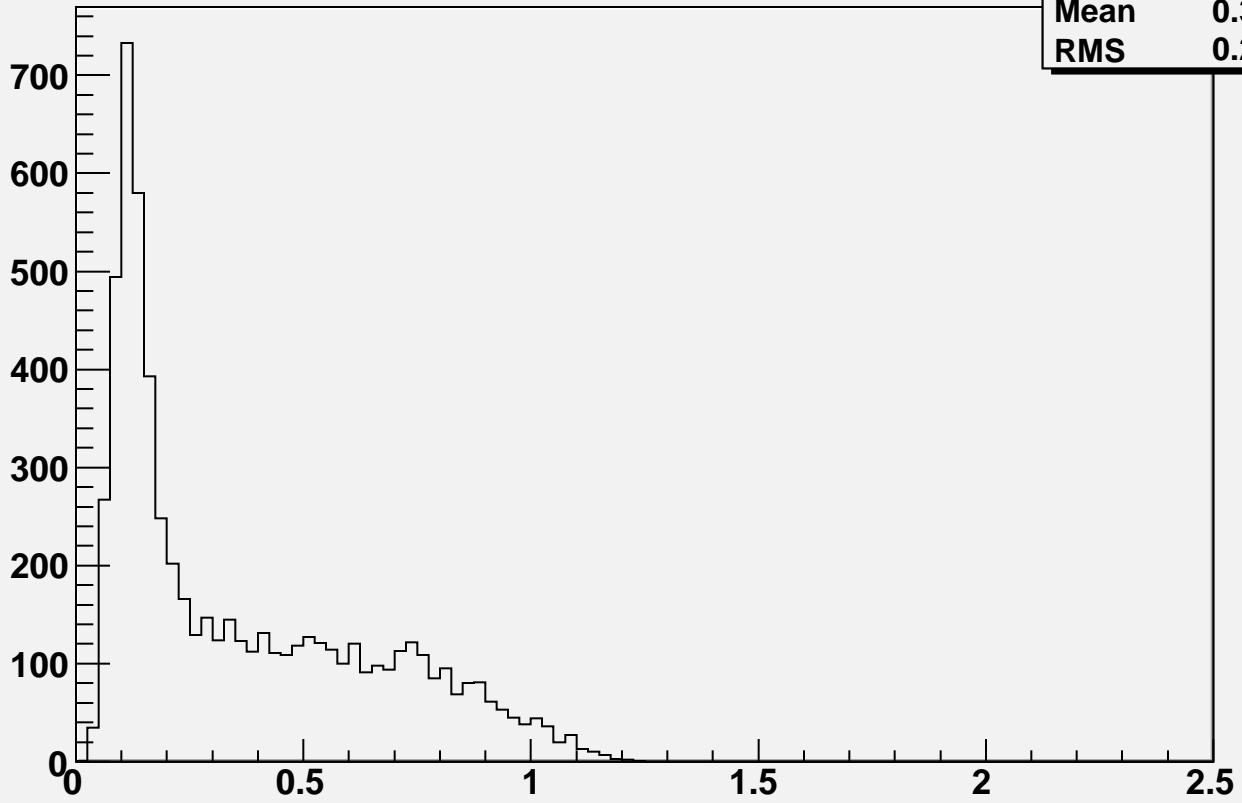


$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 20.000000) < 5. \text{ \& \& abs}(\text{Eta} - 3.900000) < .05$

