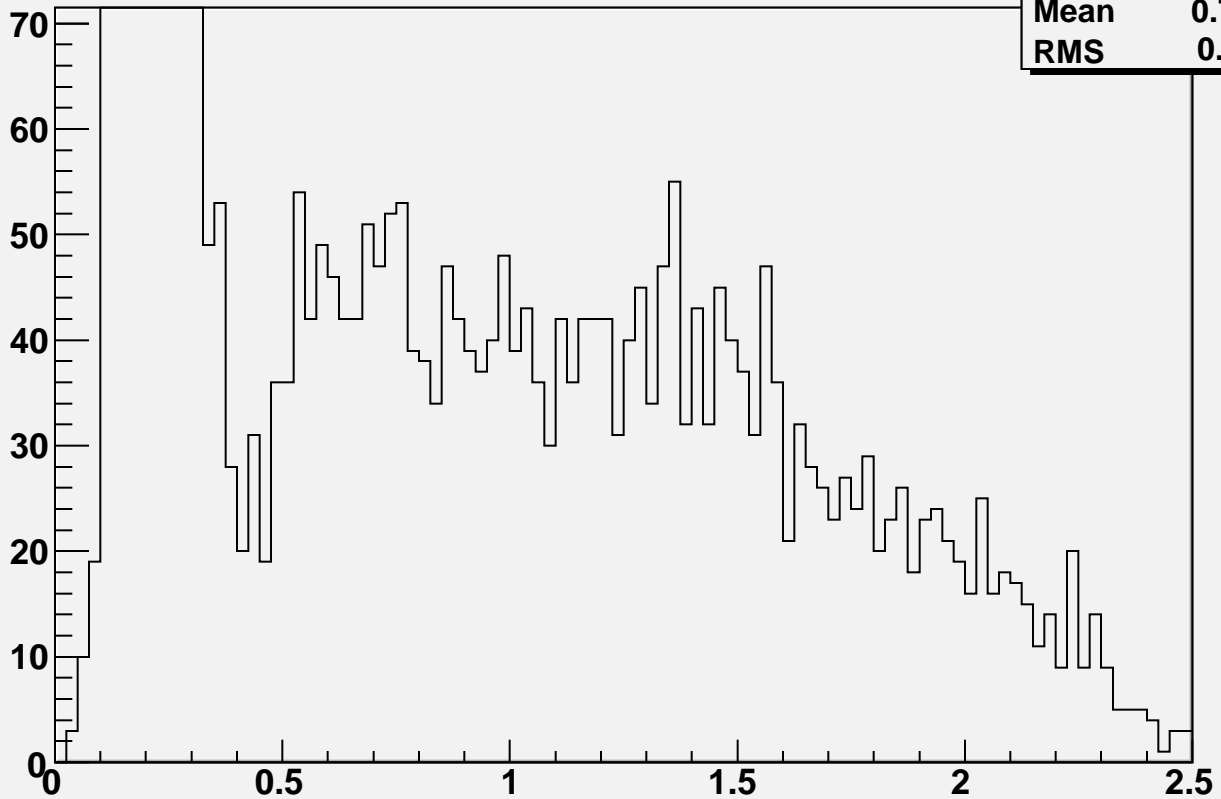
Entries	4645
Mean	0.7637
RMS	0.6291



$N_{12} = 2 \times Z < 0.7 \times |\epsilon_{12} - 50.000000| < 5 \times |\epsilon - 3.200000| < 0.05$

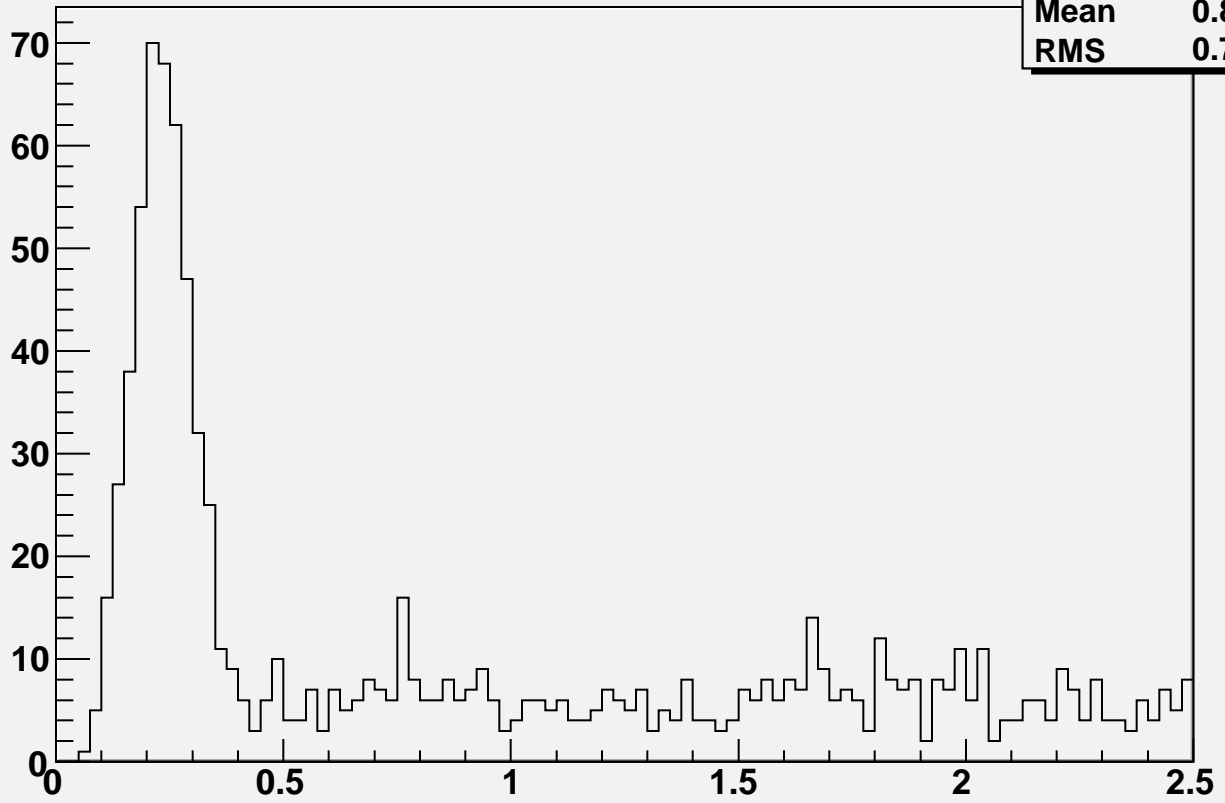
h2

Entries	4645
Mean	0.7637
RMS	0.6291



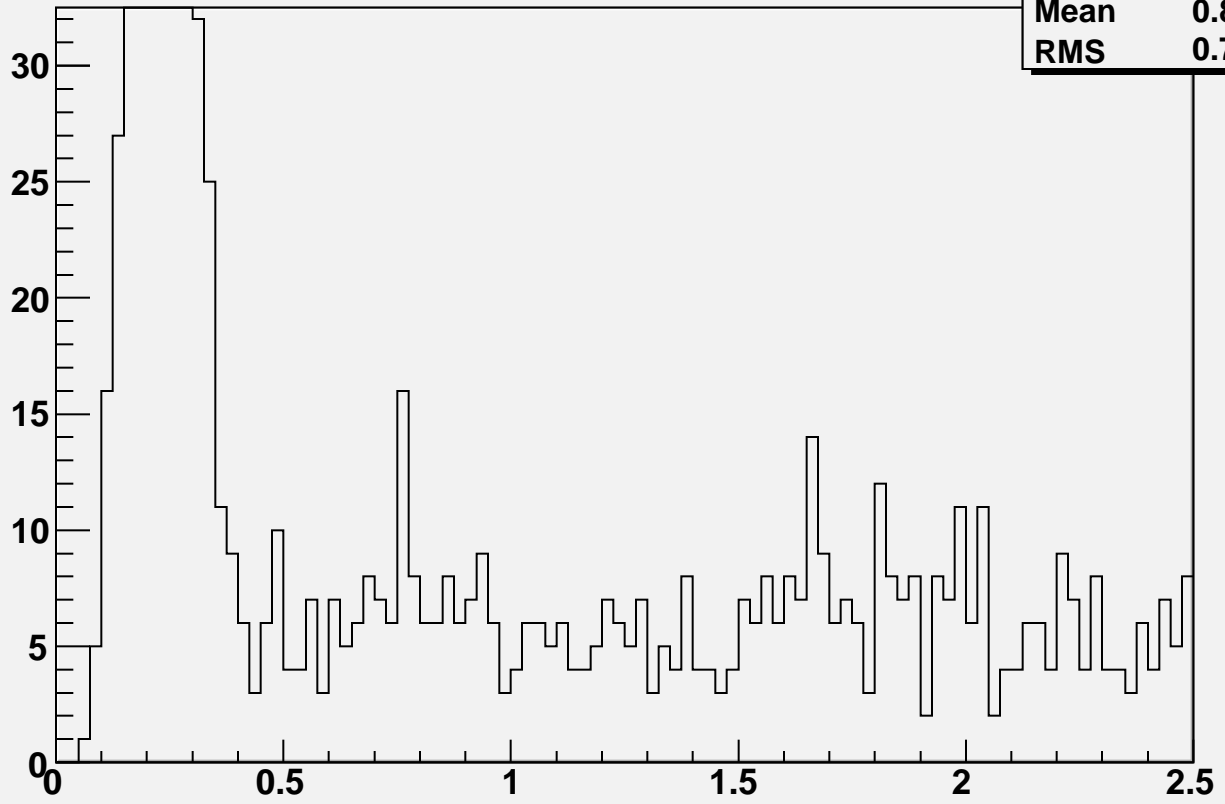
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } |\text{E}_{12} - 60.000000| < 5 \text{ \&\& } |\text{Eta} - 3.200000| < .05$

h1	
Entries	1050
Mean	0.8733
RMS	0.7465



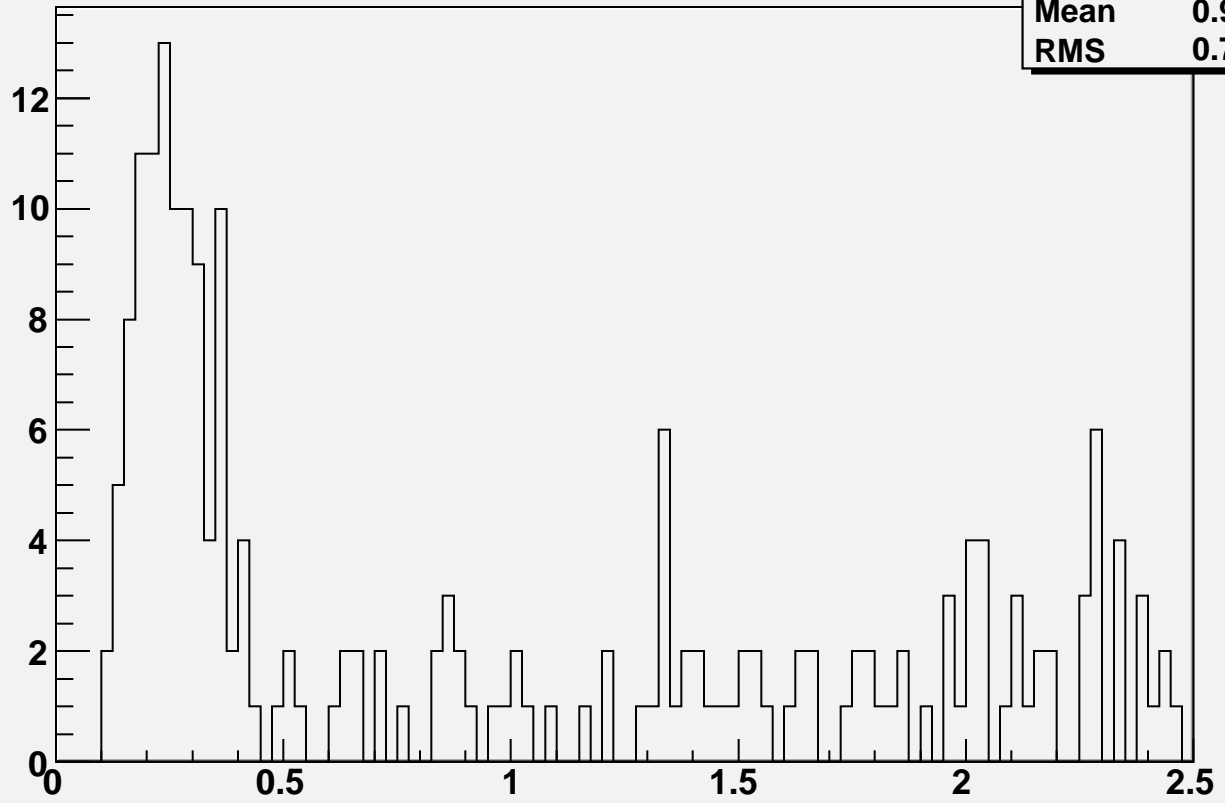
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } |\text{E}_{12} - 60.000000| < 5 \text{ \&\& } |\text{Eta} - 3.200000| < .05$

h2	
Entries	1050
Mean	0.8733
RMS	0.7465



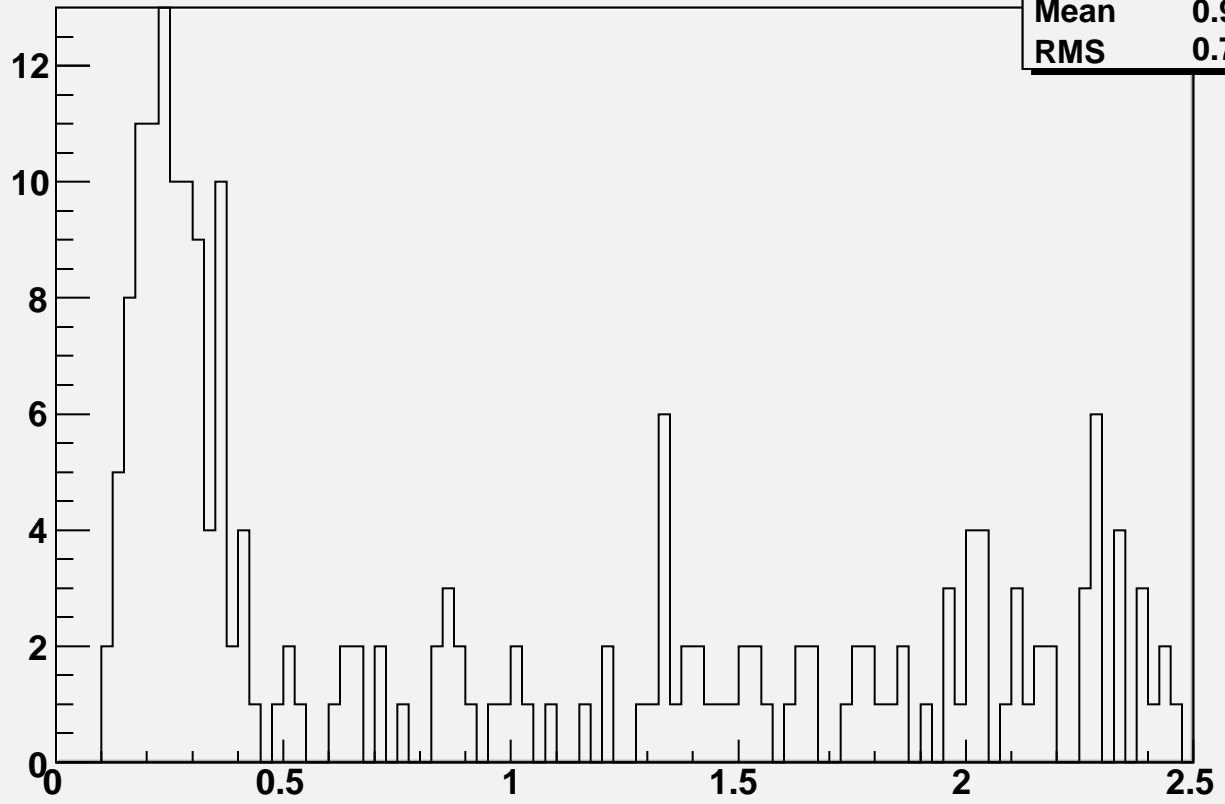
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 70.000000) < 5 \&\& \text{abs}(\text{Eta} - 3.200000) < .05$

h1	
Entries	271
Mean	0.9515
RMS	0.7922



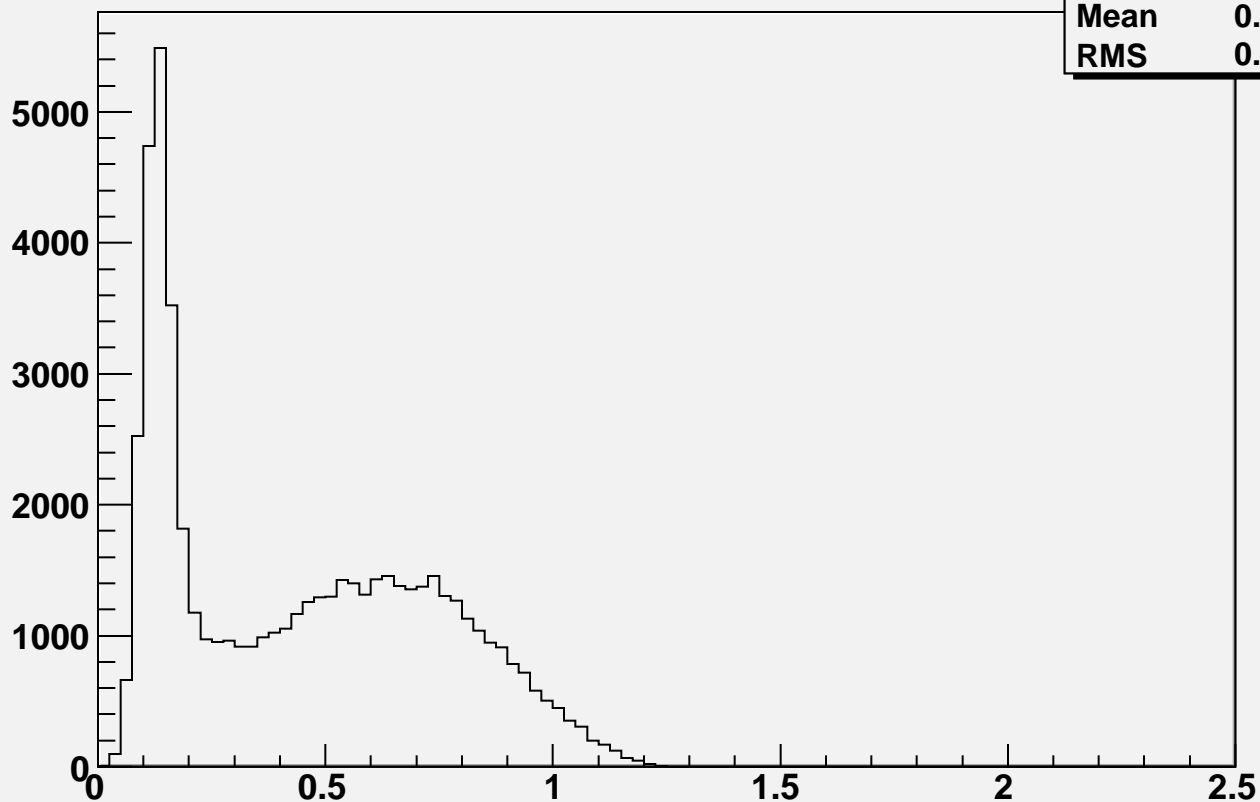
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 70.000000) < 5 \&\& \text{abs}(\text{Eta} - 3.200000) < .05$

h2	
Entries	271
Mean	0.9515
RMS	0.7922



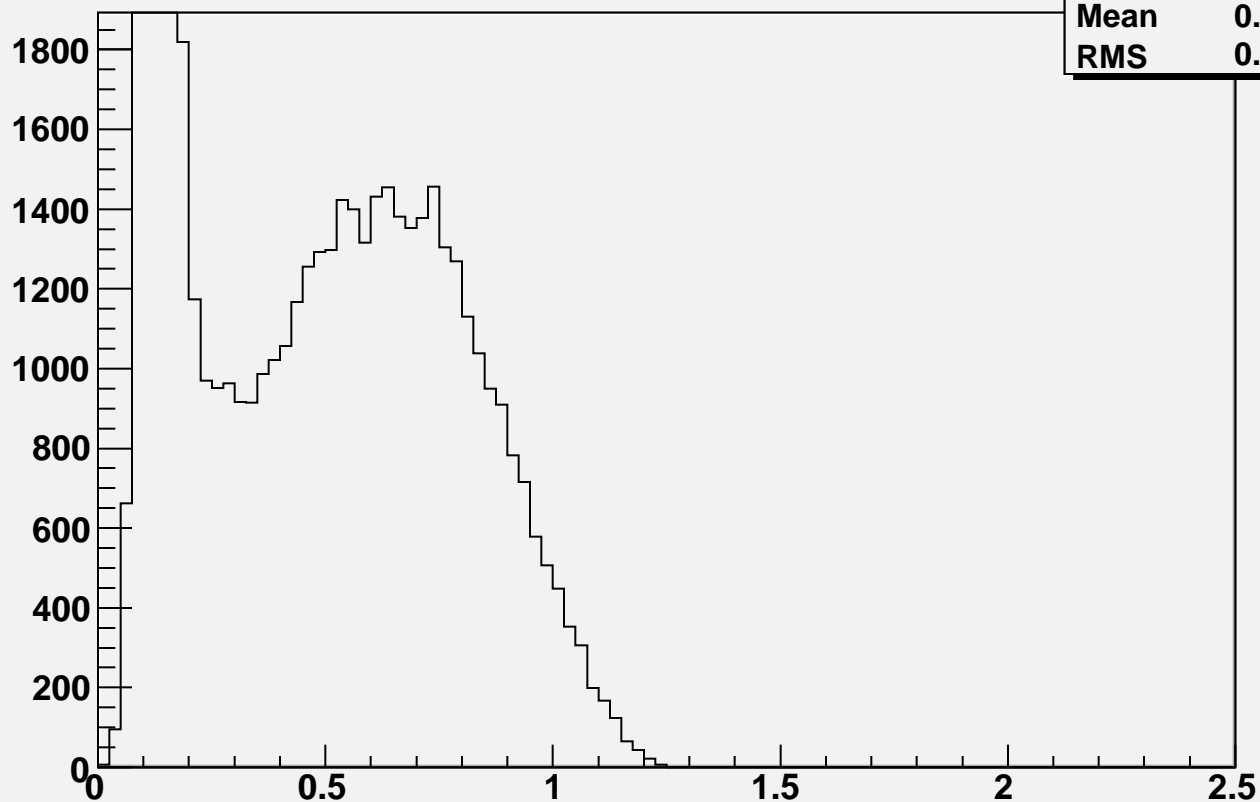
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.100000) < .05$

h1	
Entries	56334
Mean	0.4504
RMS	0.2939

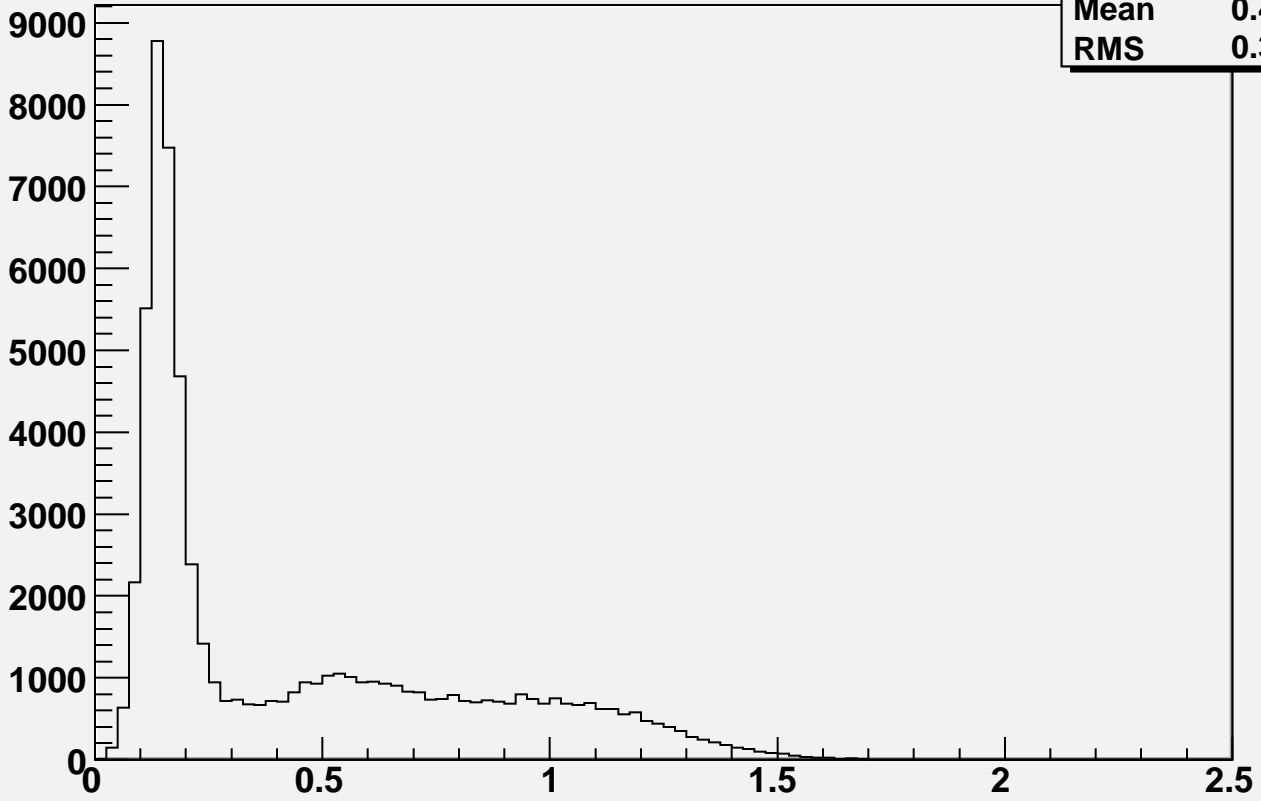


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.100000) < .05$

h2	
Entries	56334
Mean	0.4504
RMS	0.2939

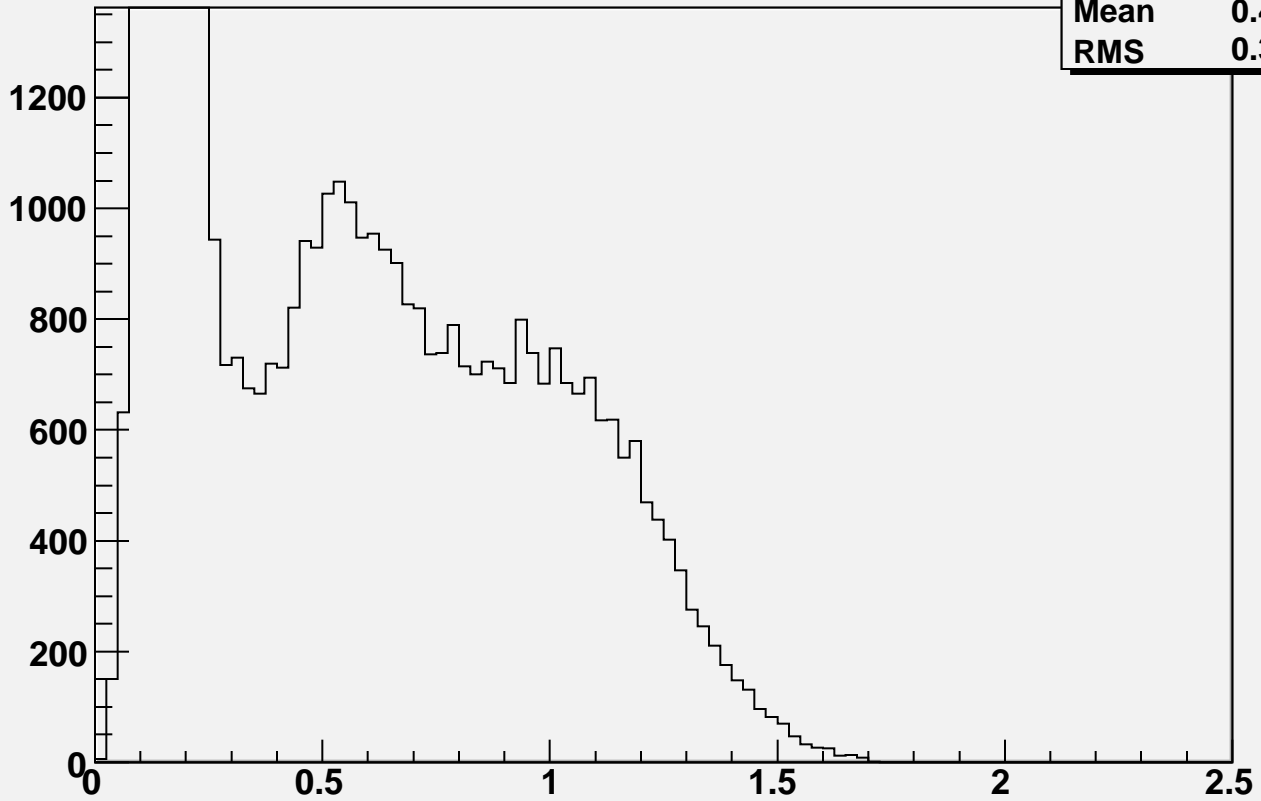


$N_{12} = 2$ & $Z < 0.7$ & $|\text{E12} - 30.000000| < 5$ & $|\text{Eta} - 3.100000| < 0.05$