h1

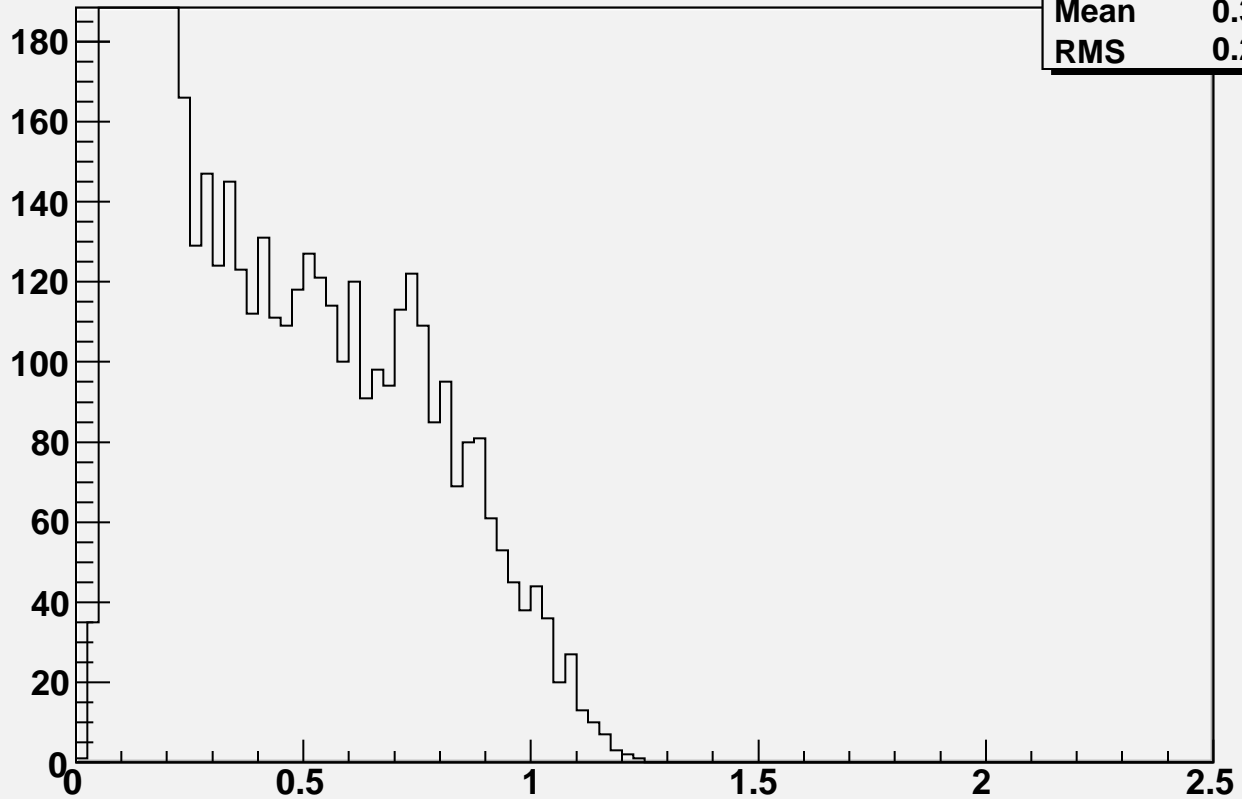
Entries	6347
Mean	0.3702
RMS	0.2848



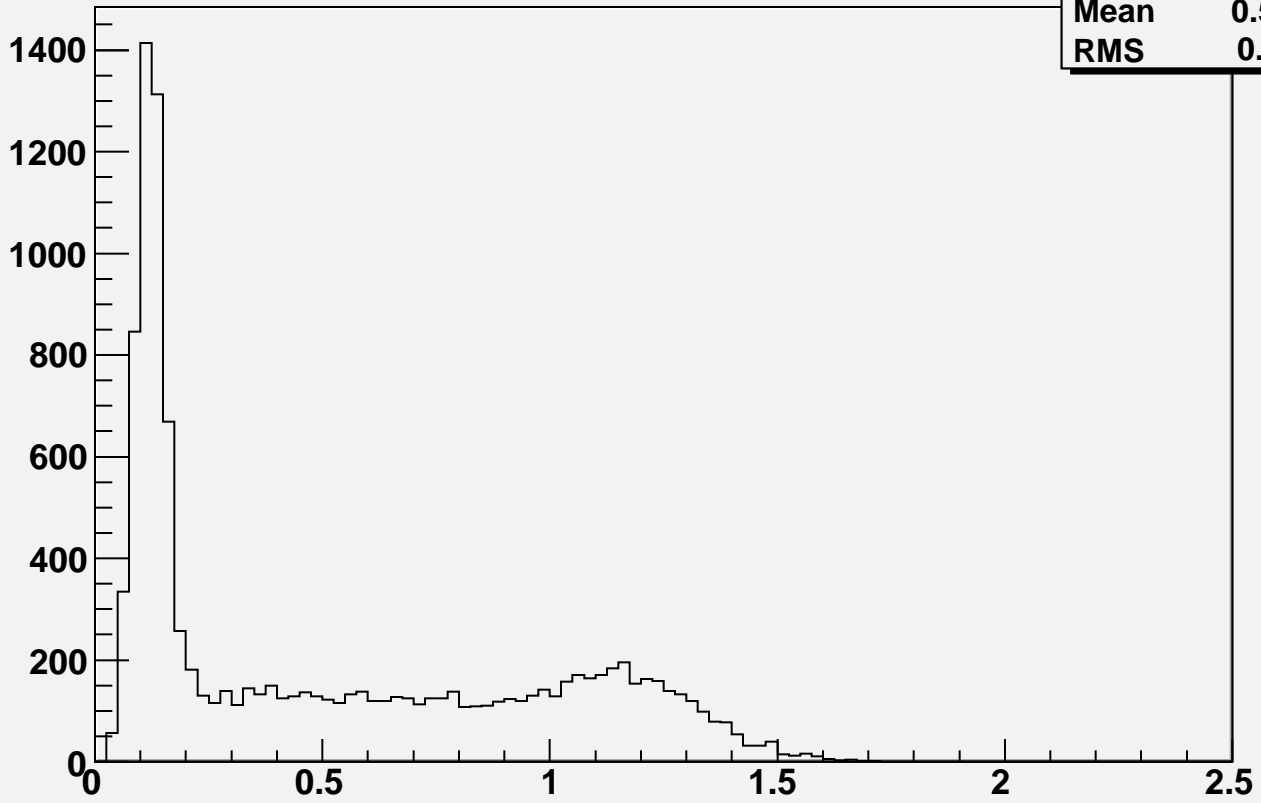
$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 20.000000) < 5. \text{ \& \& abs}(\text{Eta} - 3.900000) < .05$

h2

Entries	6347
Mean	0.3702
RMS	0.2848

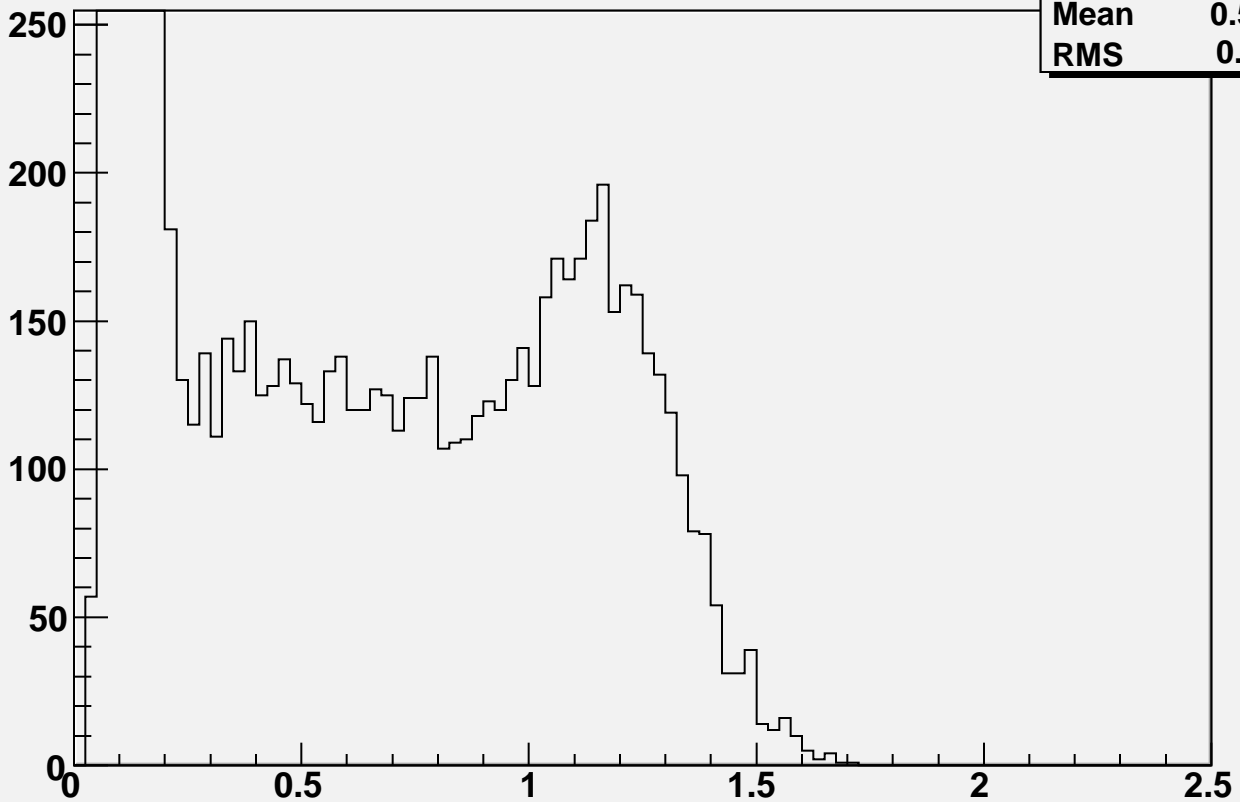


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 30.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