h1	
Entries	65951
Mean	0.4546
RMS	0.3786

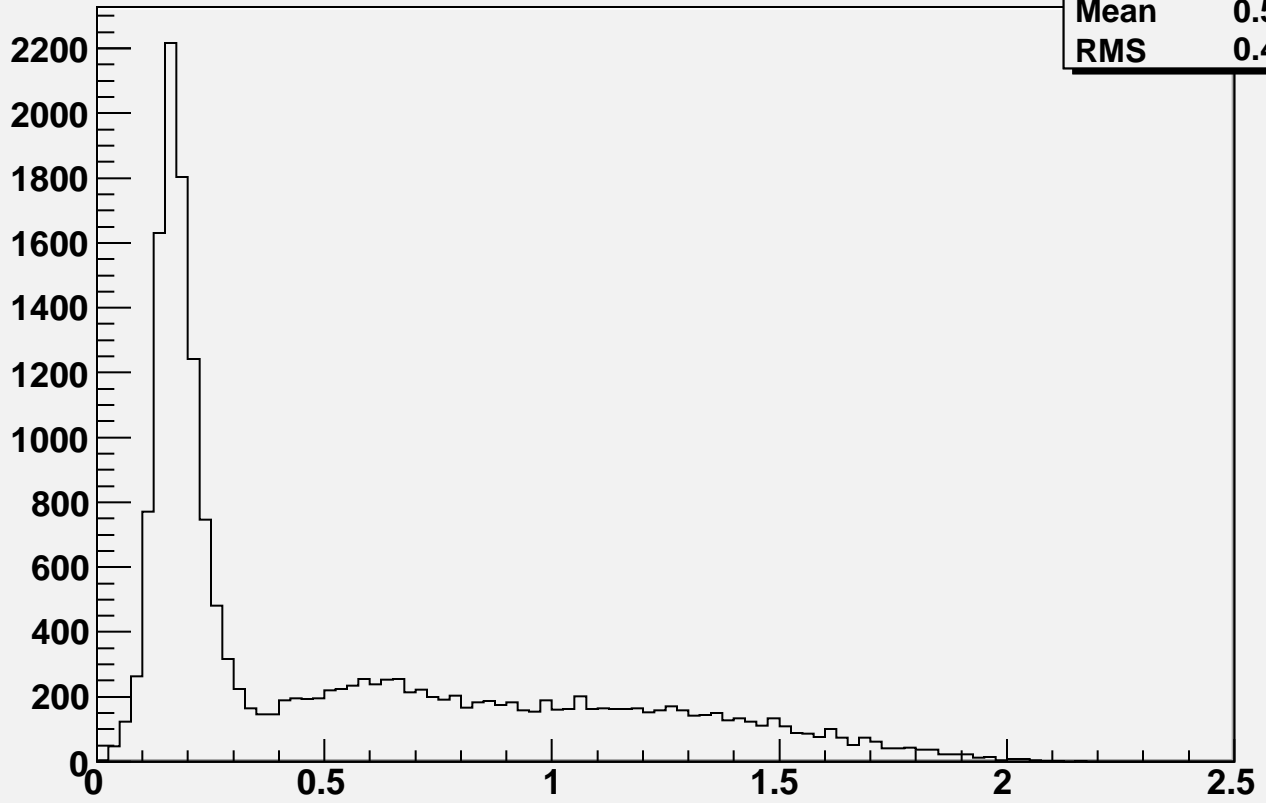
$N_{12} = 2$ & $Z < 0.7$ & $|\text{E12} - 30.000000| < 5$ & $|\text{Eta} - 3.100000| < 0.05$



h2	
Entries	65951
Mean	0.4546
RMS	0.3786

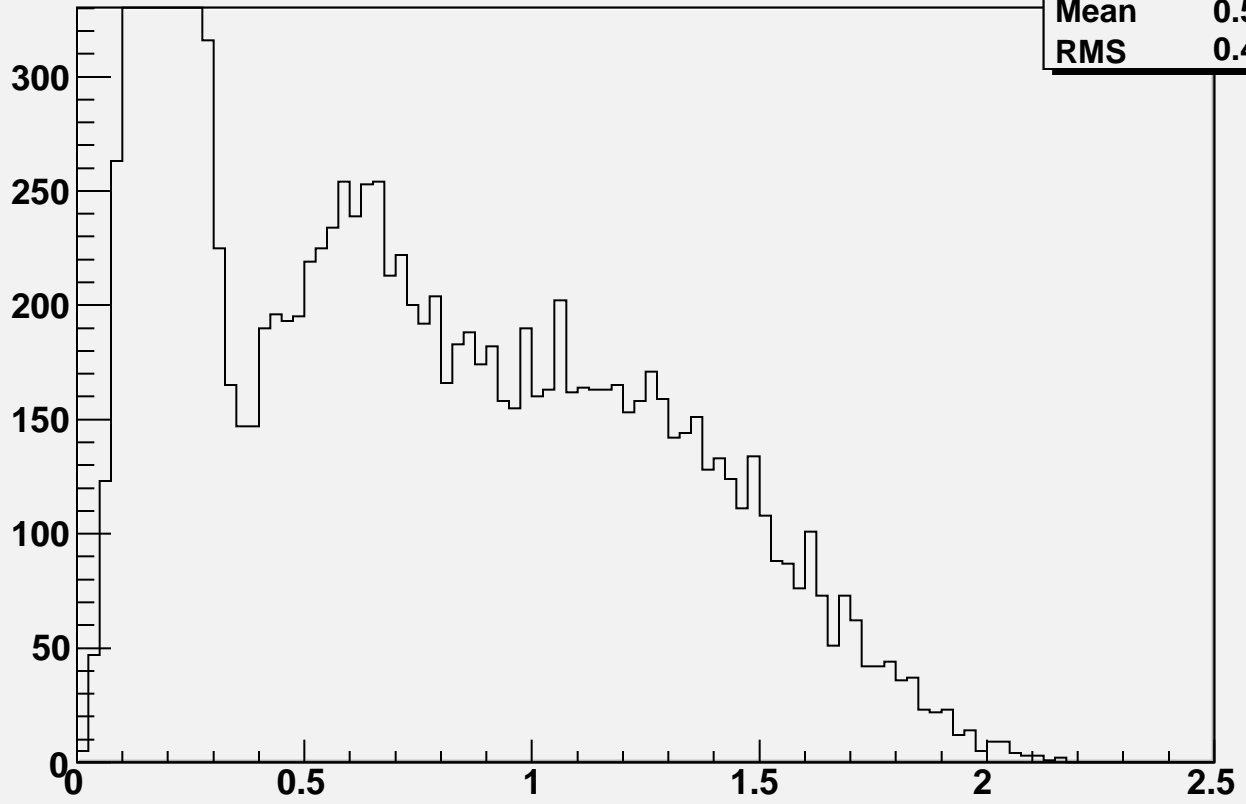
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.100000) < .05$

h1	
Entries	19310
Mean	0.5603
RMS	0.4814



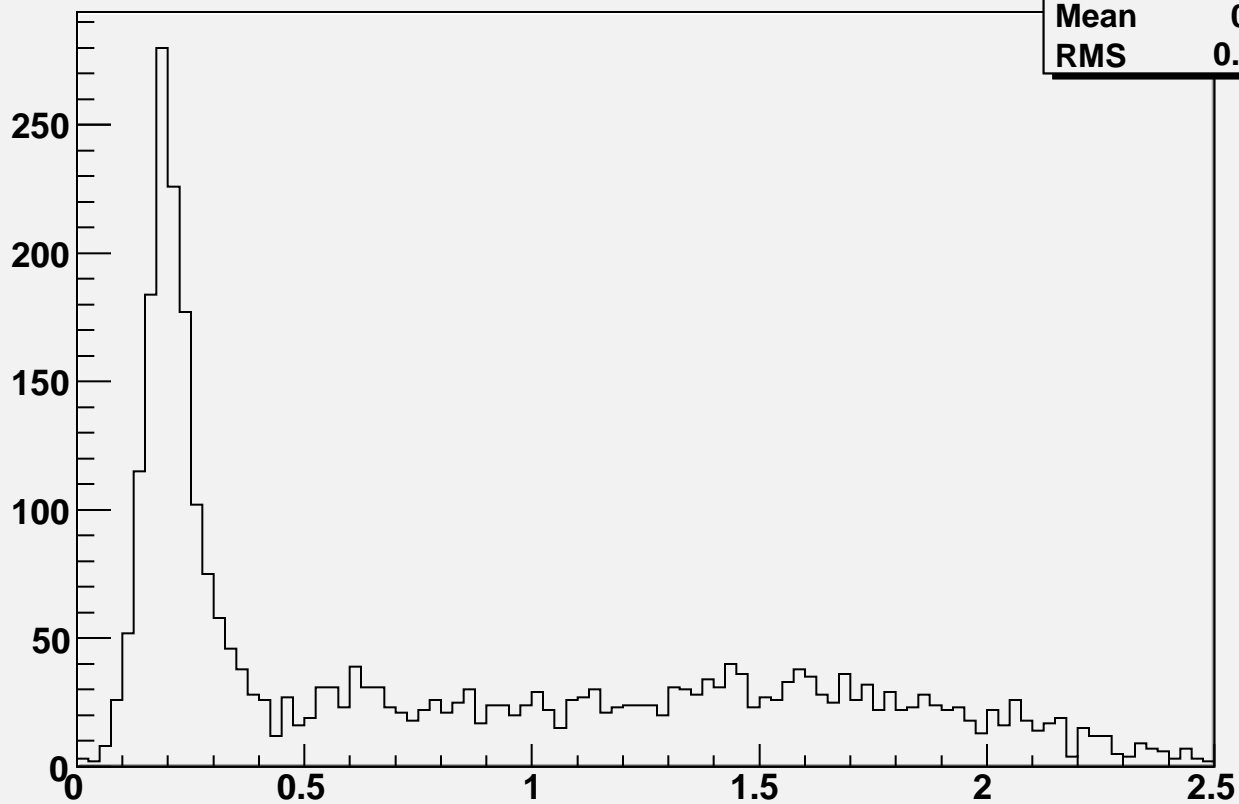
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.100000) < .05$

h2	
Entries	19310
Mean	0.5603
RMS	0.4814



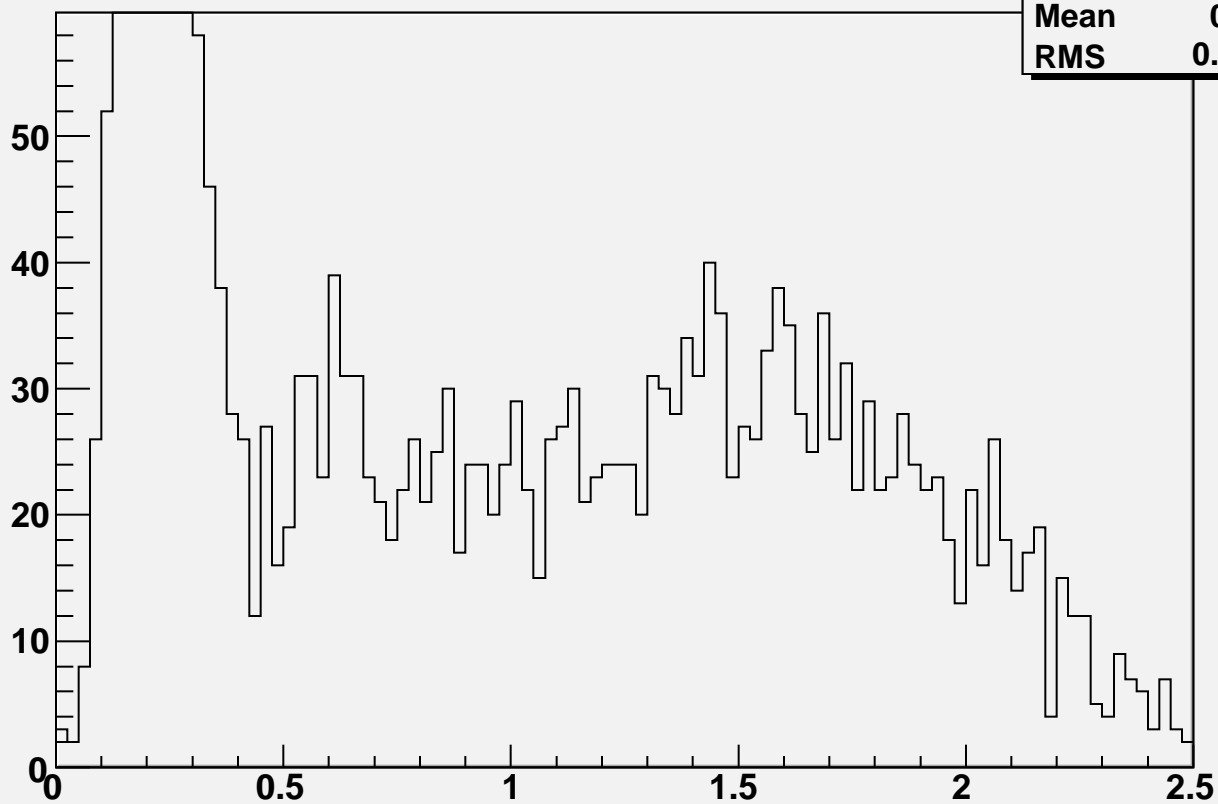
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.100000) < .05$

h1	
Entries	3300
Mean	0.847
RMS	0.6805



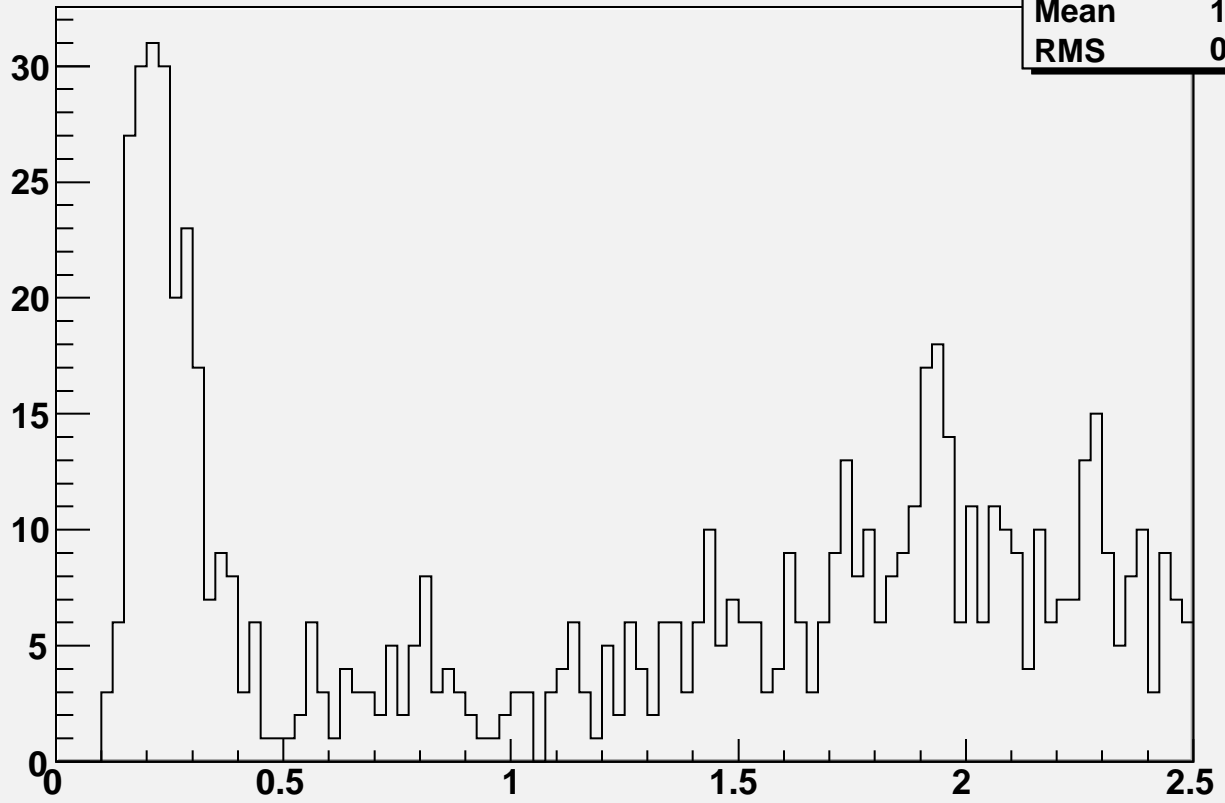
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.100000) < .05$

h2	
Entries	3300
Mean	0.847
RMS	0.6805



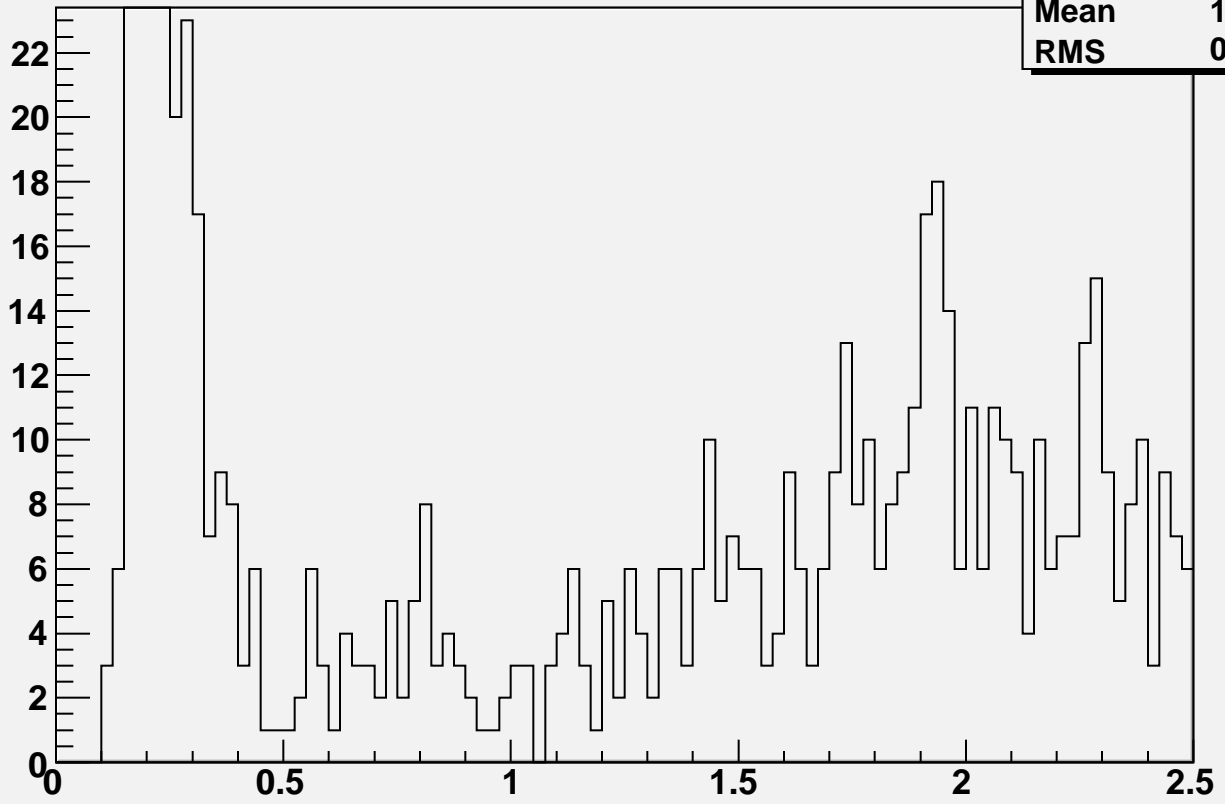
$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 60.000000) < 5. \text{ \& \&abs}(\text{Eta} - 3.100000) < .05$

h1	
Entries	801
Mean	1.262
RMS	0.808



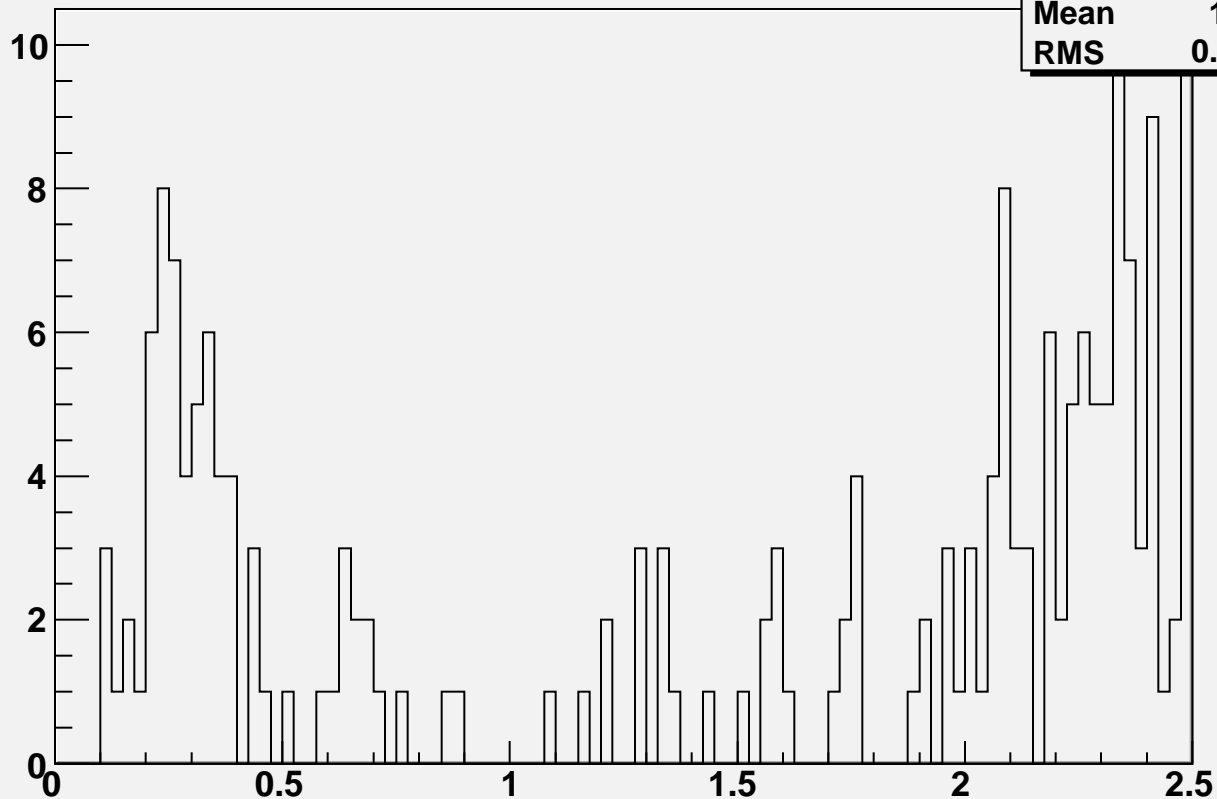
$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 60.000000) < 5. \text{ \& \&abs}(\text{Eta} - 3.100000) < .05$

h2	
Entries	801
Mean	1.262
RMS	0.808



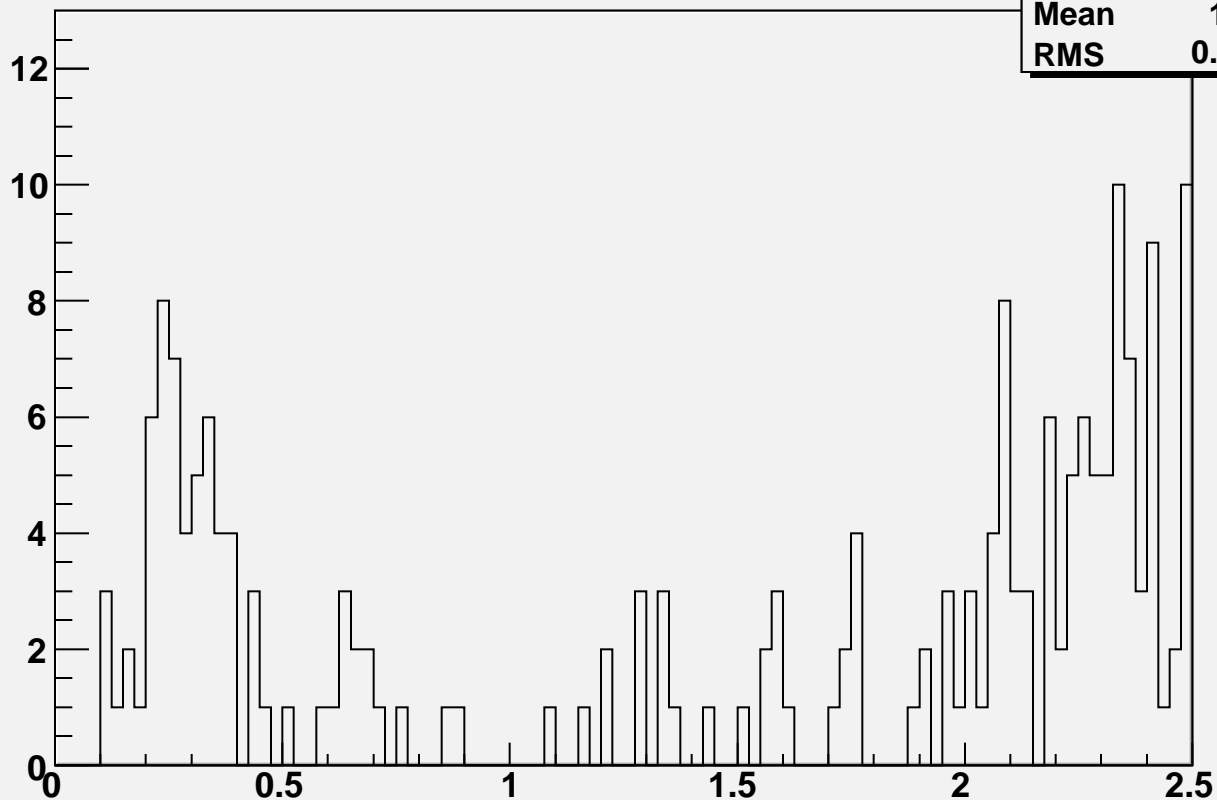
$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12} - 70.000000)| < 5$ & $|\ln(\eta - 3.100000)| < 0.05$

h1	
Entries	313
Mean	1.483
RMS	0.8839

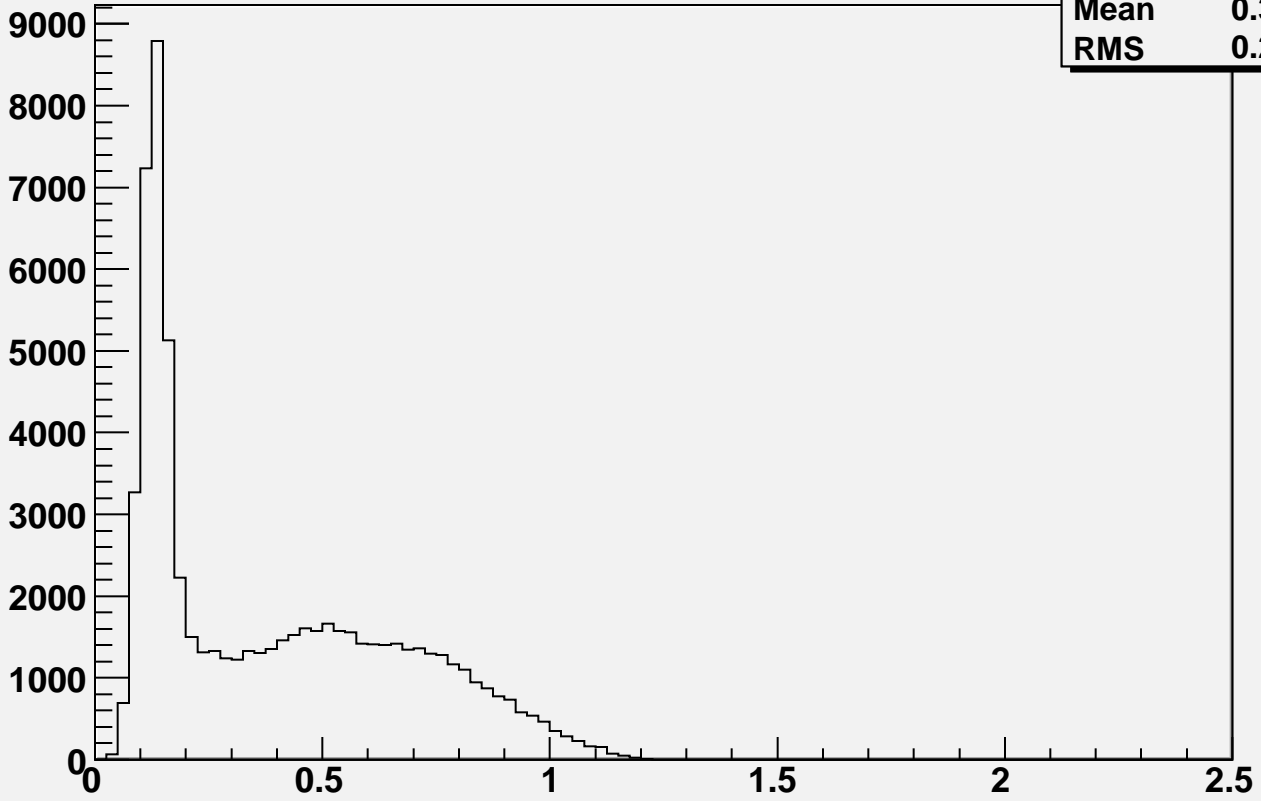


$N_{12} = 2$ & $Z < 0.7$ & $|\ln(E_{12} - 70.000000)| < 5$ & $|\ln(\eta - 3.100000)| < 0.05$

h2	
Entries	313
Mean	1.483
RMS	0.8839

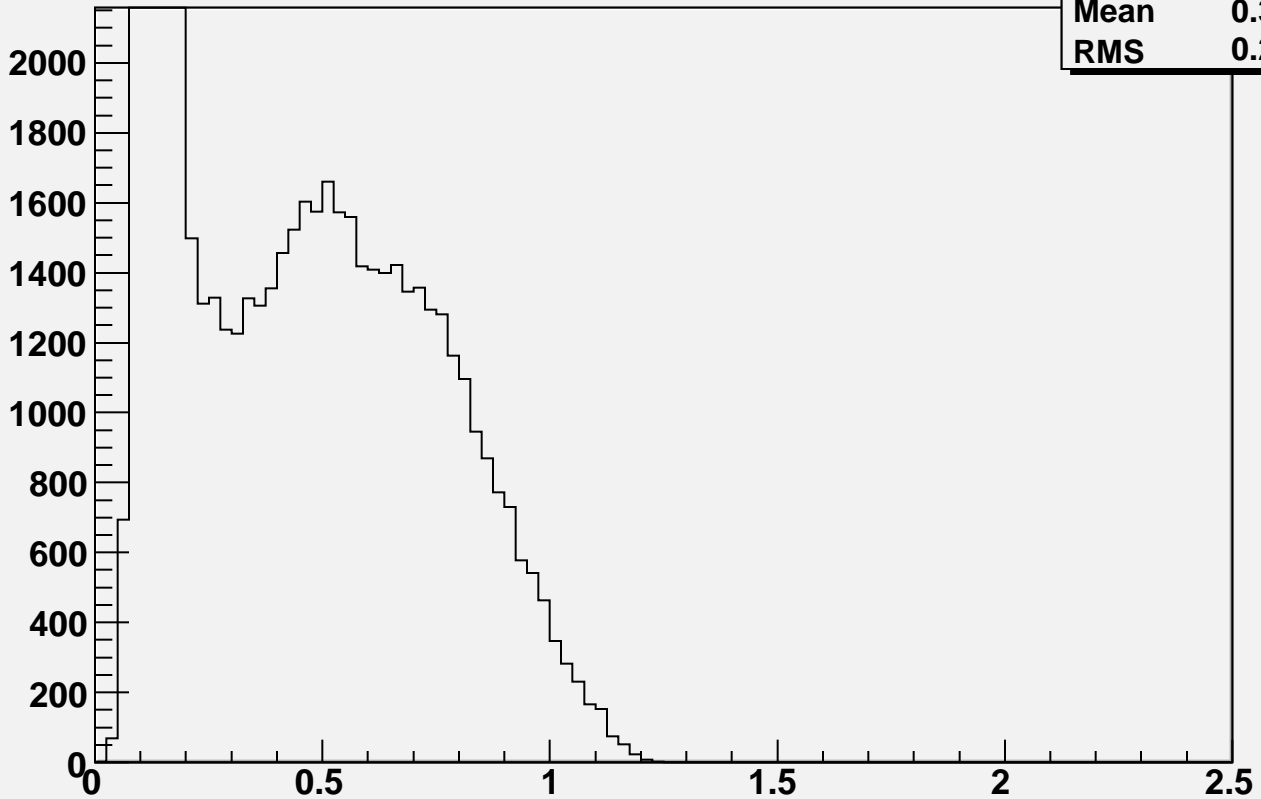


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.000000) < .05$



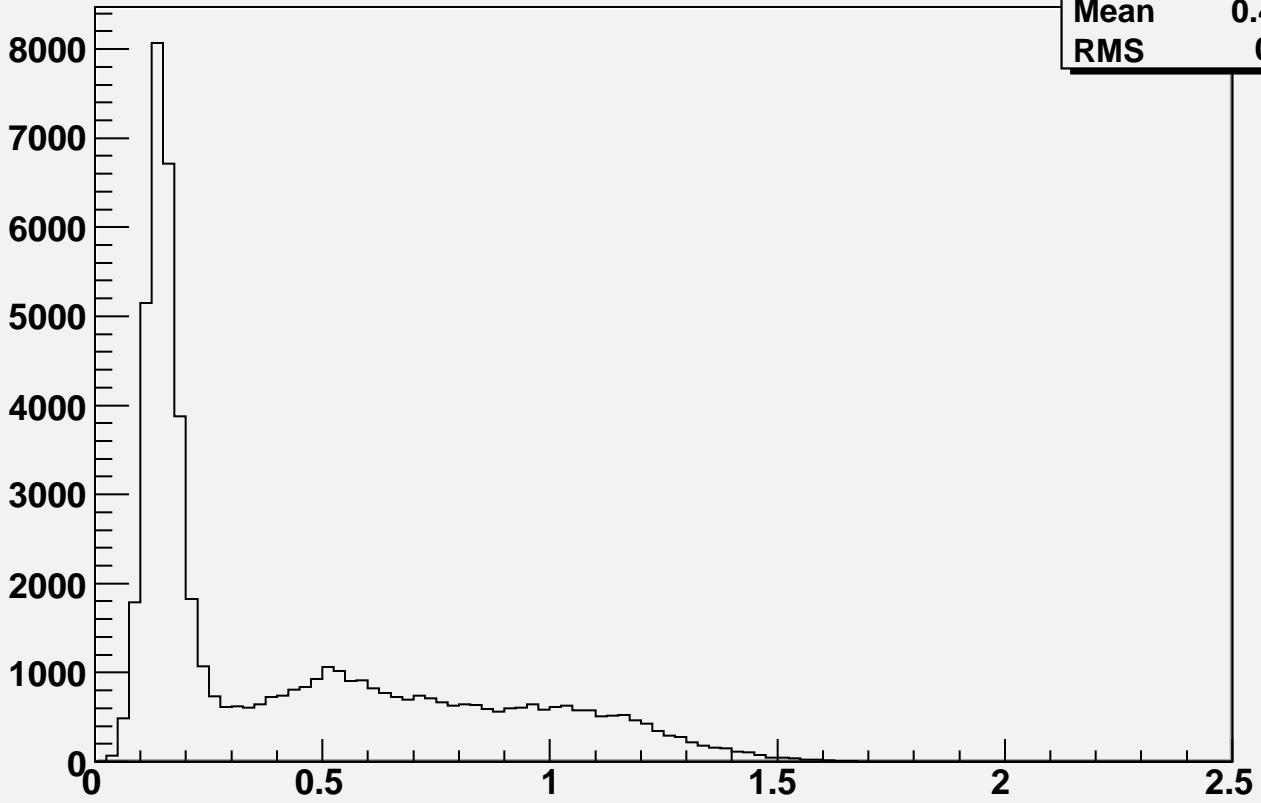
h1	
Entries	68380
Mean	0.3966
RMS	0.2783

$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.000000) < .05$



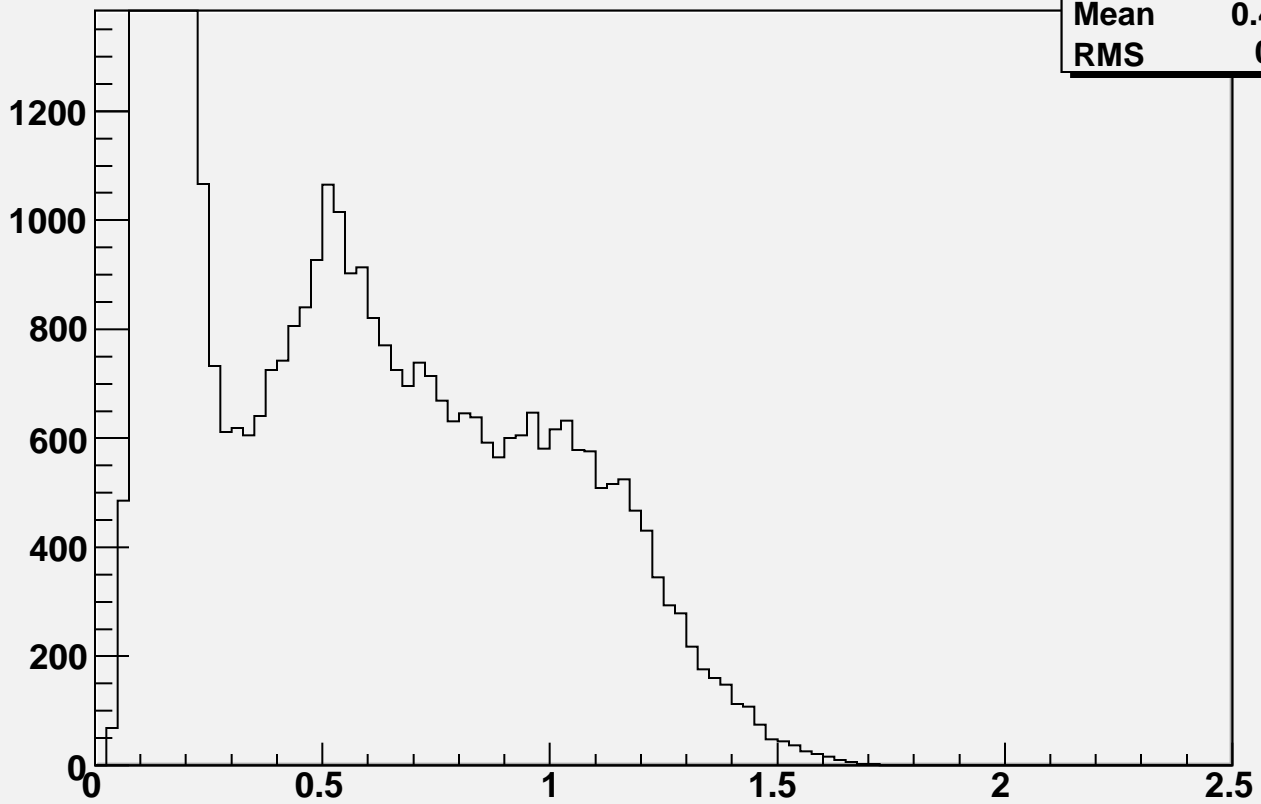
h2	
Entries	68380
Mean	0.3966
RMS	0.2783

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



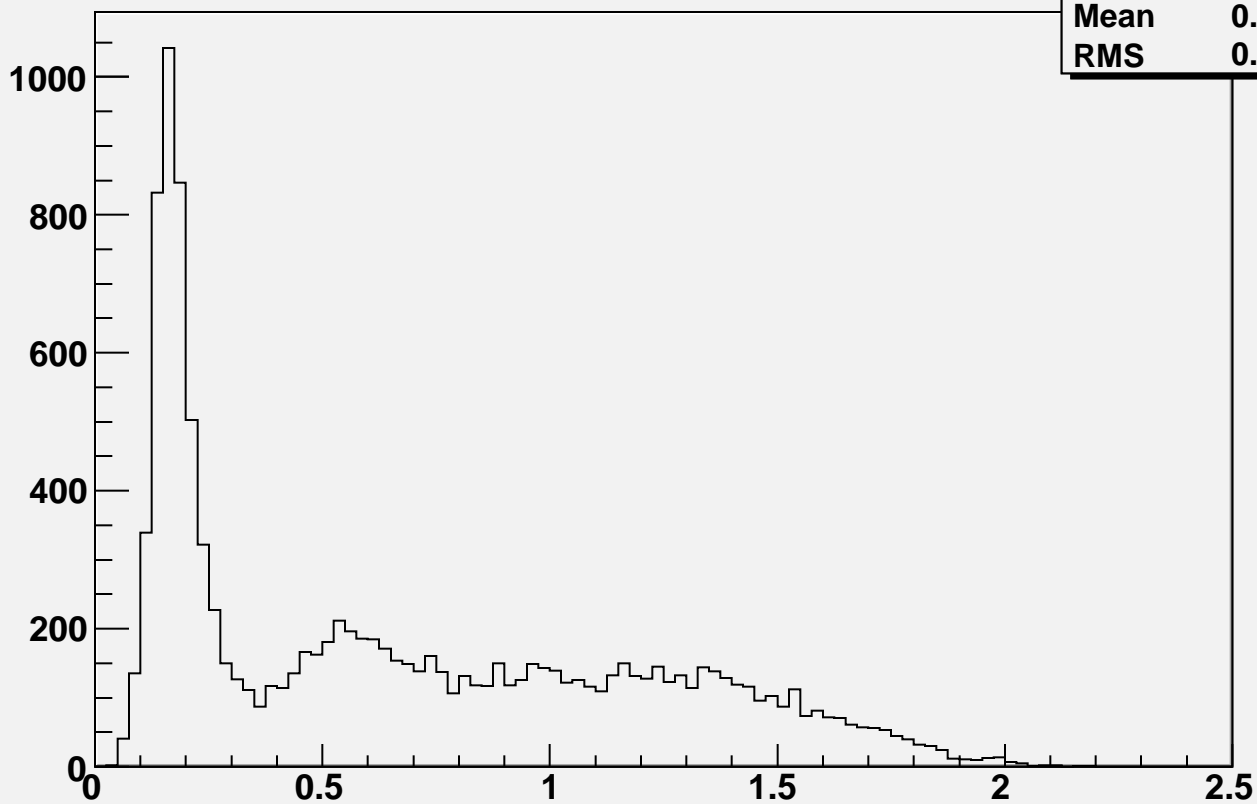
h1	
Entries	57800
Mean	0.4474
RMS	0.371

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



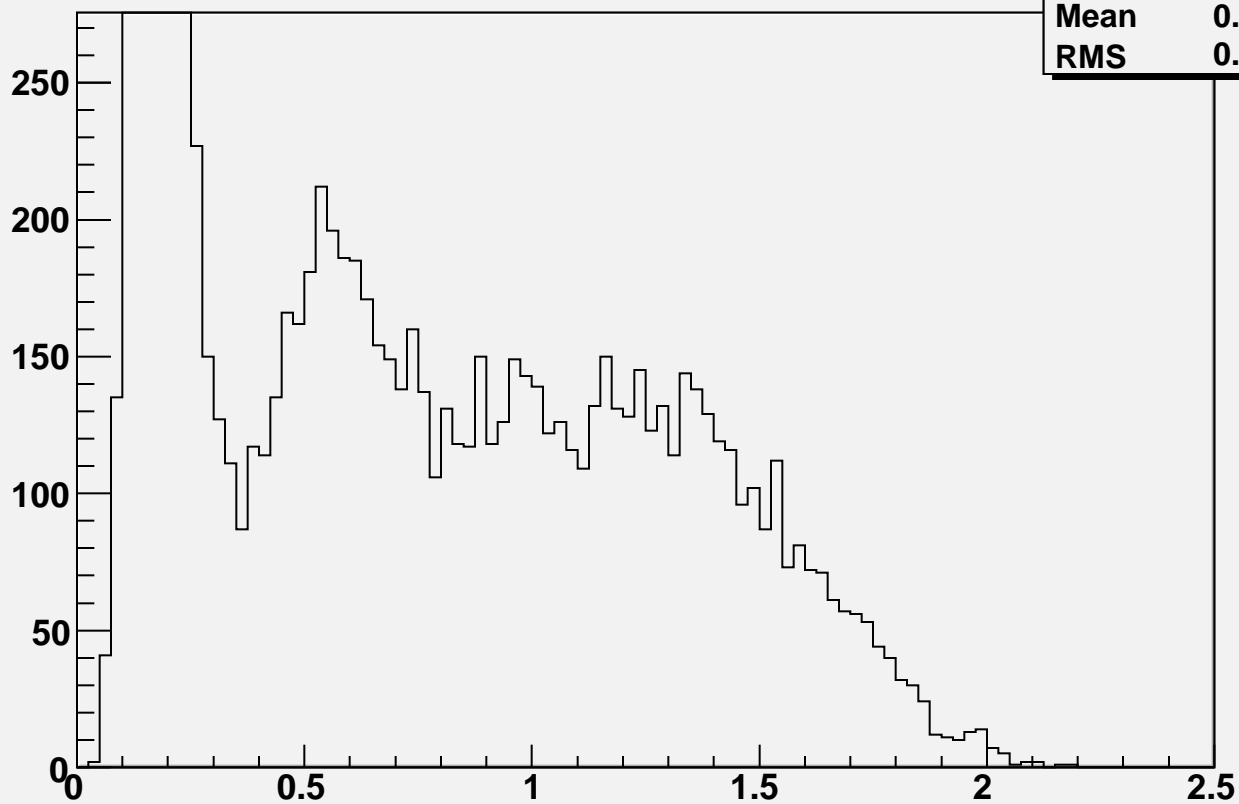
h2	
Entries	57800
Mean	0.4474
RMS	0.371

$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 40.000000| < 5 \text{ \& \& } |\text{Eta} - 3.000000| < .05$



h1	
Entries	11969
Mean	0.6814
RMS	0.5102

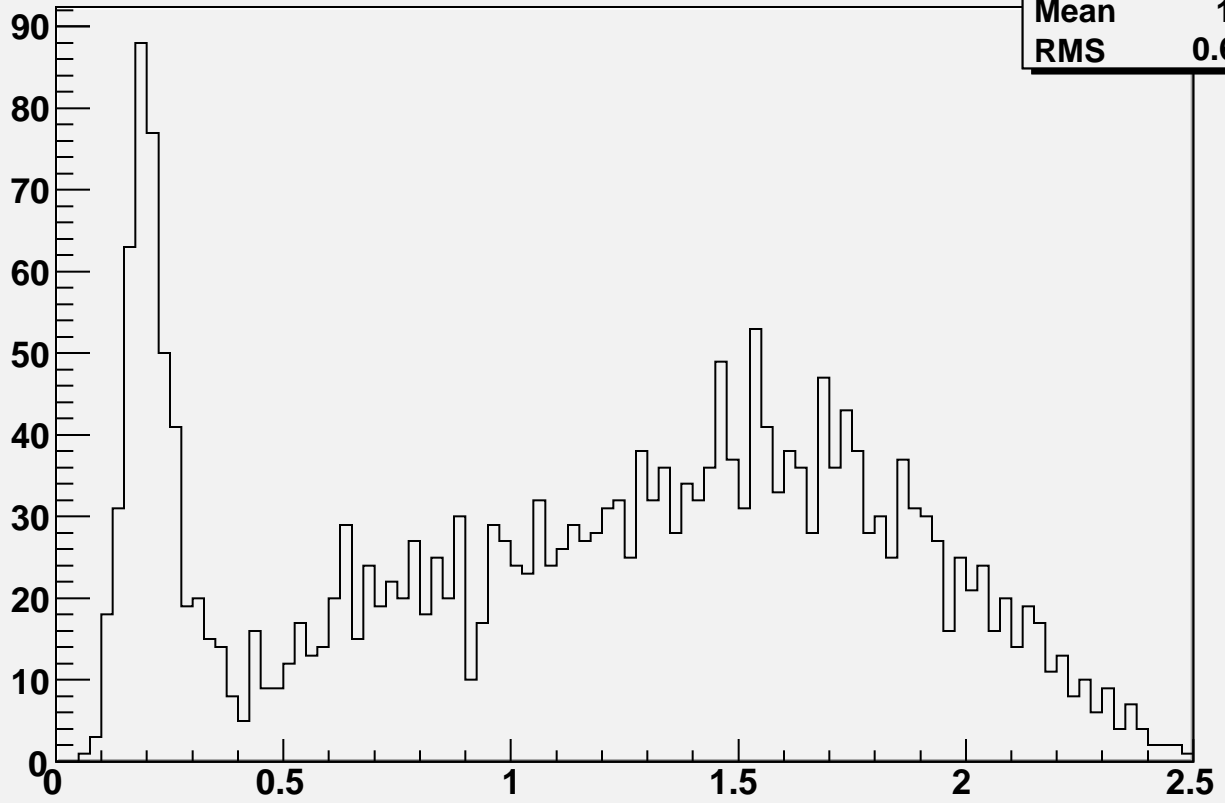
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 40.000000| < 5 \text{ \& \& } |\text{Eta} - 3.000000| < .05$



h2	
Entries	11969
Mean	0.6814
RMS	0.5102

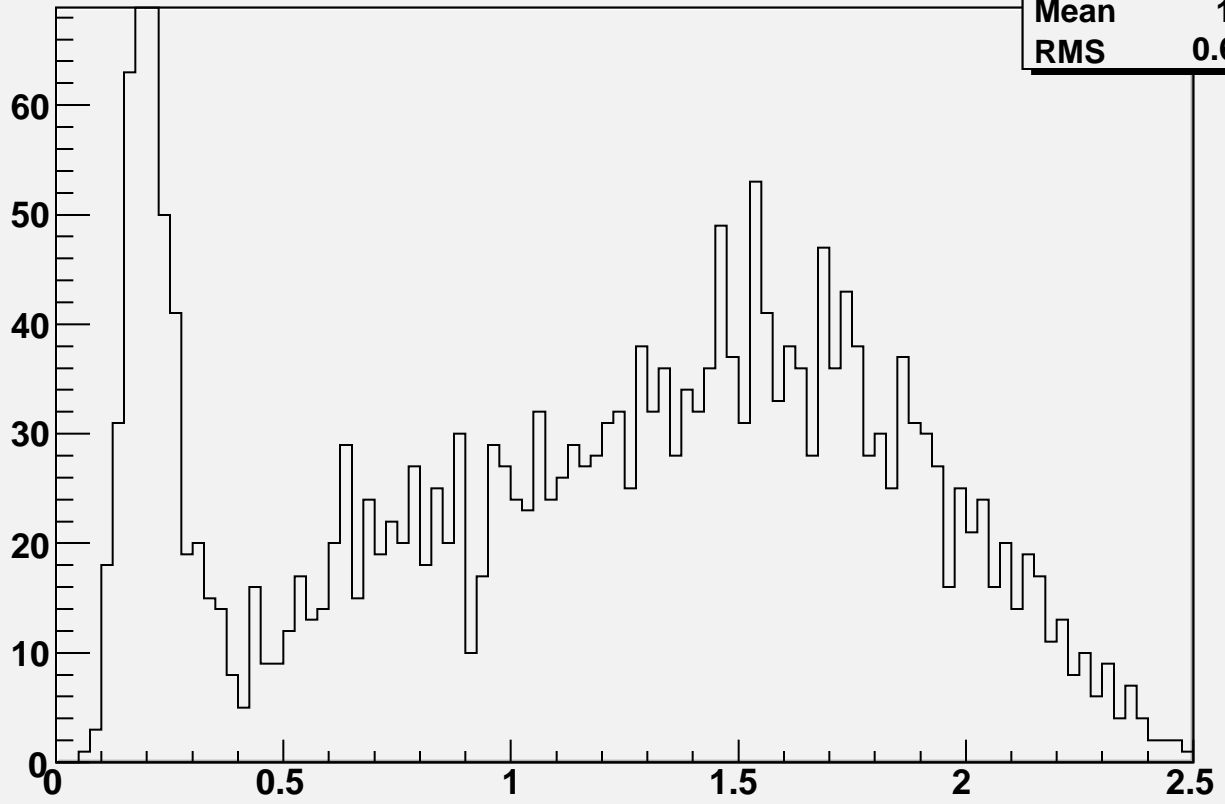
$N_{12} = 2 & Z < 0.7 & \text{abs}(E_{12} - 50.000000) < 5 & \text{abs}(\text{Eta} - 3.000000) < 0.05$

h1	
Entries	2410
Mean	1.181
RMS	0.6297



$N_{12} = 2 & Z < 0.7 & \text{abs}(E_{12} - 50.000000) < 5 & \text{abs}(\text{Eta} - 3.000000) < 0.05$

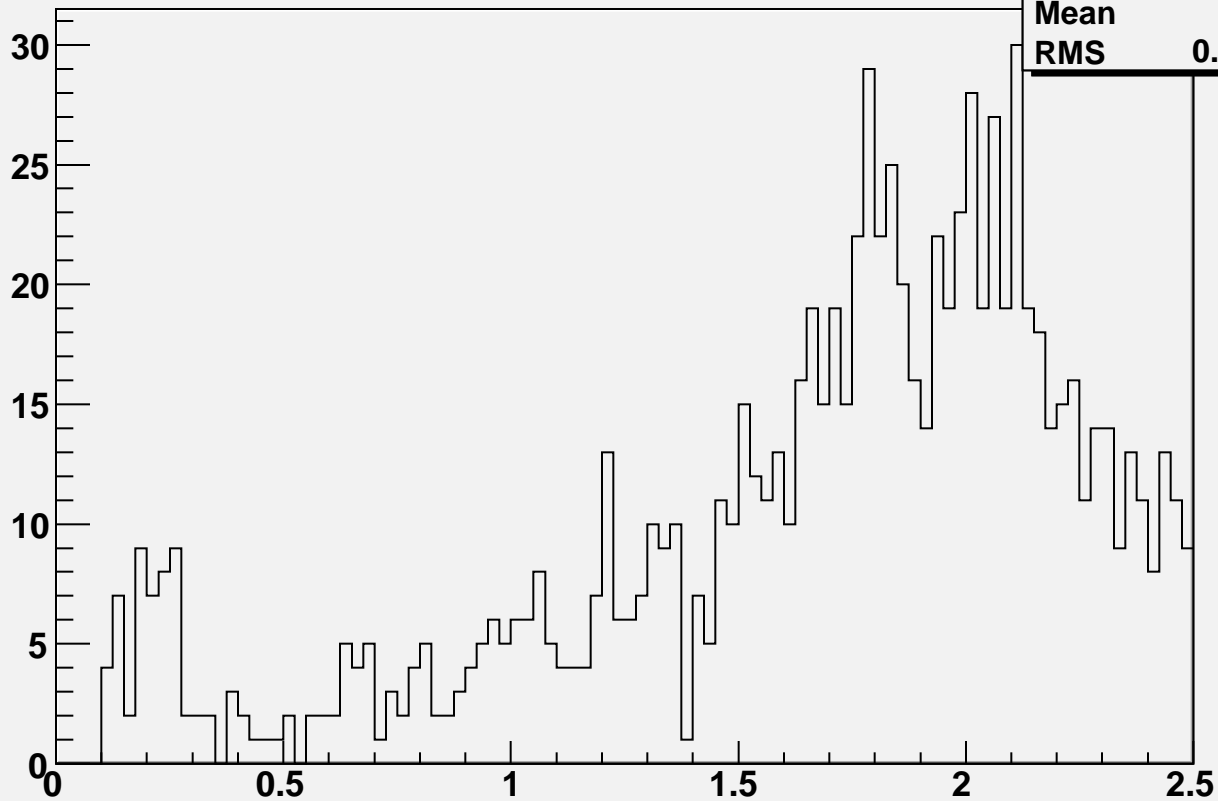
h2	
Entries	2410
Mean	1.181
RMS	0.6297



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

h1

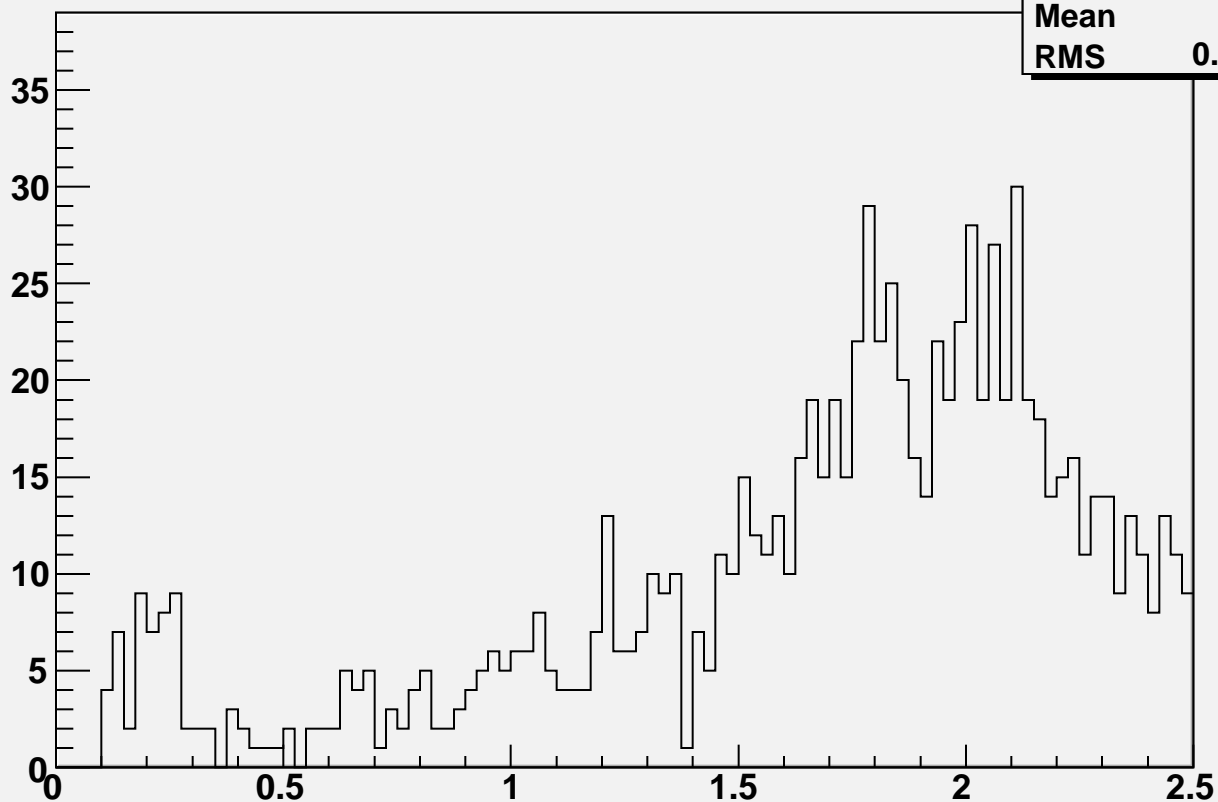
Entries	993
Mean	1.68
RMS	0.5717



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

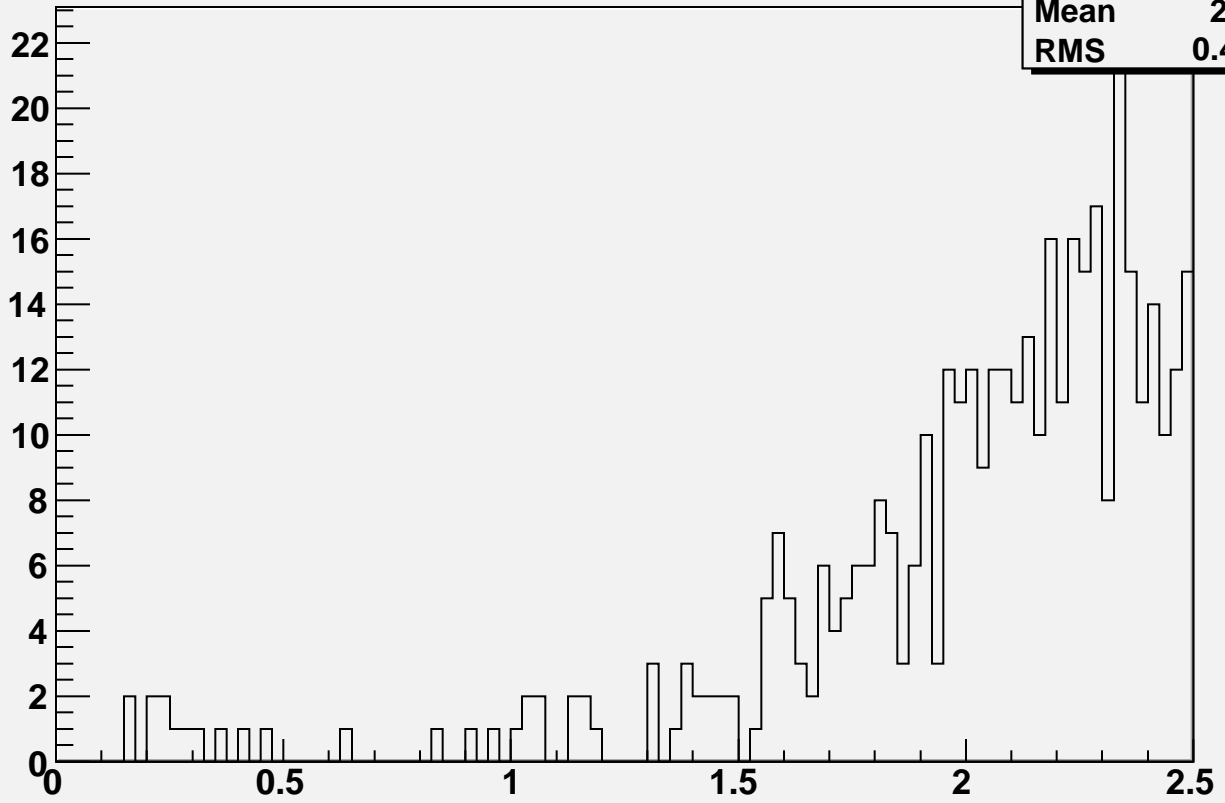
h2

Entries	993
Mean	1.68
RMS	0.5717



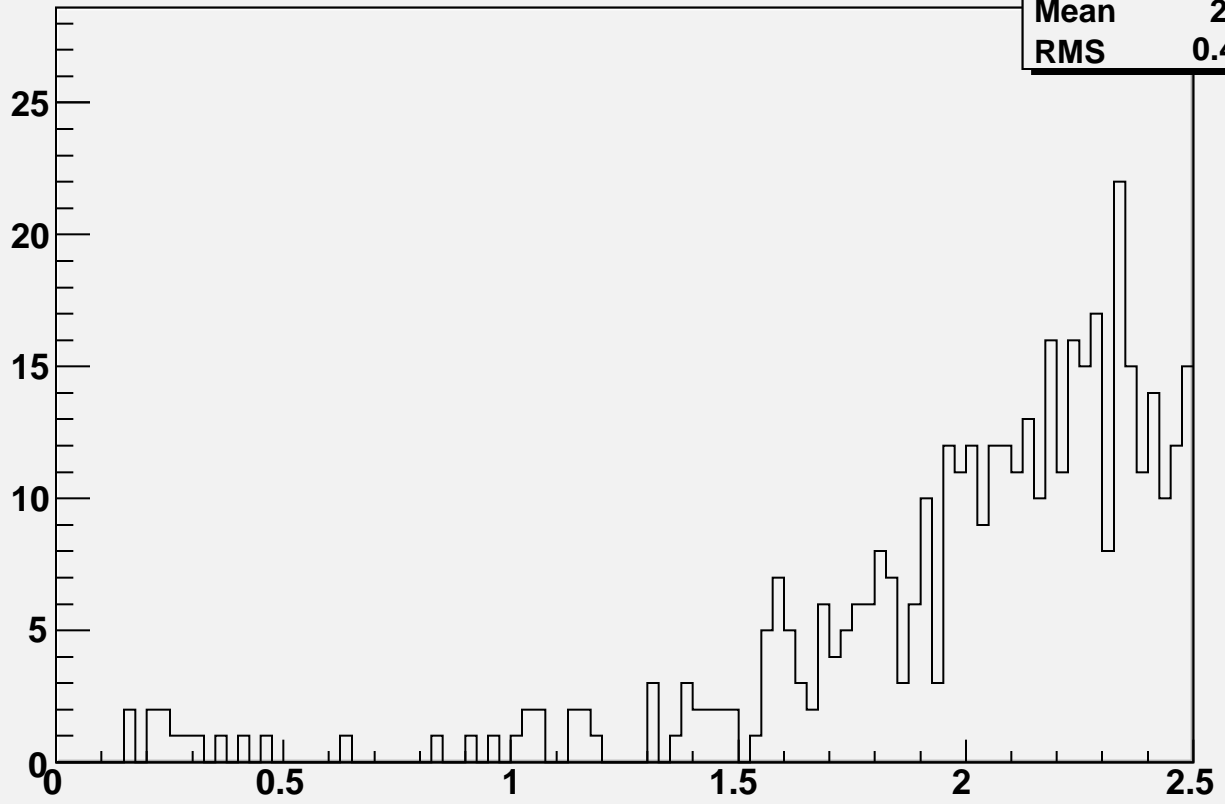
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 70.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.000000) < .05$

h1	
Entries	605
Mean	2.006
RMS	0.4504



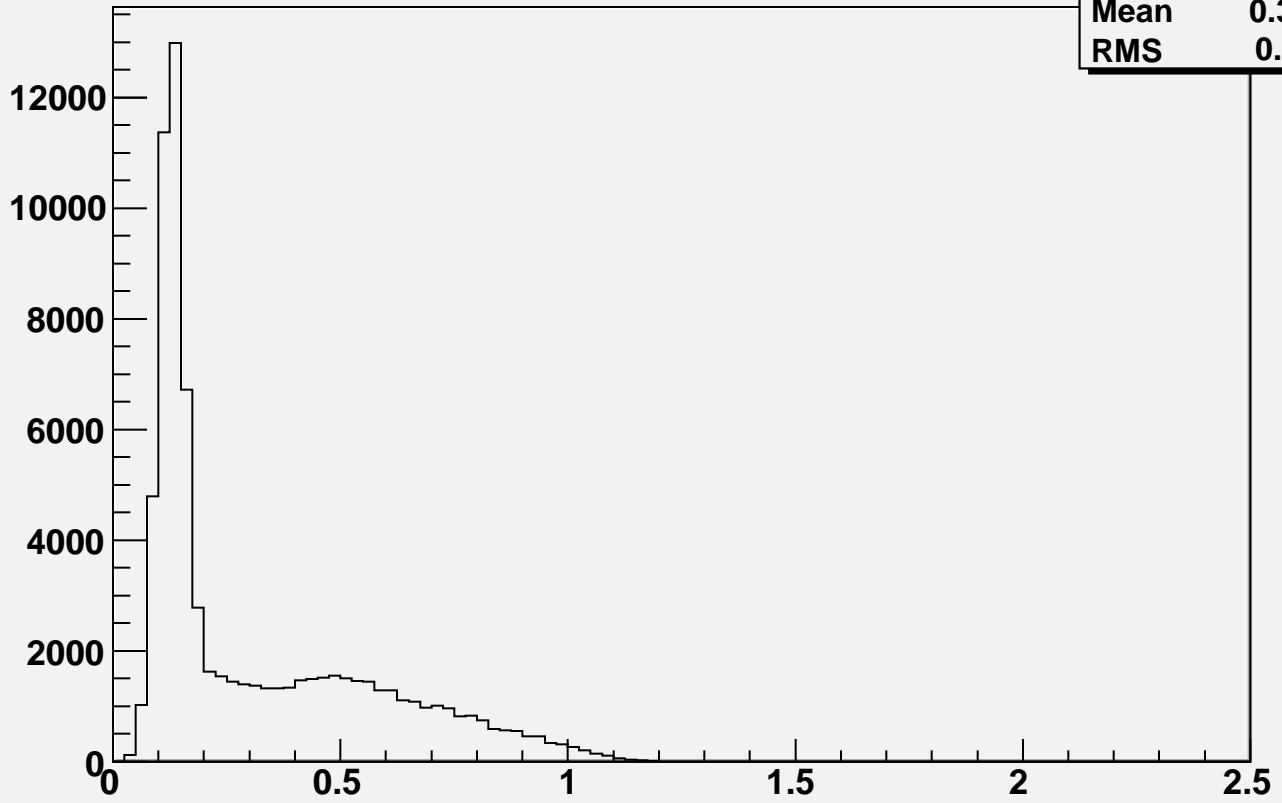
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 70.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.000000) < .05$

h2	
Entries	605
Mean	2.006
RMS	0.4504



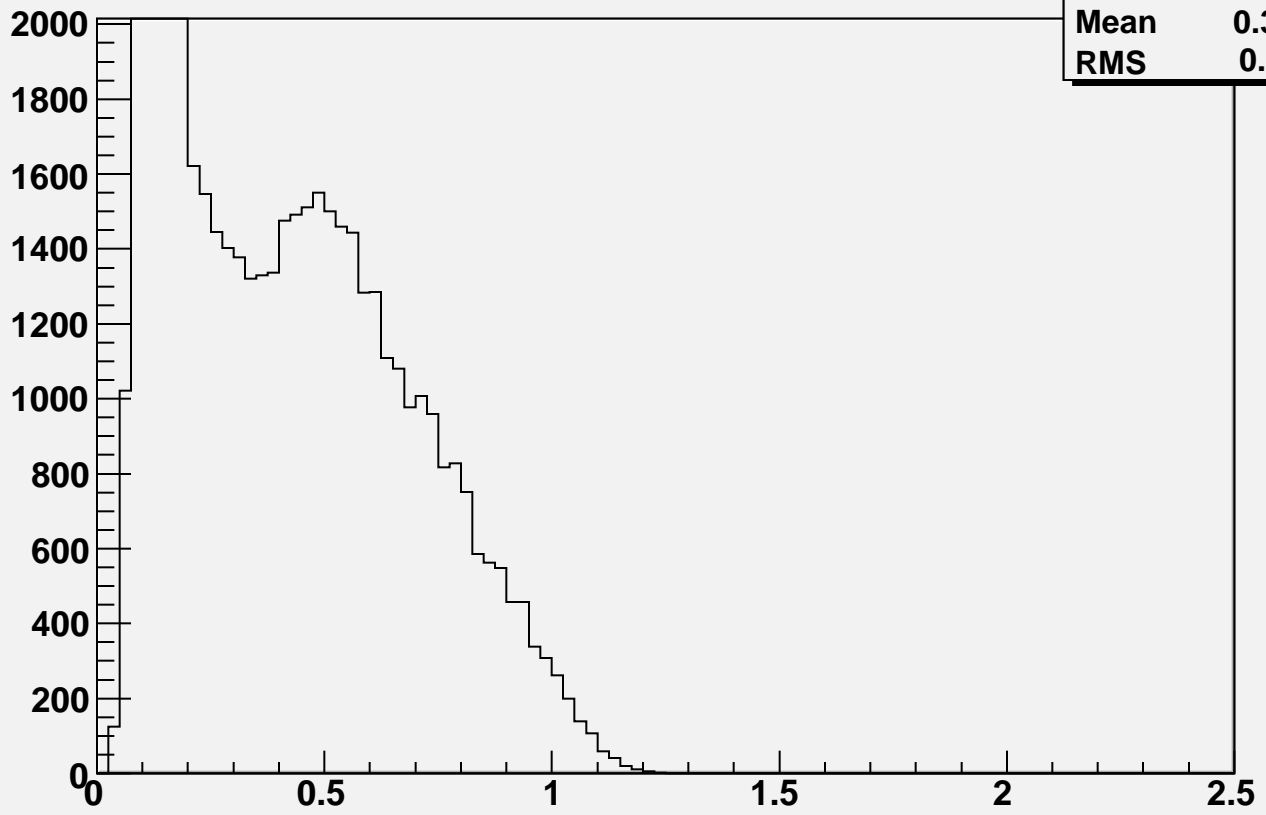
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 2.900000) < .05$

h1	
Entries	75823
Mean	0.3218
RMS	0.2521

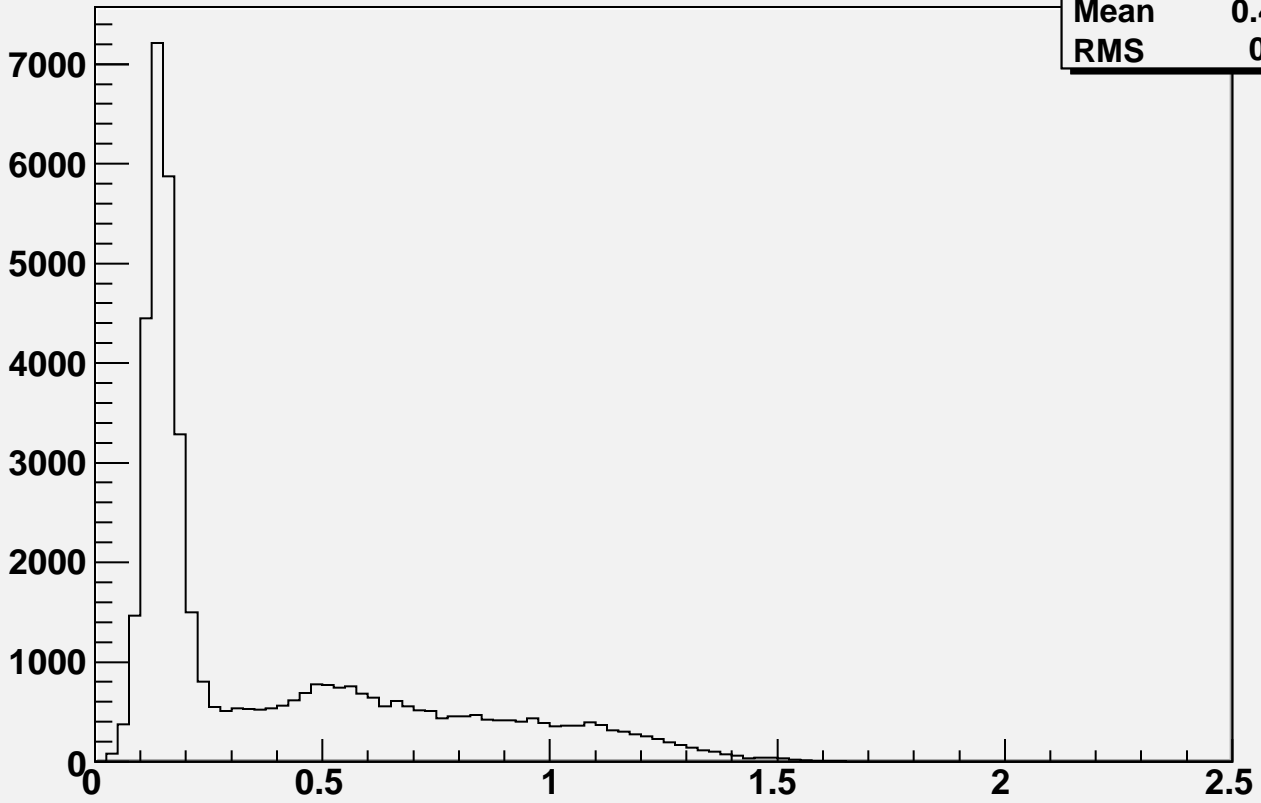


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 2.900000) < .05$

h2	
Entries	75823
Mean	0.3218
RMS	0.2521

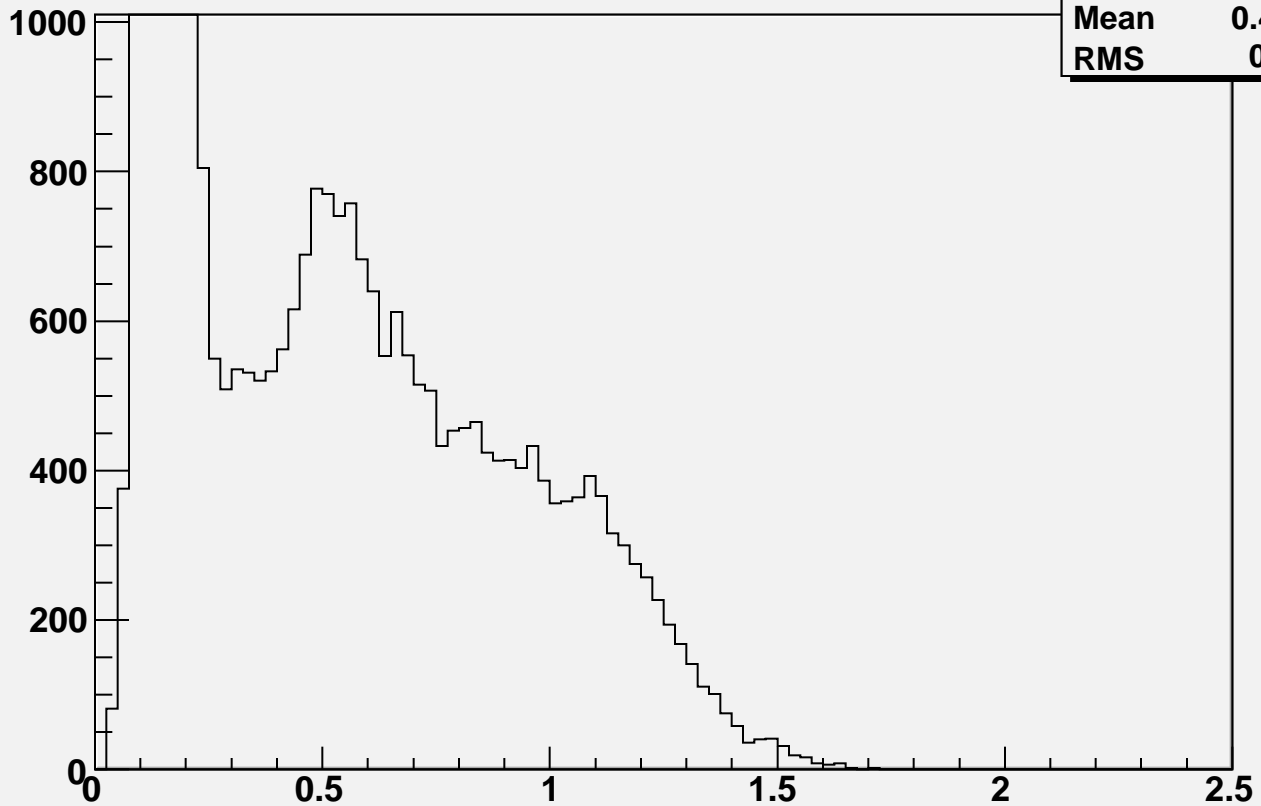


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 2.900000) < .05$



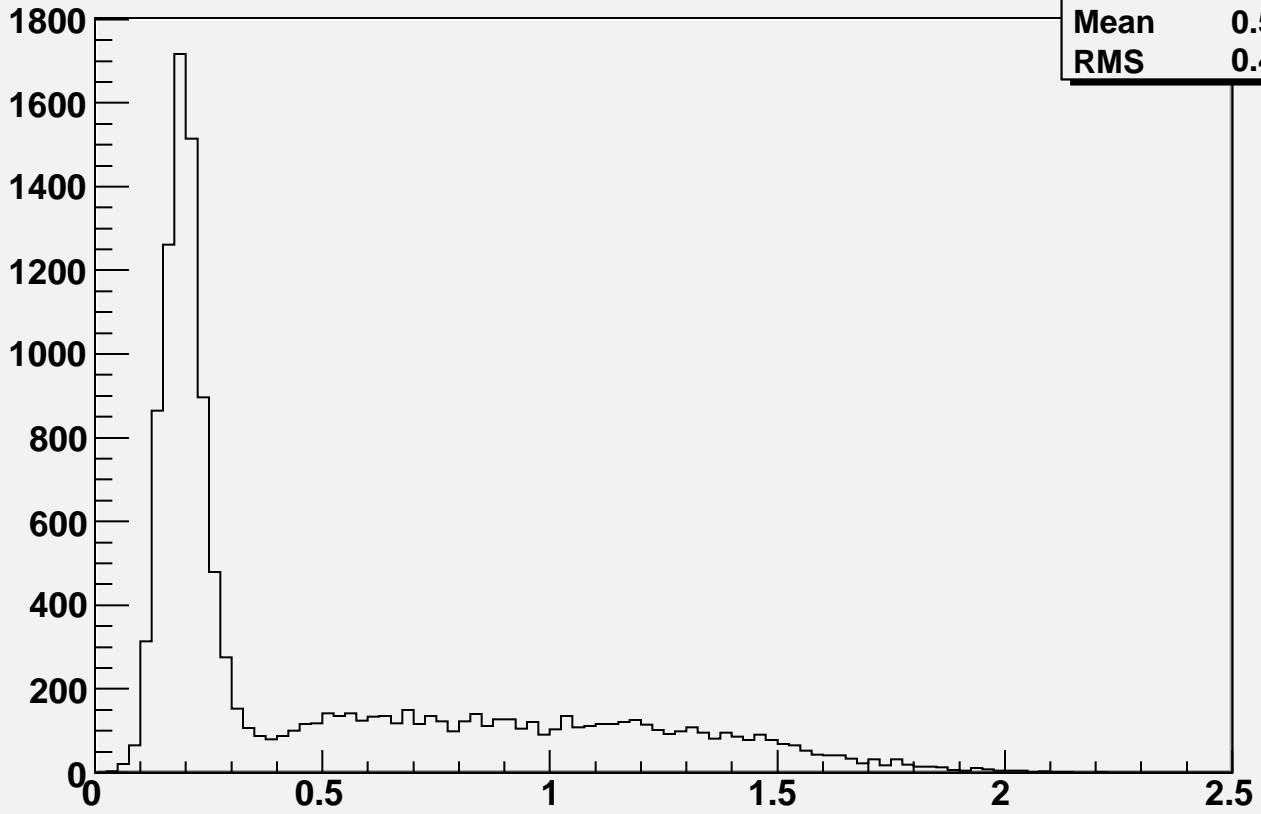
h1	
Entries	45752
Mean	0.4065
RMS	0.349

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



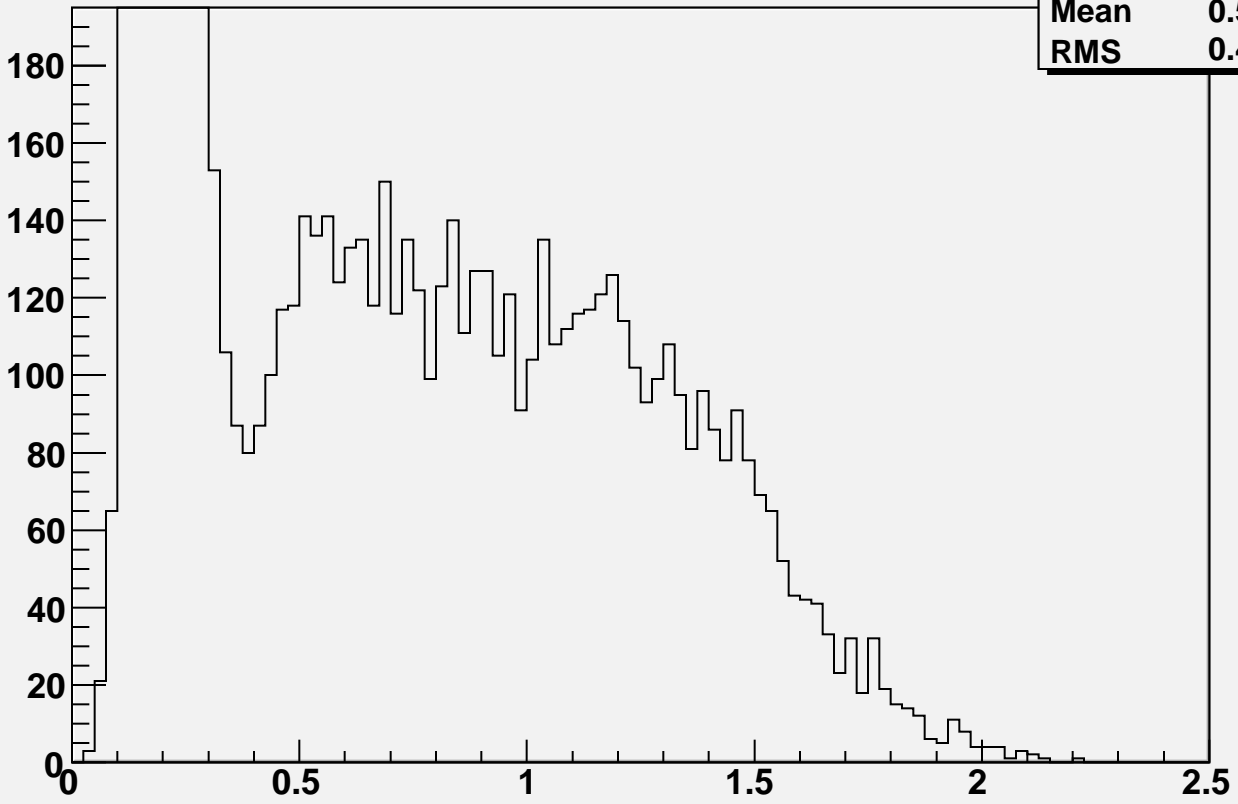
h2	
Entries	45752
Mean	0.4065
RMS	0.349

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



h1	
Entries	13374
Mean	0.5297
RMS	0.4597

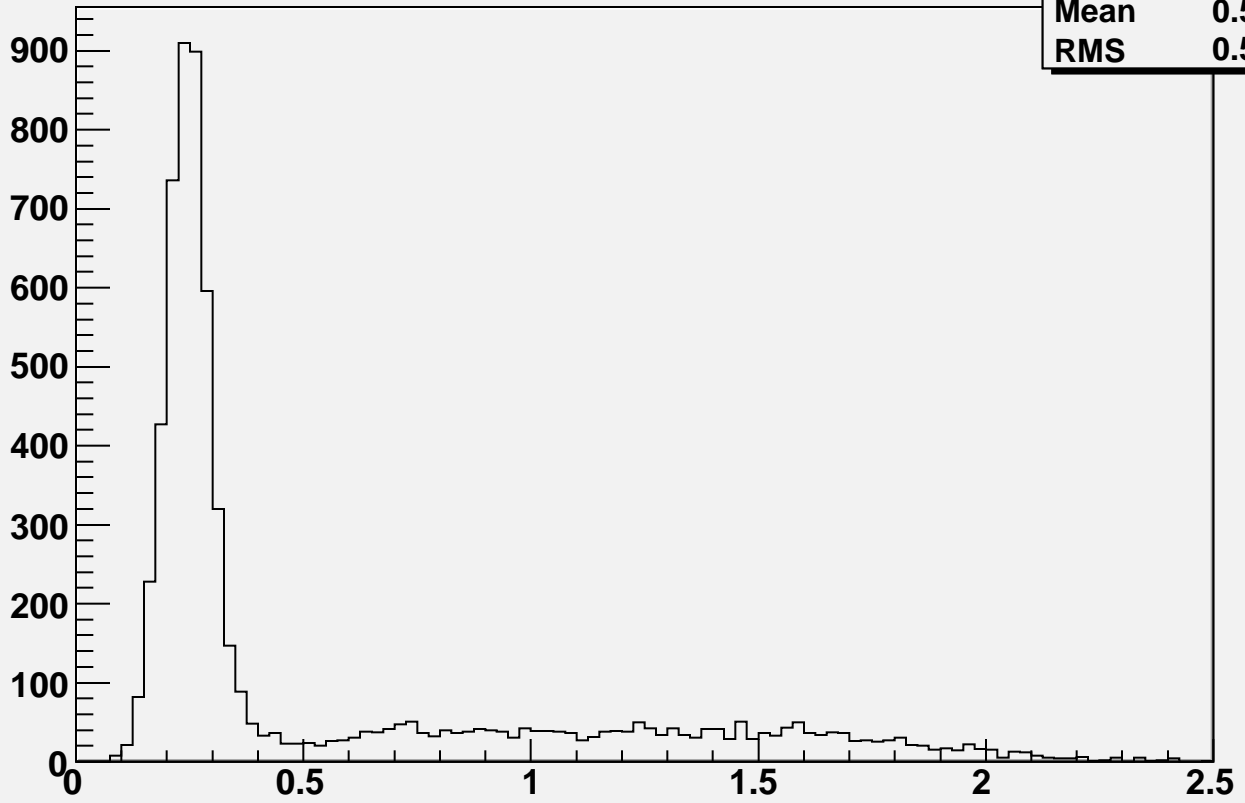
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 40.000000) < 5 \&\& \text{abs}(\text{Eta} - 2.900000) < .05$



h2	
Entries	13374
Mean	0.5297
RMS	0.4597

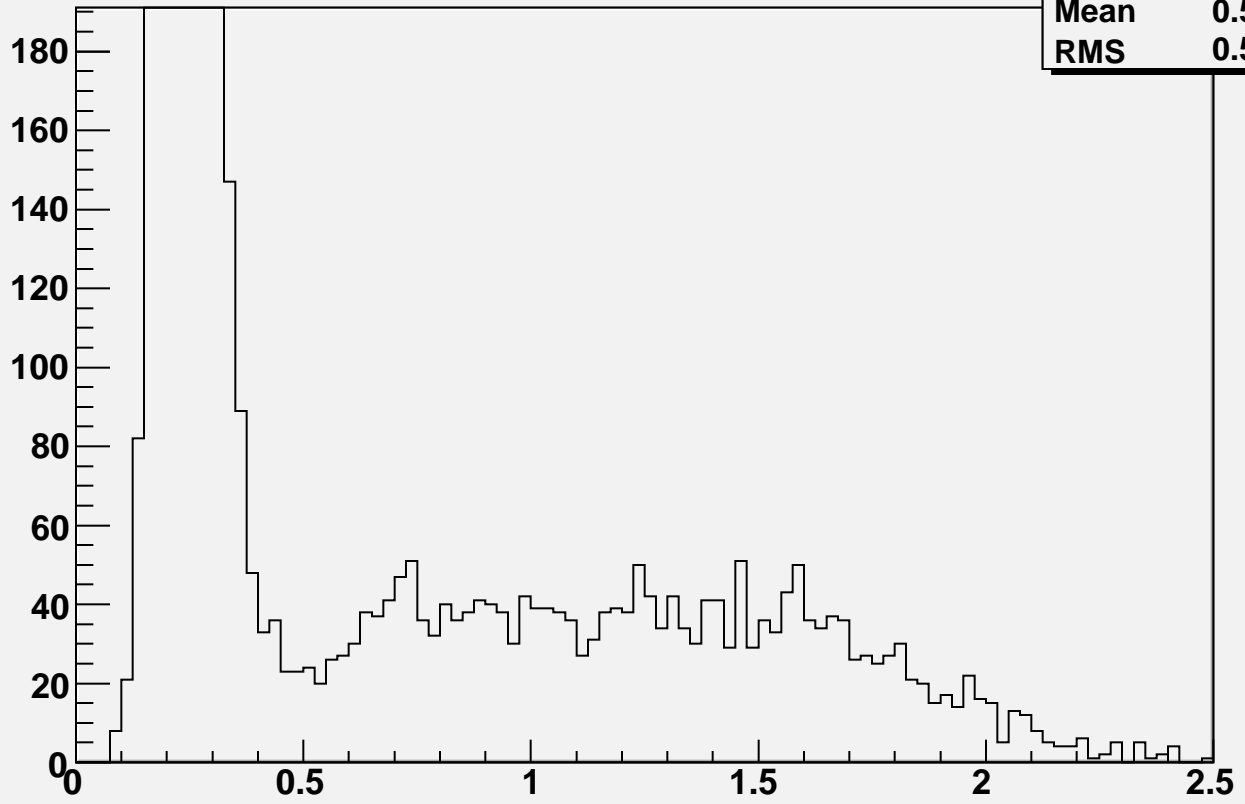
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 2.900000) < .05$

h1	
Entries	6750
Mean	0.5646
RMS	0.5253



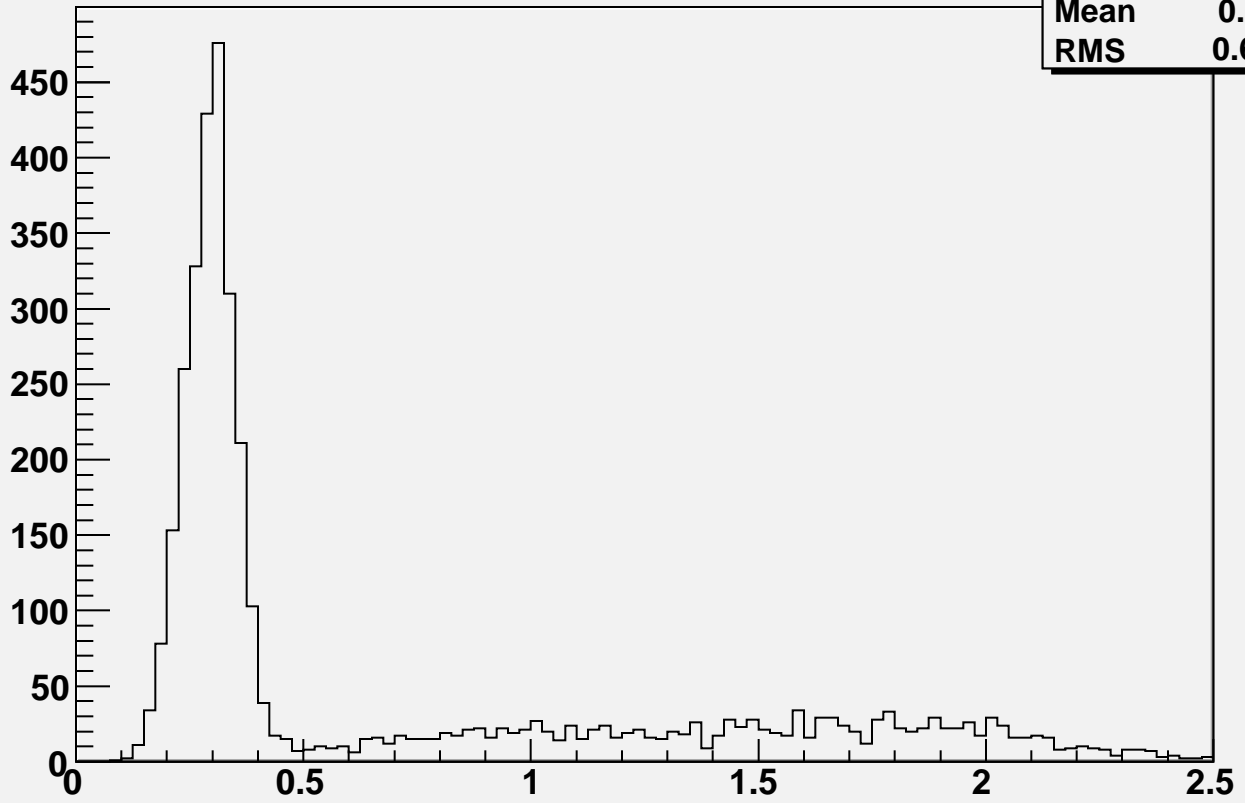
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 2.900000) < .05$

h2	
Entries	6750
Mean	0.5646
RMS	0.5253



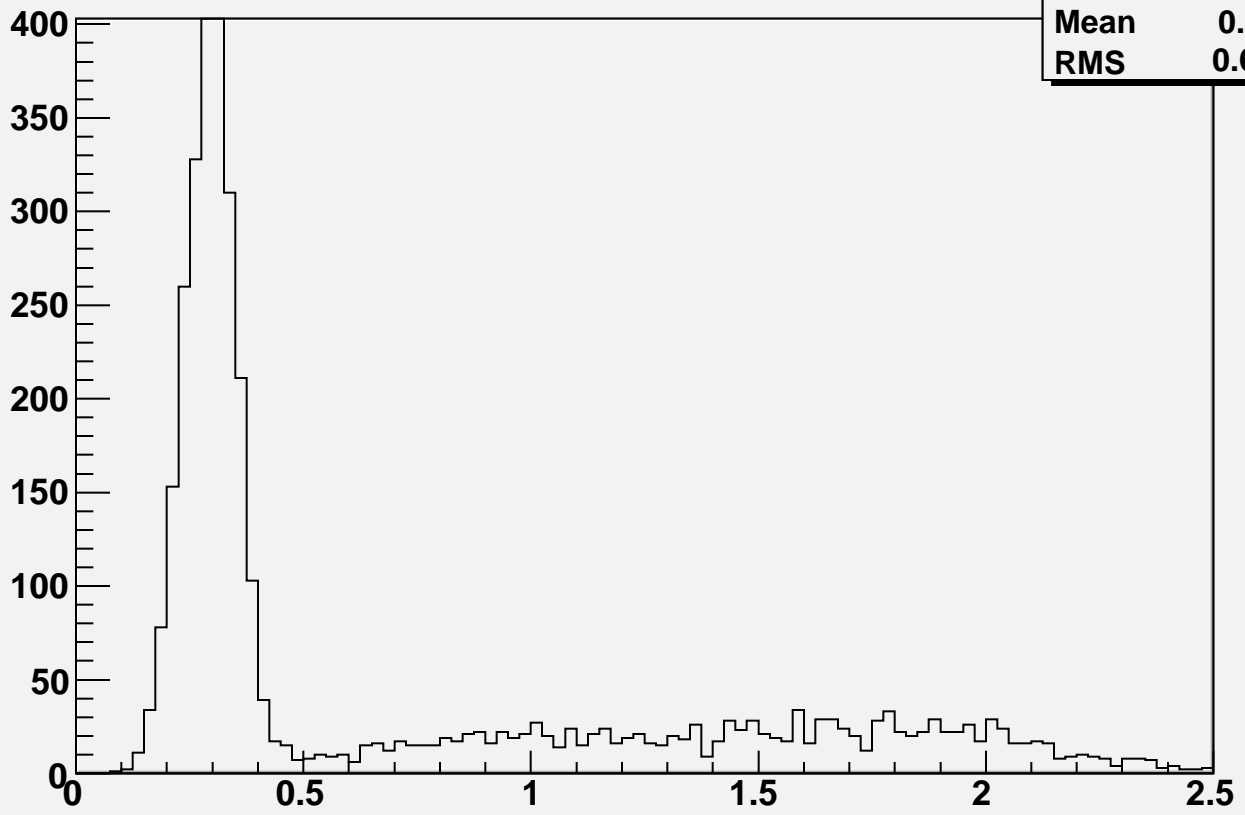
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 60.000000) < 5. \&\& \text{abs}(\text{Eta} - 2.900000) < .05$

h1	
Entries	3862
Mean	0.7071
RMS	0.6266



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

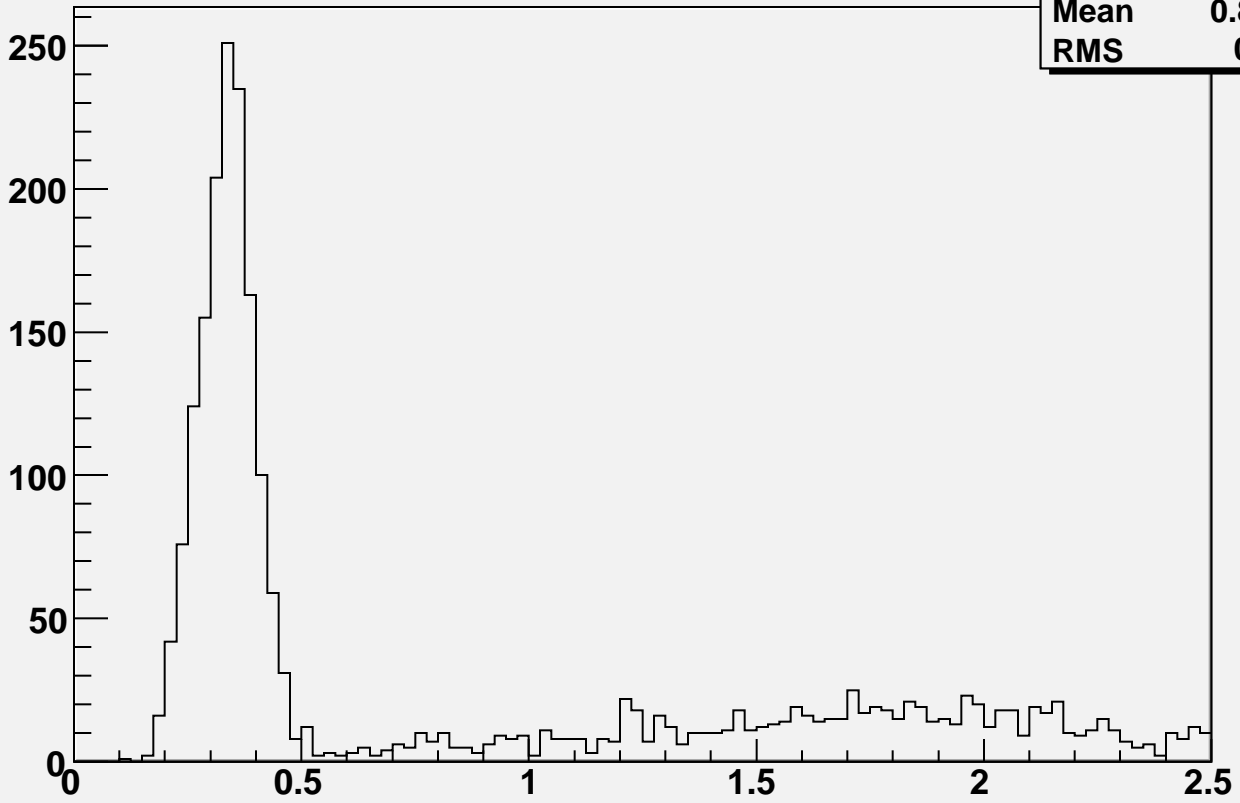
h2	
Entries	3862
Mean	0.7071
RMS	0.6266



$N_{12} = 2 \cdot Z < 0.7 \cdot \text{abs}(E_{12} - 70.000000) < 5 \cdot \text{abs}(\text{Eta} - 2.900000) < 0.05$

h1

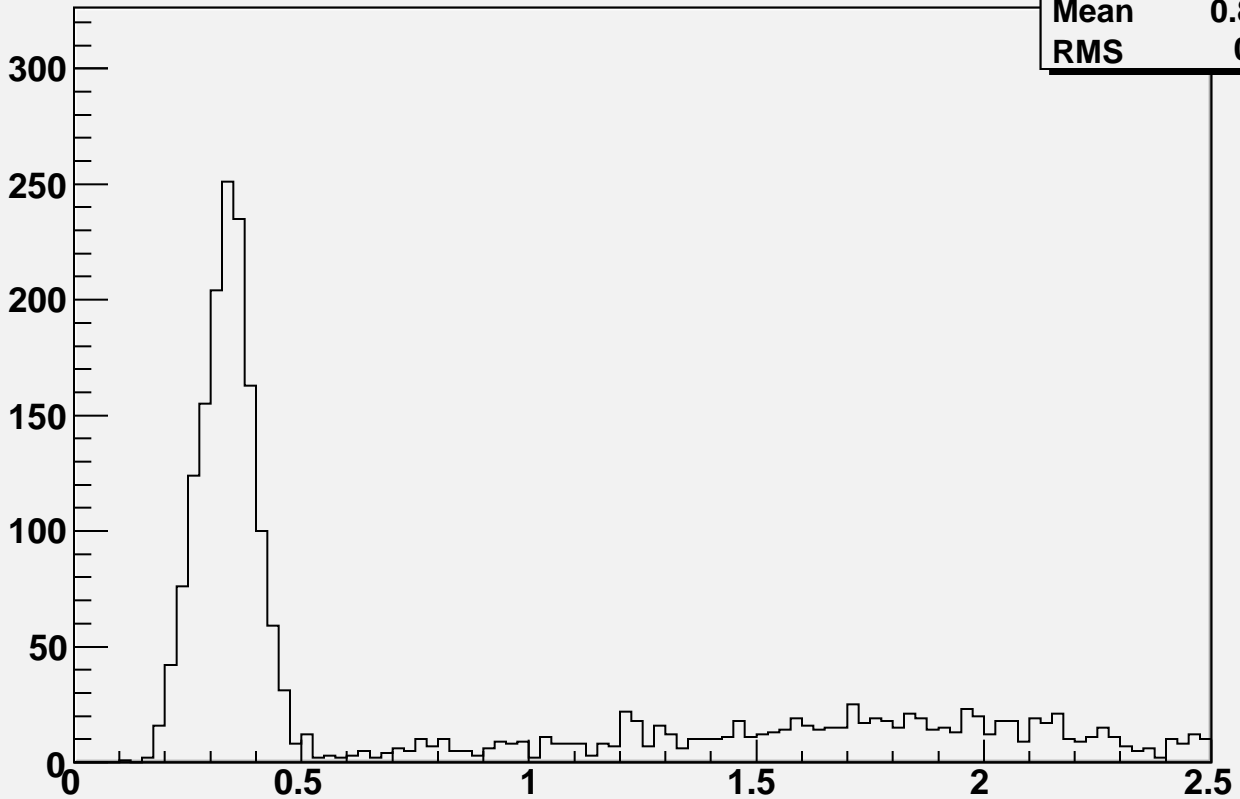
Entries	2414
Mean	0.8256
RMS	0.701



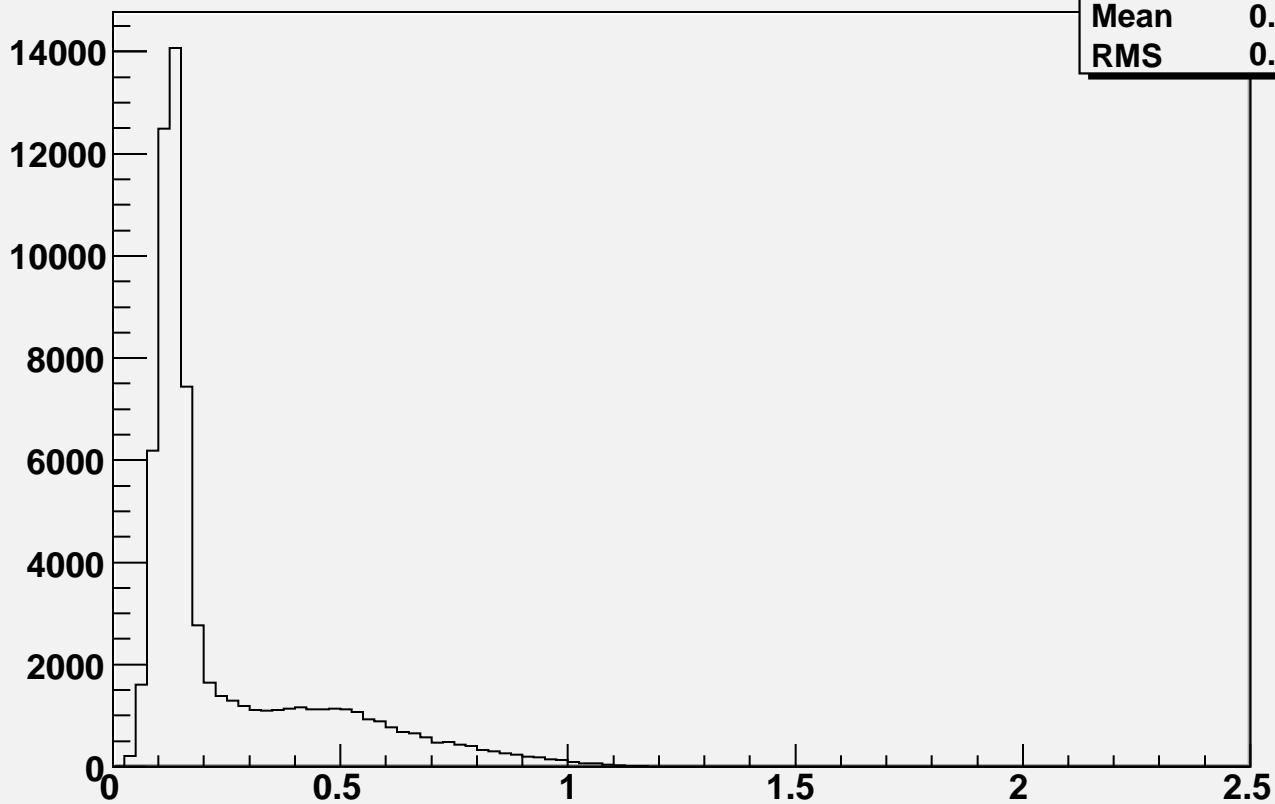
$N_{12} = 2 \cdot Z < 0.7 \cdot \text{abs}(E_{12} - 70.000000) < 5 \cdot \text{abs}(\text{Eta} - 2.900000) < 0.05$

h2

Entries	2414
Mean	0.8256
RMS	0.701

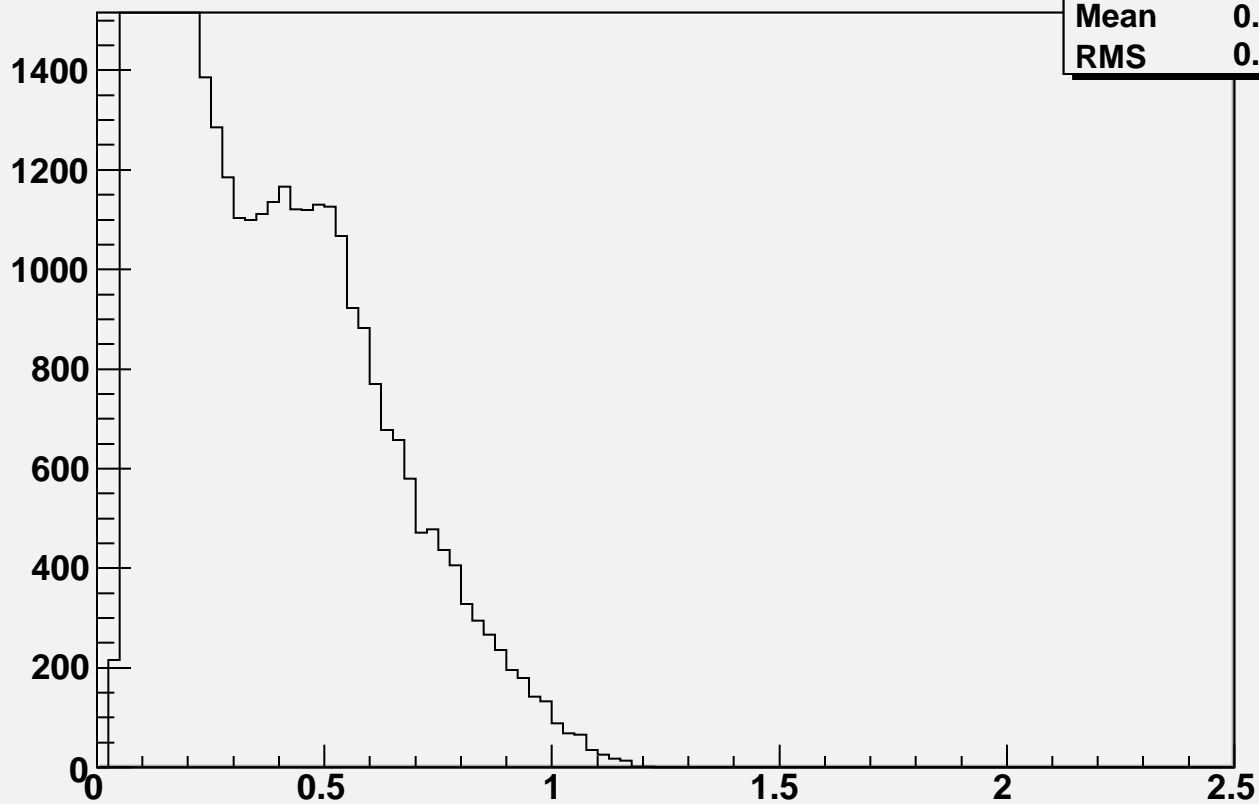


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5 \&\& \text{abs}(\text{Eta} - 2.800000) < .05$



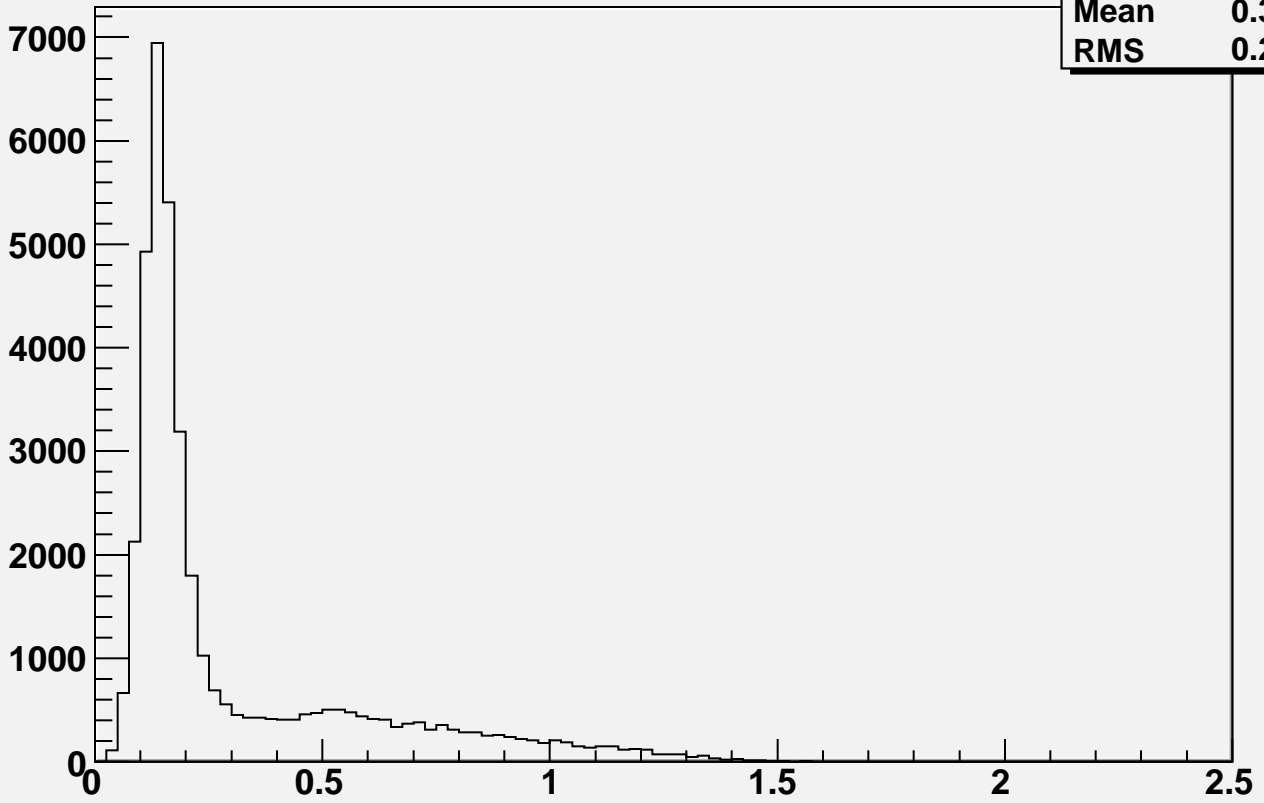
h1	
Entries	69814
Mean	0.2555
RMS	0.2106

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



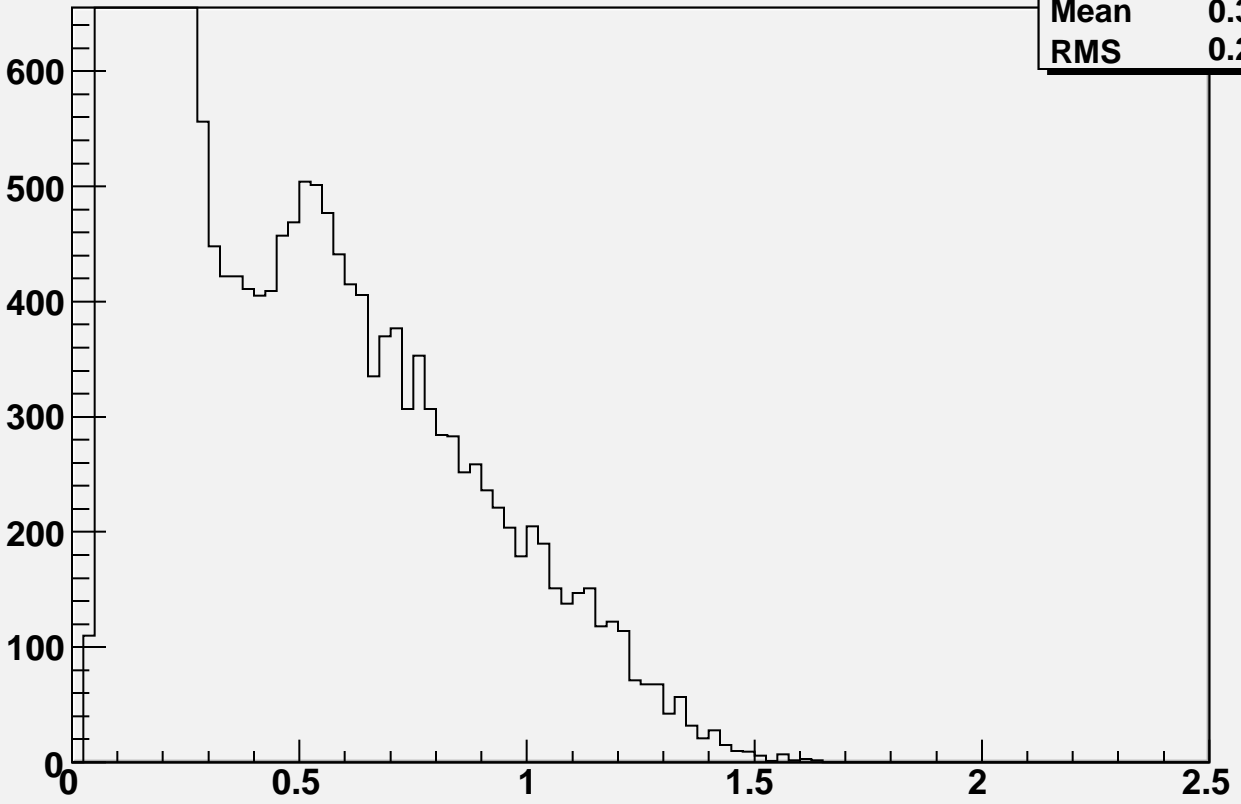
h2	
Entries	69814
Mean	0.2555
RMS	0.2106

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



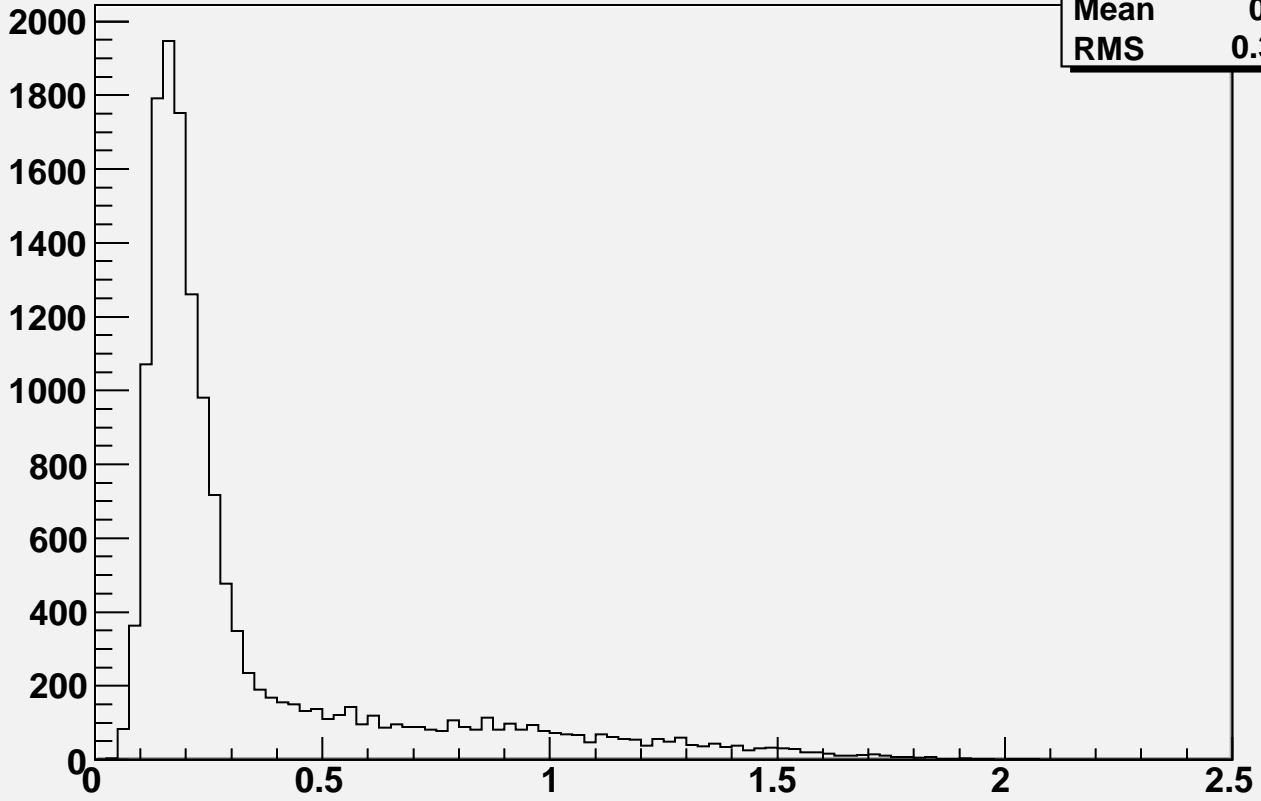
h1	
Entries	39368
Mean	0.3146
RMS	0.2889

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



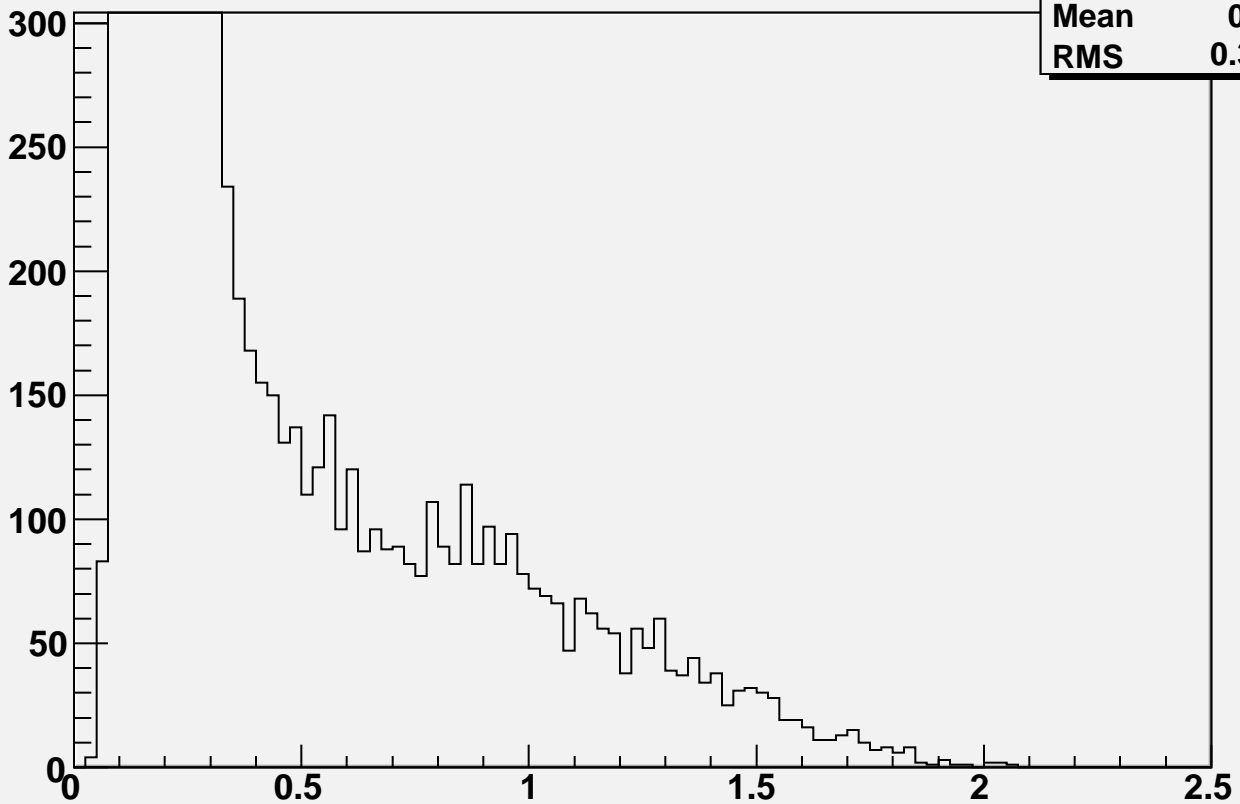
h2	
Entries	39368
Mean	0.3146
RMS	0.2889

$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 40.000000) < 5 \&\& \text{abs}(\text{Eta} - 2.800000) < .05$



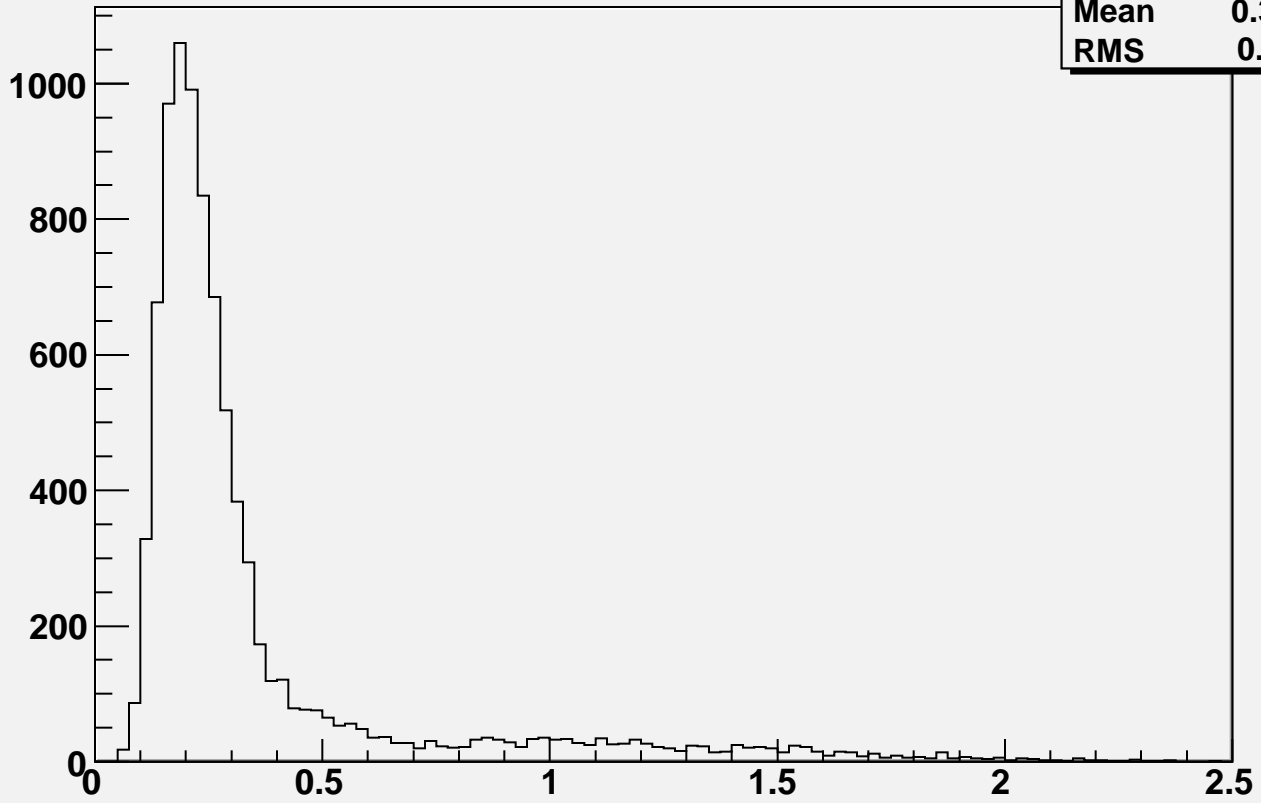
h1	
Entries	15079
Mean	0.359
RMS	0.3433

$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 40.000000) < 5 \&\& \text{abs}(\text{Eta} - 2.800000) < .05$



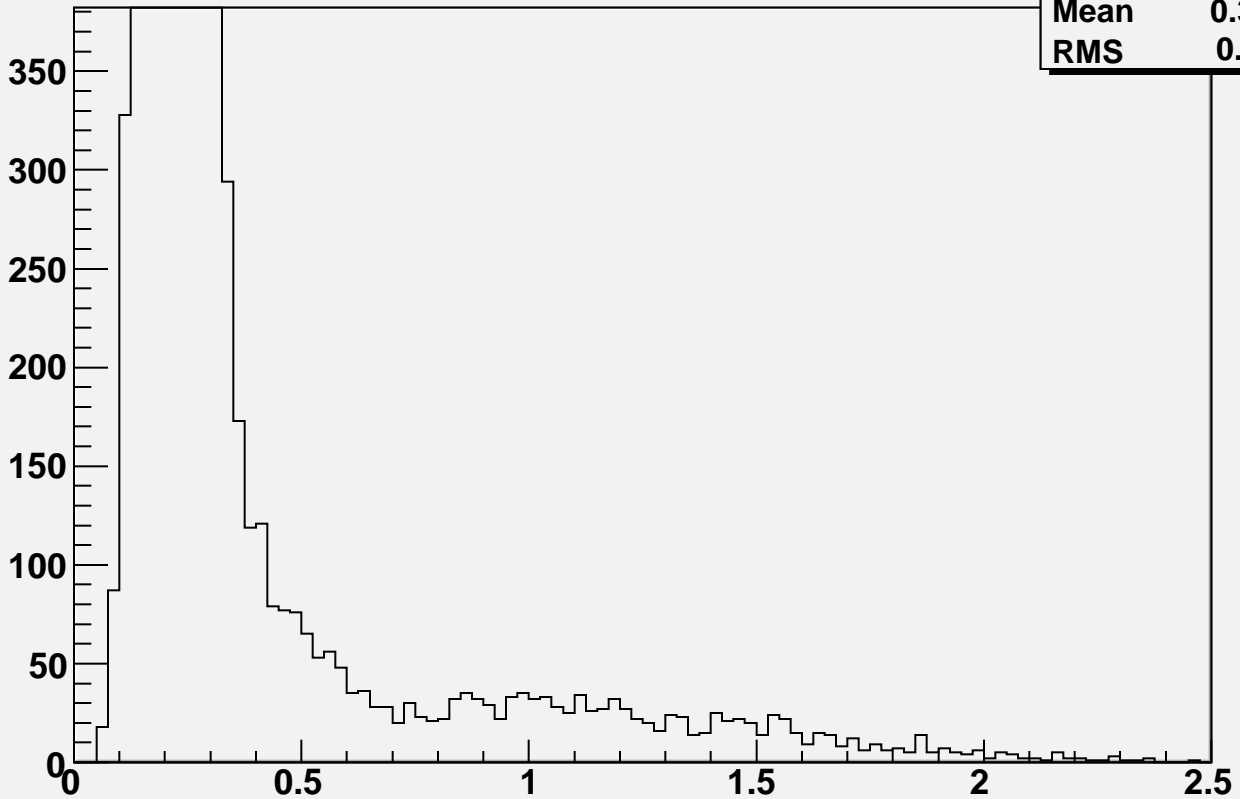
h2	
Entries	15079
Mean	0.359
RMS	0.3433

$N_{12} = 2 & Z < .7 & \text{abs}(E_{12} - 50.000000) < 5. & \text{abs}(\text{Eta} - 2.800000) < .05$



h1	
Entries	8902
Mean	0.3628
RMS	0.3581

$N_{12} = 2 & Z < .7 & \text{abs}(E_{12} - 50.000000) < 5. & \text{abs}(\text{Eta} - 2.800000) < .05$

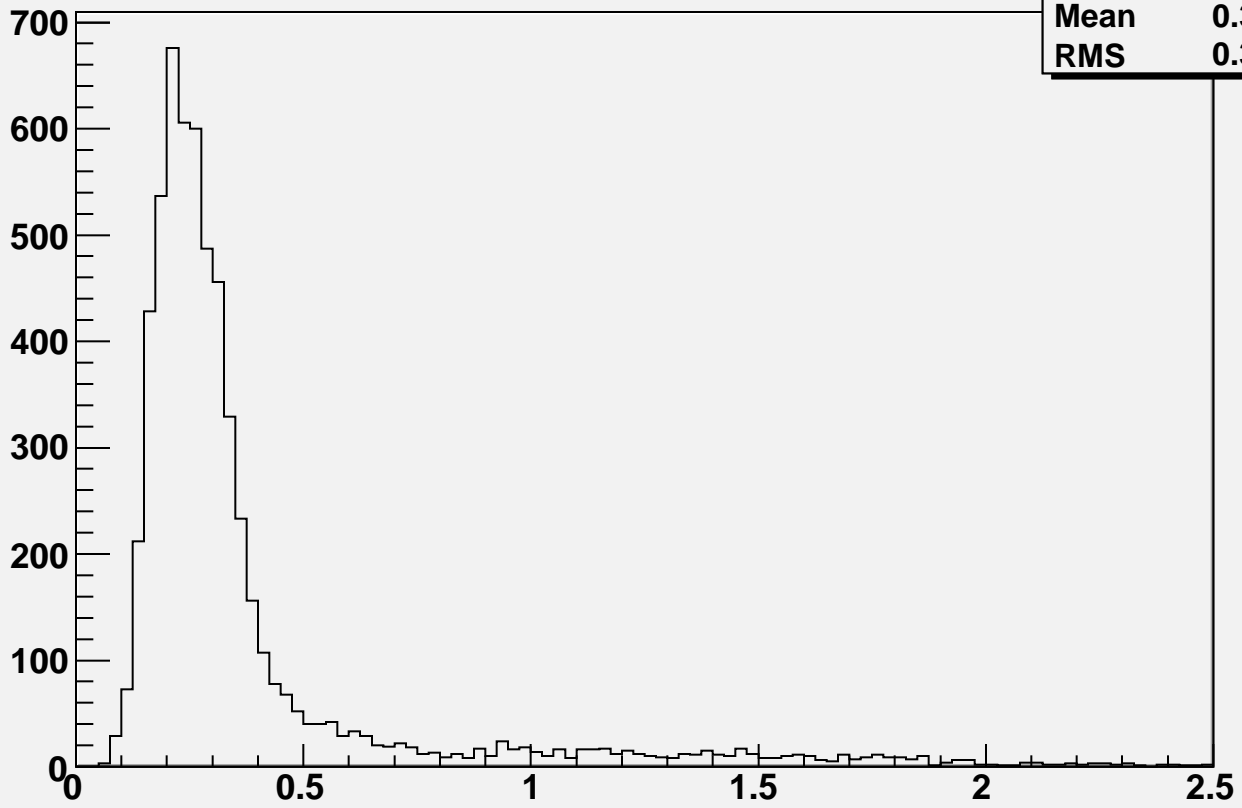


h2	
Entries	8902
Mean	0.3628
RMS	0.3581

$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 60.000000) < 5 \&\& \text{abs}(\text{Eta} - 2.800000) < .05$

h1

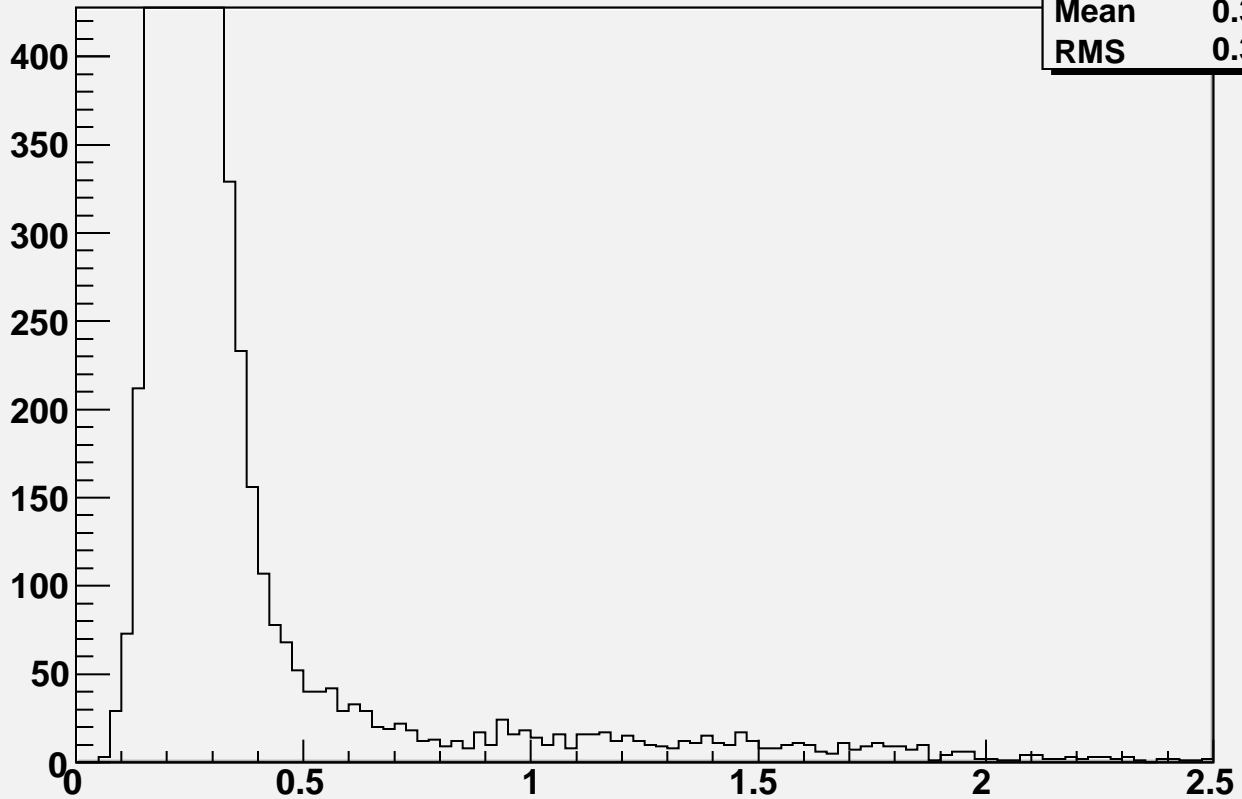
Entries	6008
Mean	0.3817
RMS	0.3575



$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 60.000000) < 5 \&\& \text{abs}(\text{Eta} - 2.800000) < .05$

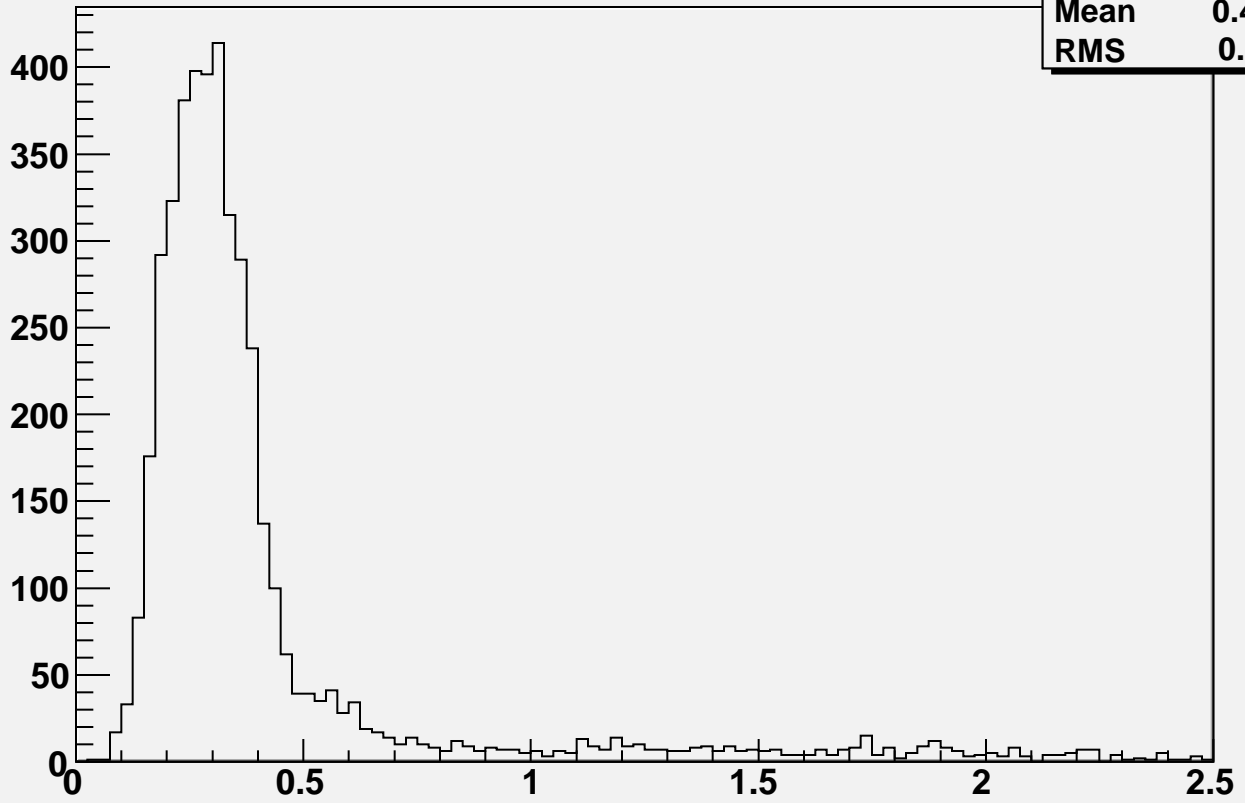
h2

Entries	6008
Mean	0.3817
RMS	0.3575



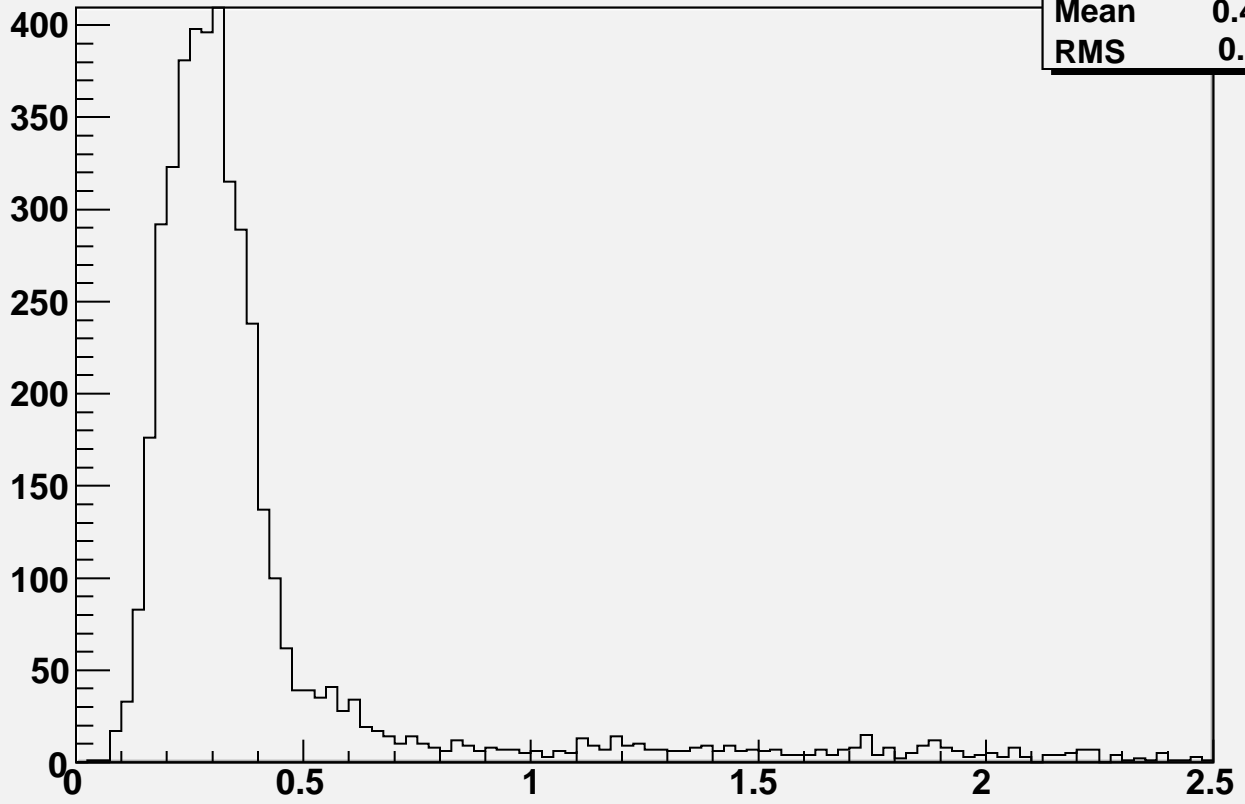
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 70.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 2.800000) < .05$

h1	
Entries	4377
Mean	0.4197
RMS	0.3891

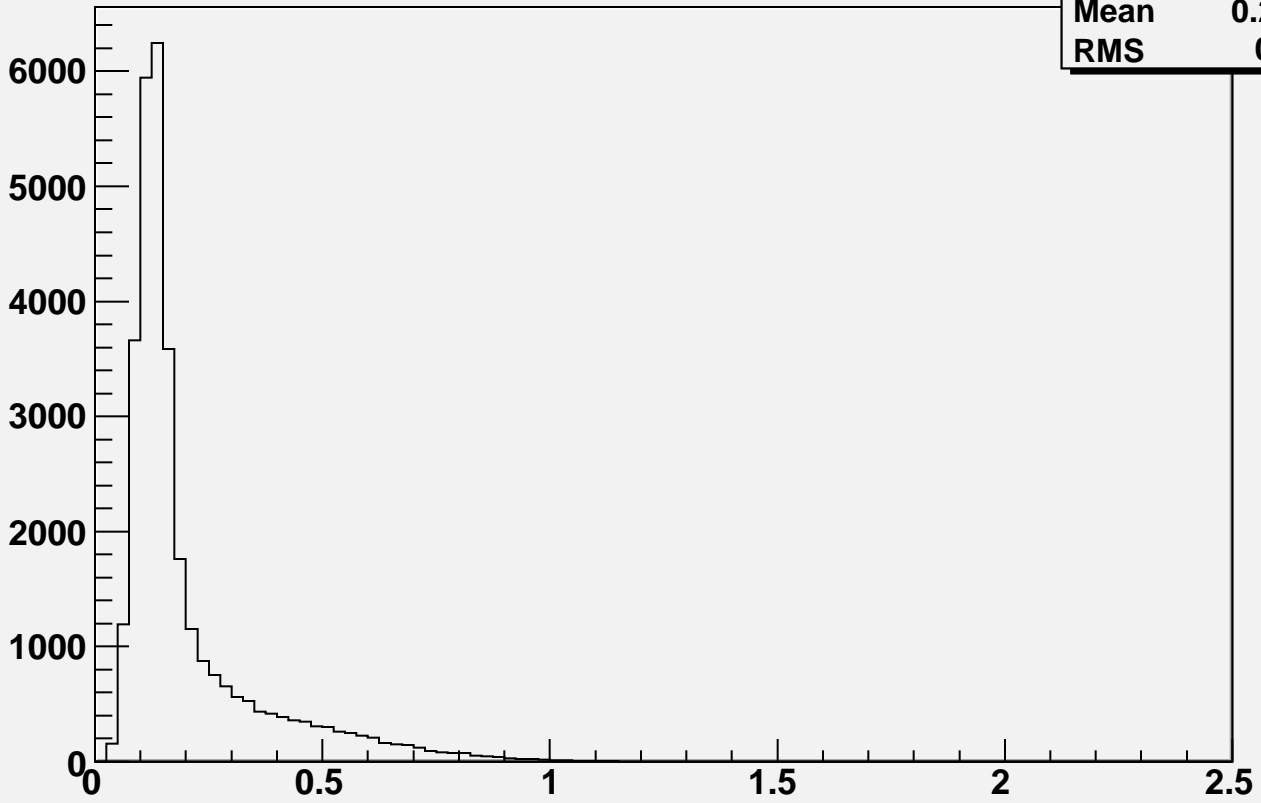


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 70.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 2.800000) < .05$

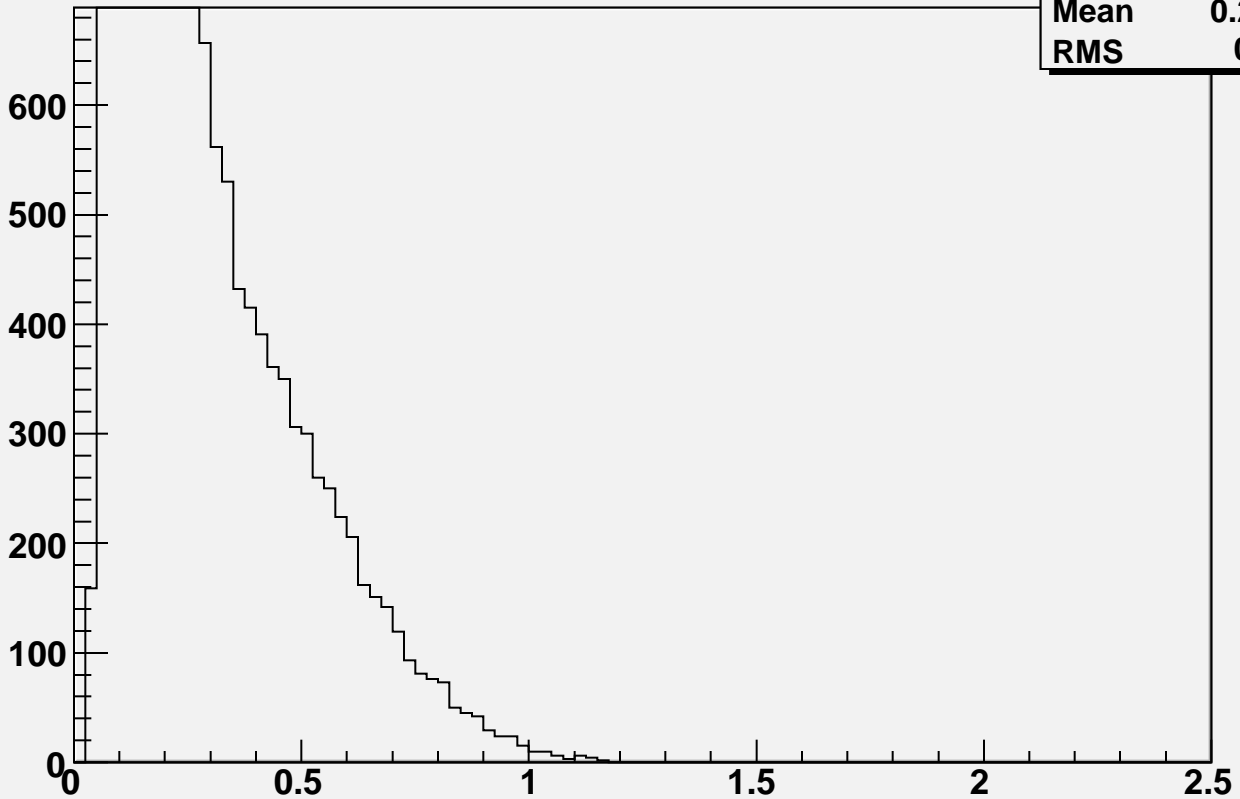
h2	
Entries	4377
Mean	0.4197
RMS	0.3891



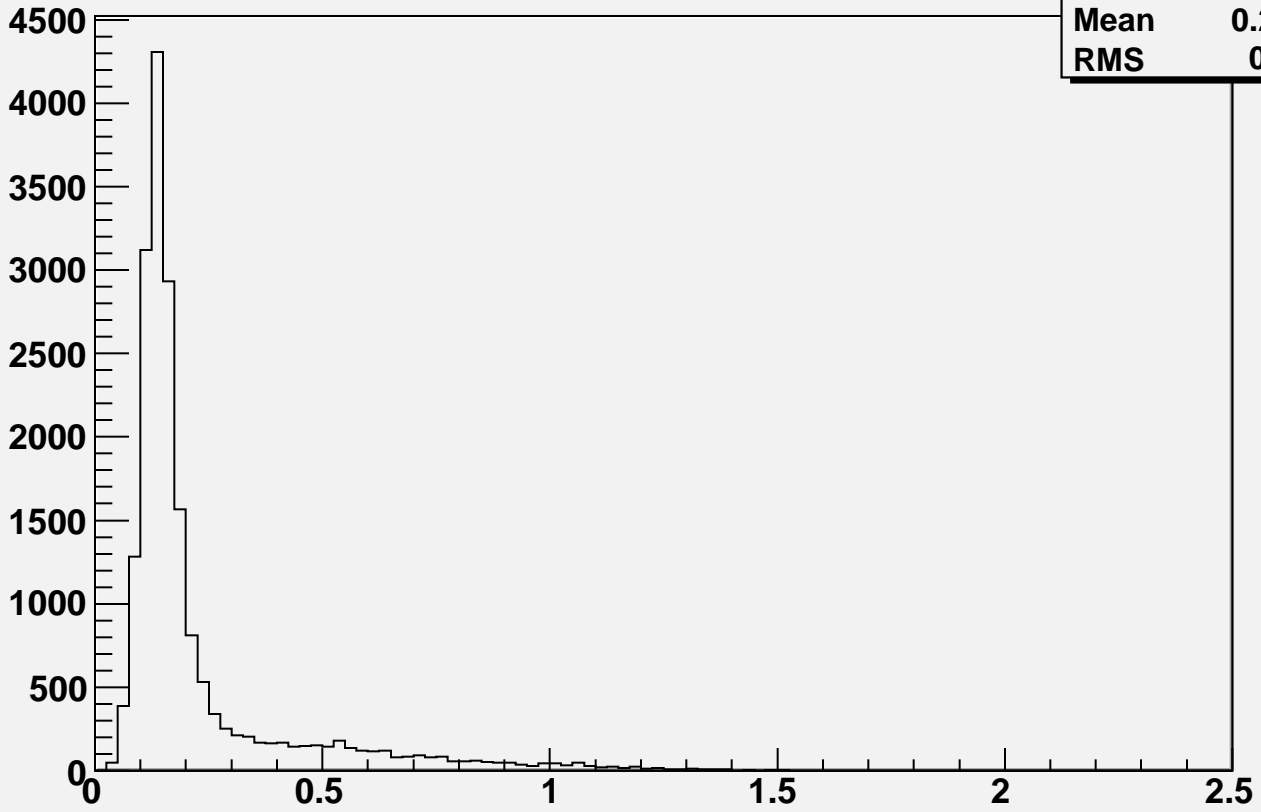
$N_{12} = 2 \times Z < 0.7 \times \text{abs}(E_{12} - 20.000000) < 5 \times \text{abs}(\text{Eta} - 2.700000) < 0.05$



$N_{12} = 2 \times Z < 0.7 \times \text{abs}(E_{12} - 20.000000) < 5 \times \text{abs}(\text{Eta} - 2.700000) < 0.05$

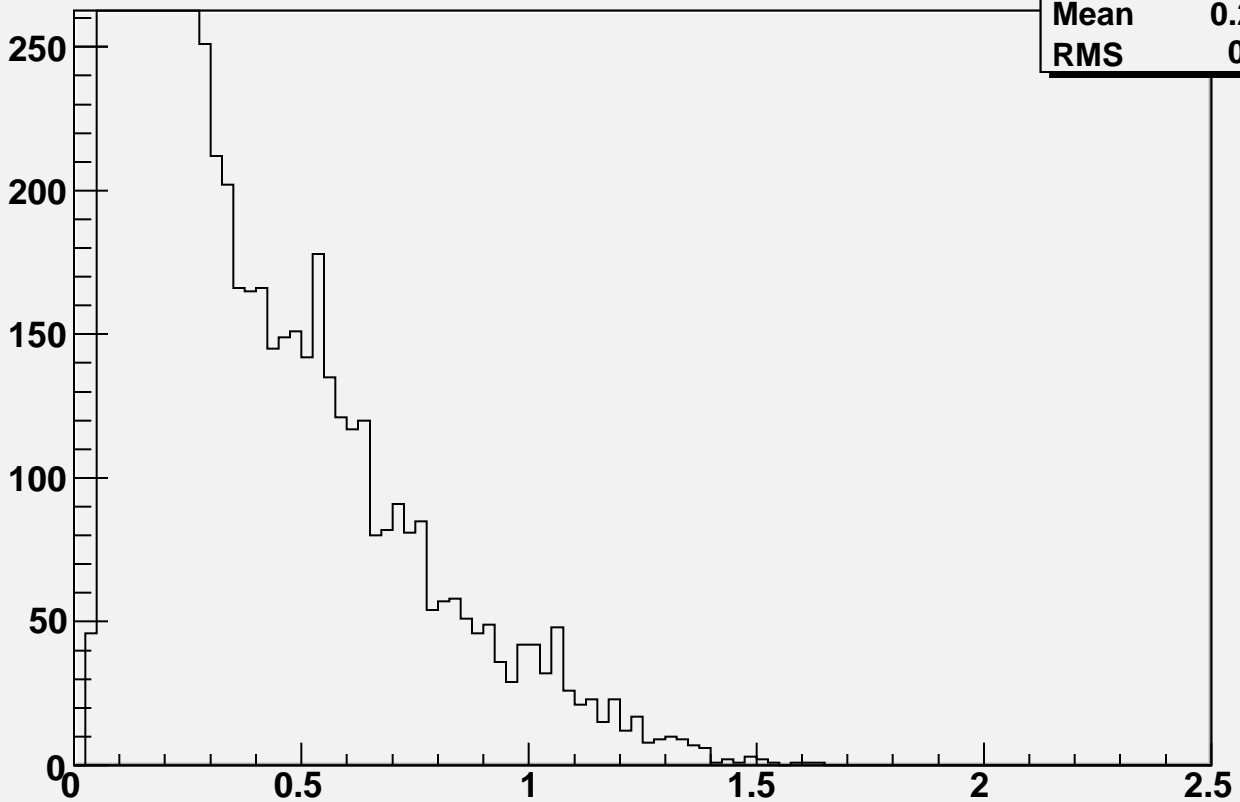


$N_{12} = 2 \text{ \&Z} < .7 \text{ \&abs}(E_{12} - 30.000000) < 5 \text{ \&abs}(\text{Eta} - 2.700000) < .05$



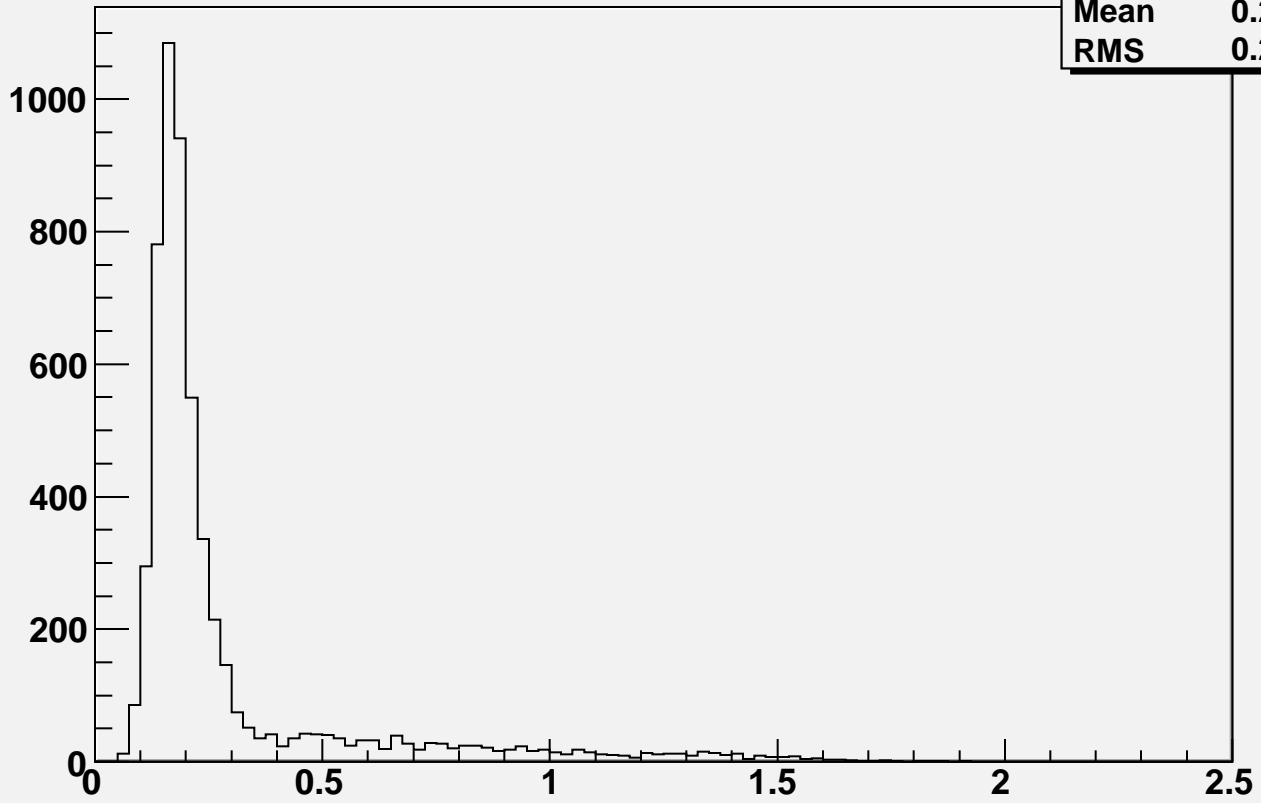
h1	
Entries	18904
Mean	0.2299
RMS	0.209

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



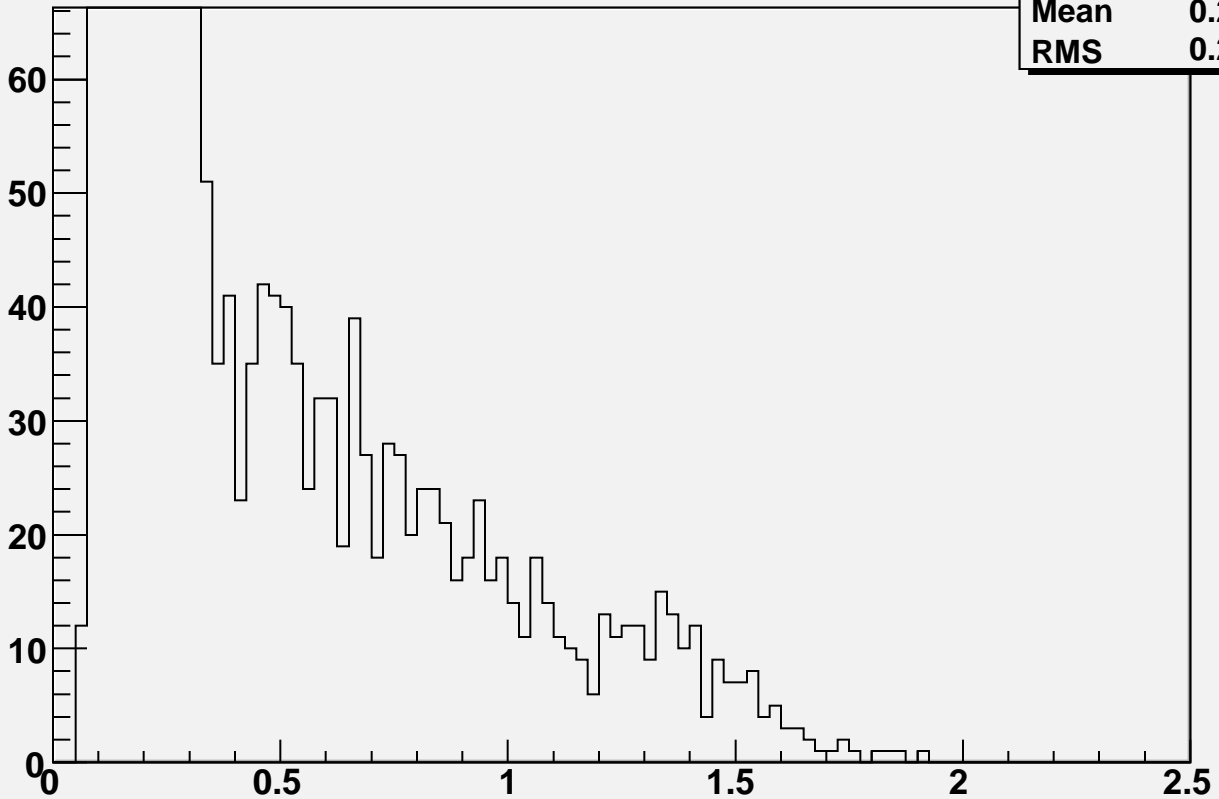
h2	
Entries	18904
Mean	0.2299
RMS	0.209

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



h1	
Entries	5549
Mean	0.2934
RMS	0.2825

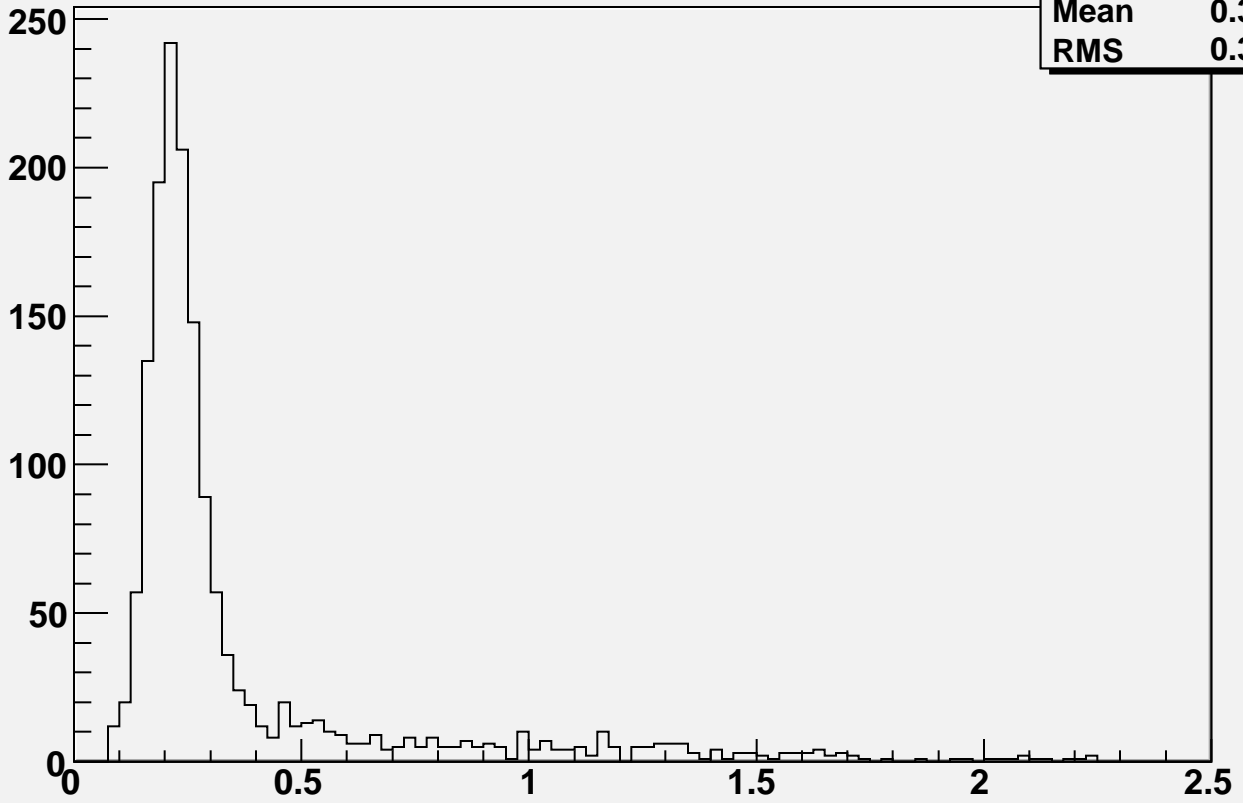
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5 \text{ \& \& } \text{abs}(\text{Eta} - 2.700000) < .05$



h2	
Entries	5549
Mean	0.2934
RMS	0.2825

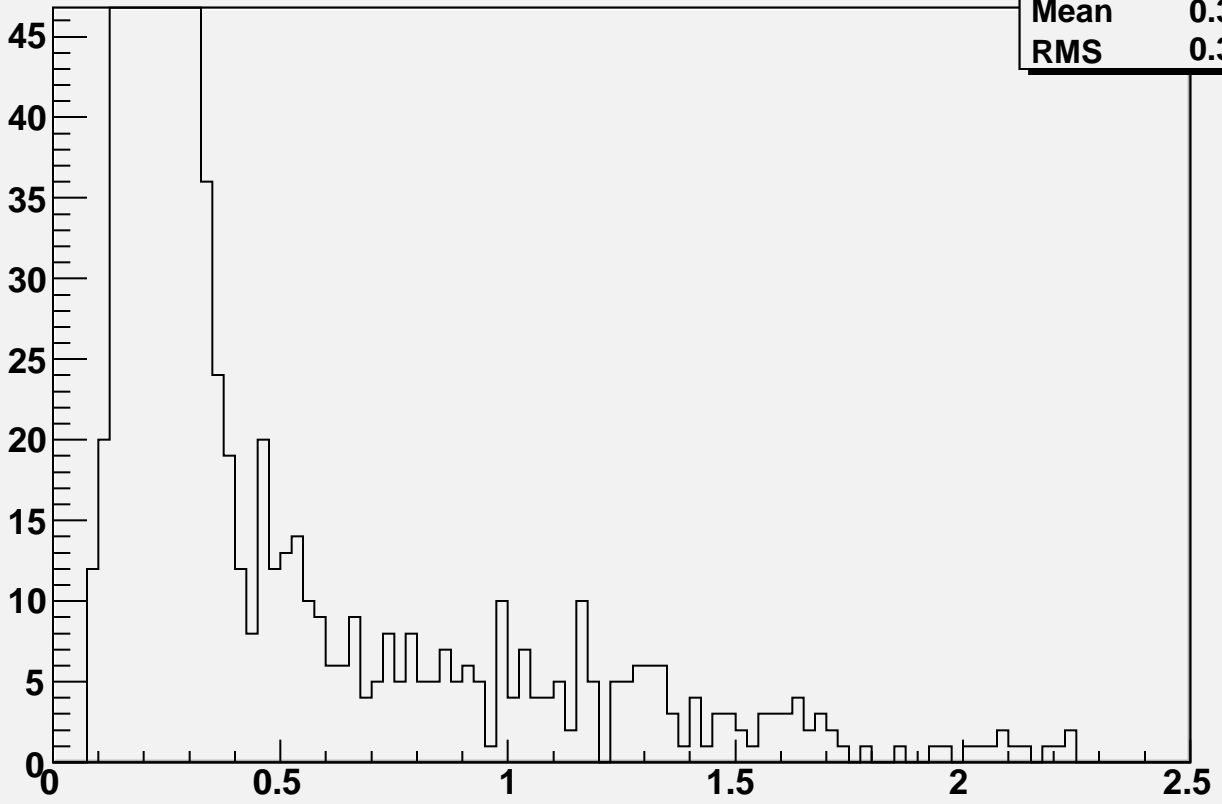
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 2.700000) < .05$

h1	
Entries	1557
Mean	0.3713
RMS	0.3533



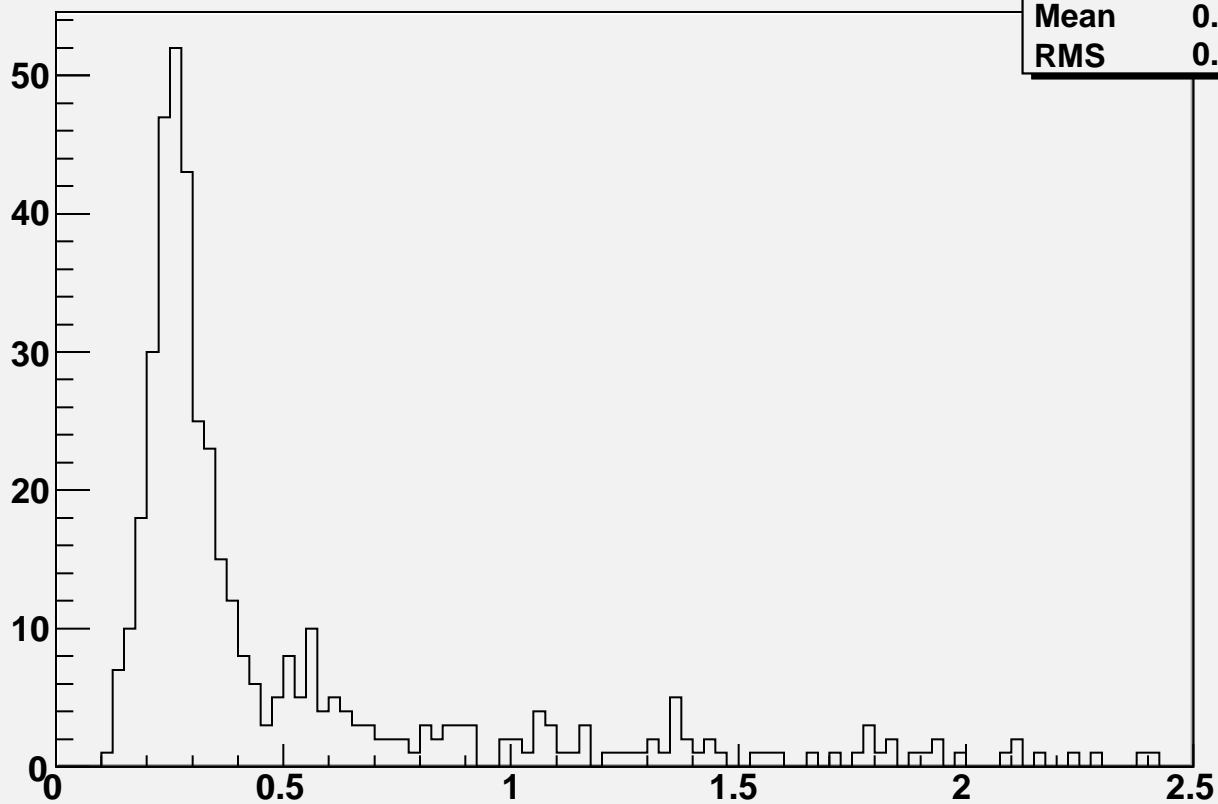
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 2.700000) < .05$

h2	
Entries	1557
Mean	0.3713
RMS	0.3533



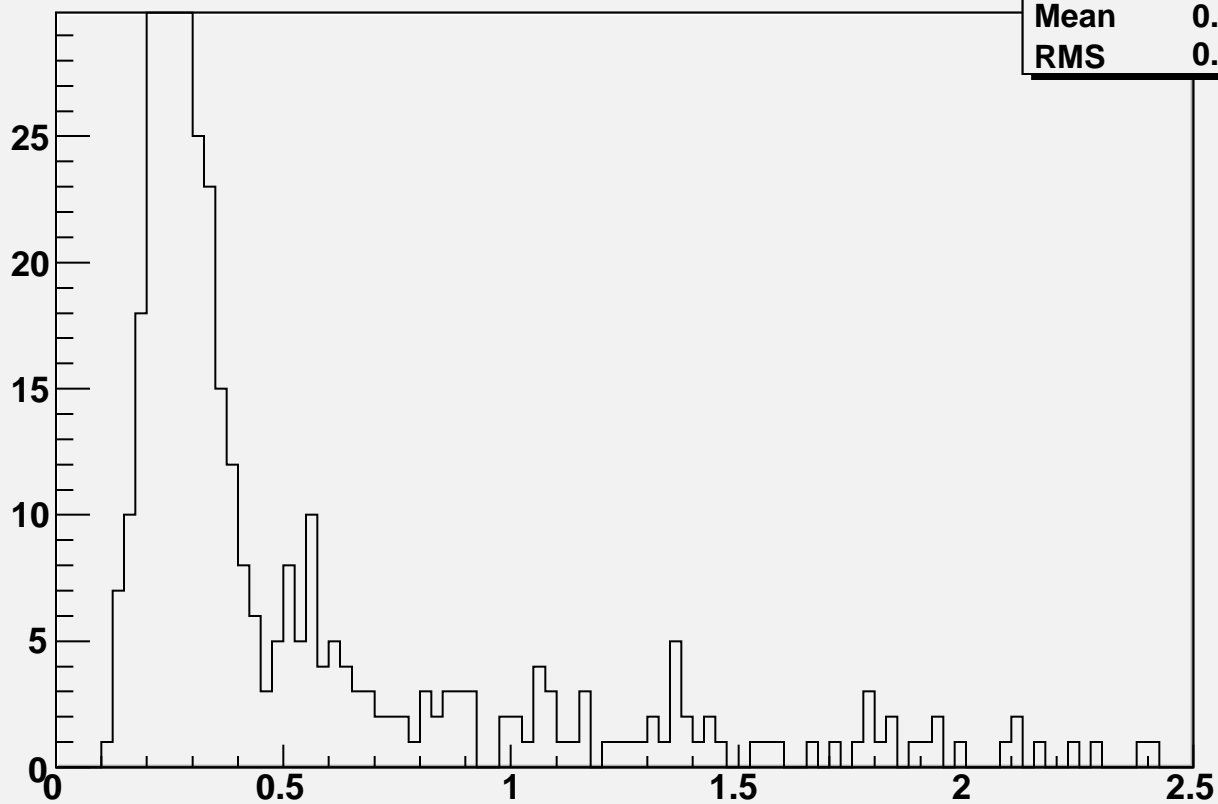
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 60.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 2.700000) < .05$

h1	
Entries	428
Mean	0.5079
RMS	0.4592



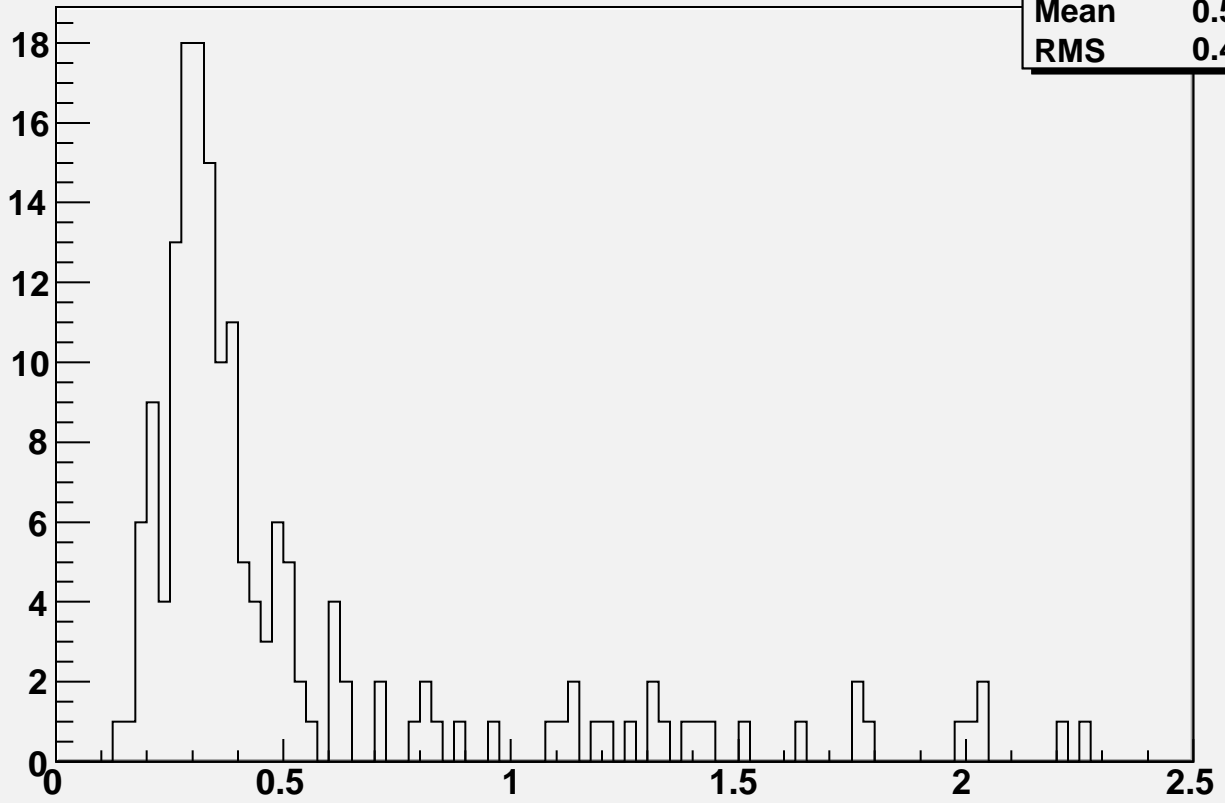
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 60.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 2.700000) < .05$

h2	
Entries	428
Mean	0.5079
RMS	0.4592



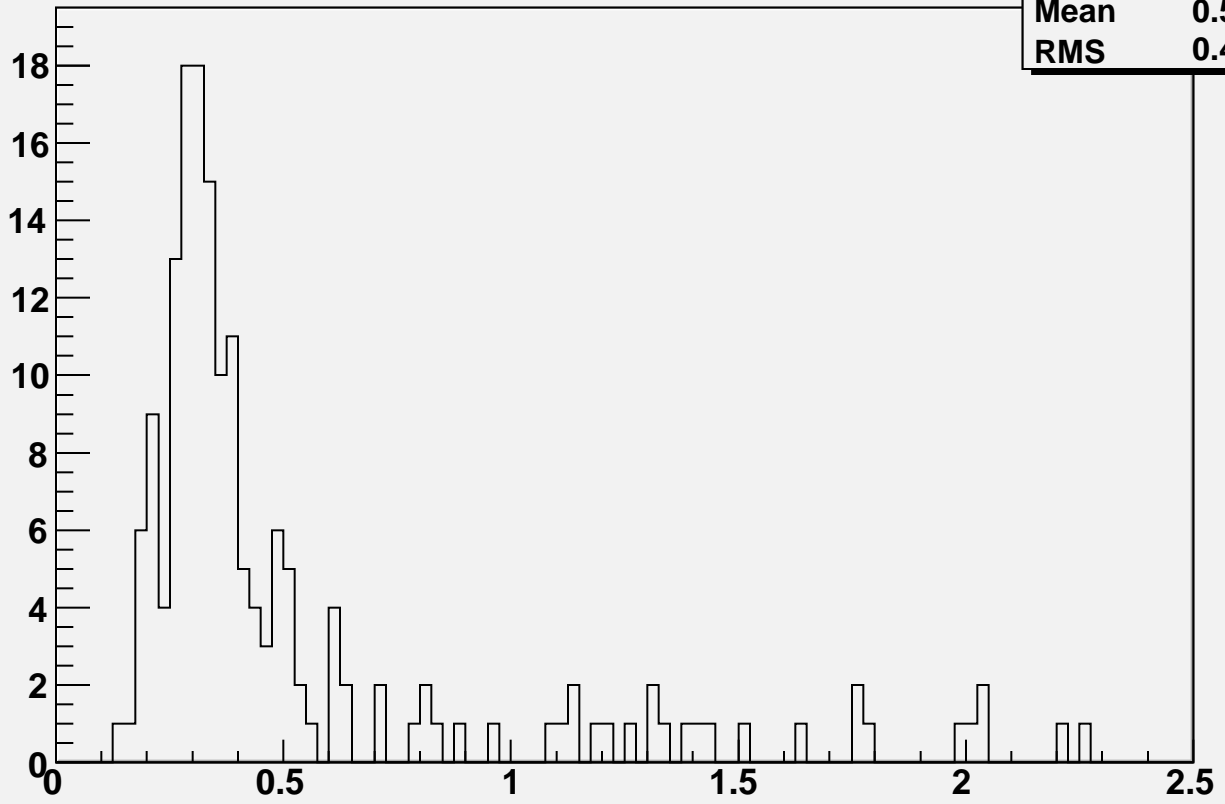
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 70.000000) < 5 \text{ \& \& } \text{abs}(\text{Eta} - 2.700000) < .05$

h1	
Entries	172
Mean	0.5376
RMS	0.4572



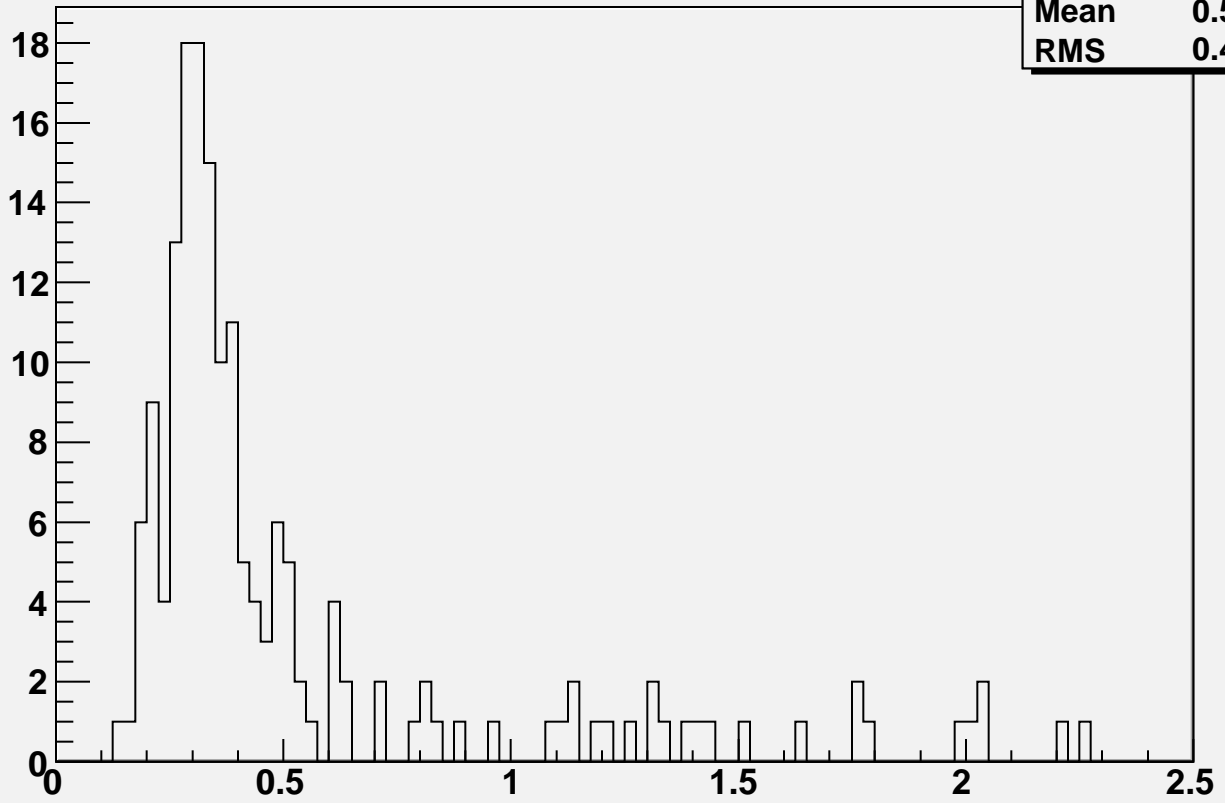
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 70.000000) < 5 \text{ \& \& } \text{abs}(\text{Eta} - 2.700000) < .05$

h2	
Entries	172
Mean	0.5376
RMS	0.4572



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

h1	
Entries	172
Mean	0.5376
RMS	0.4572



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

h2	
Entries	172
Mean	0.5376
RMS	0.4572