.900000) < .05$



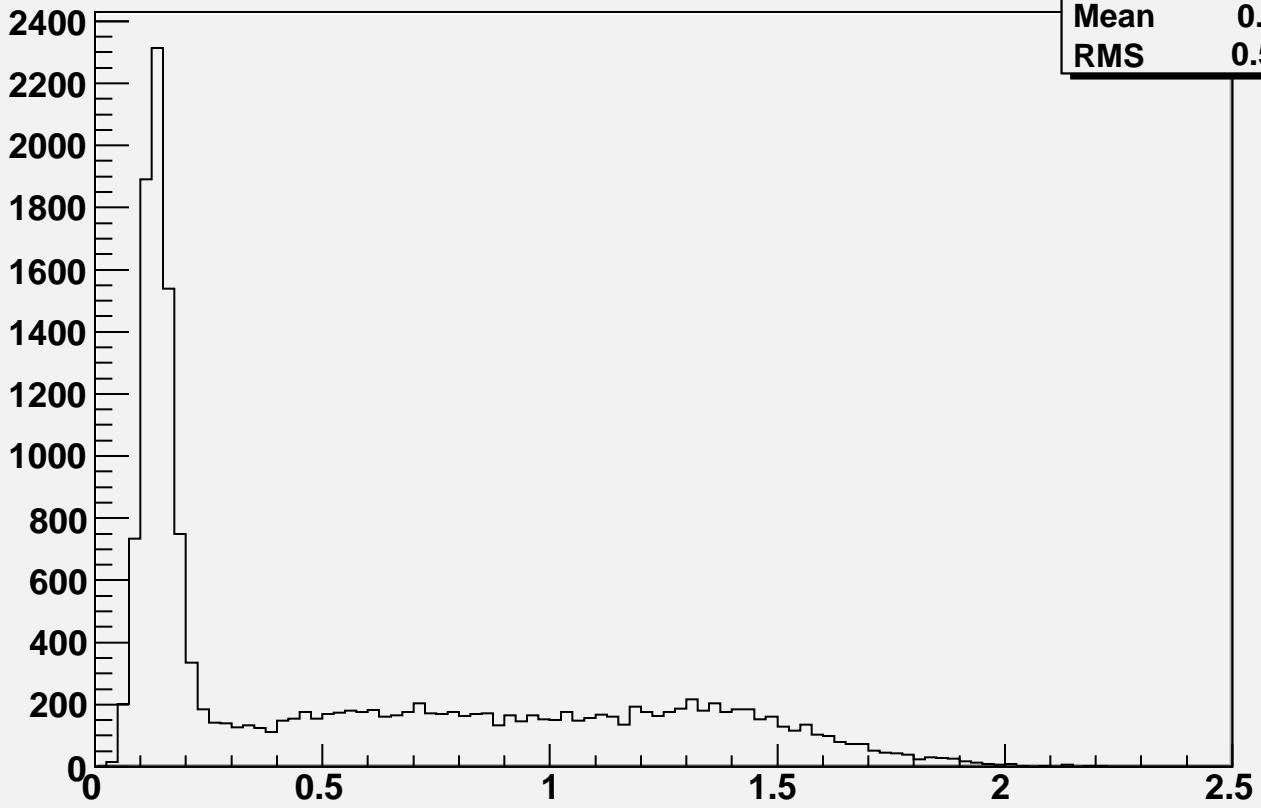
h1	
Entries	11481
Mean	0.5252
RMS	0.4431

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



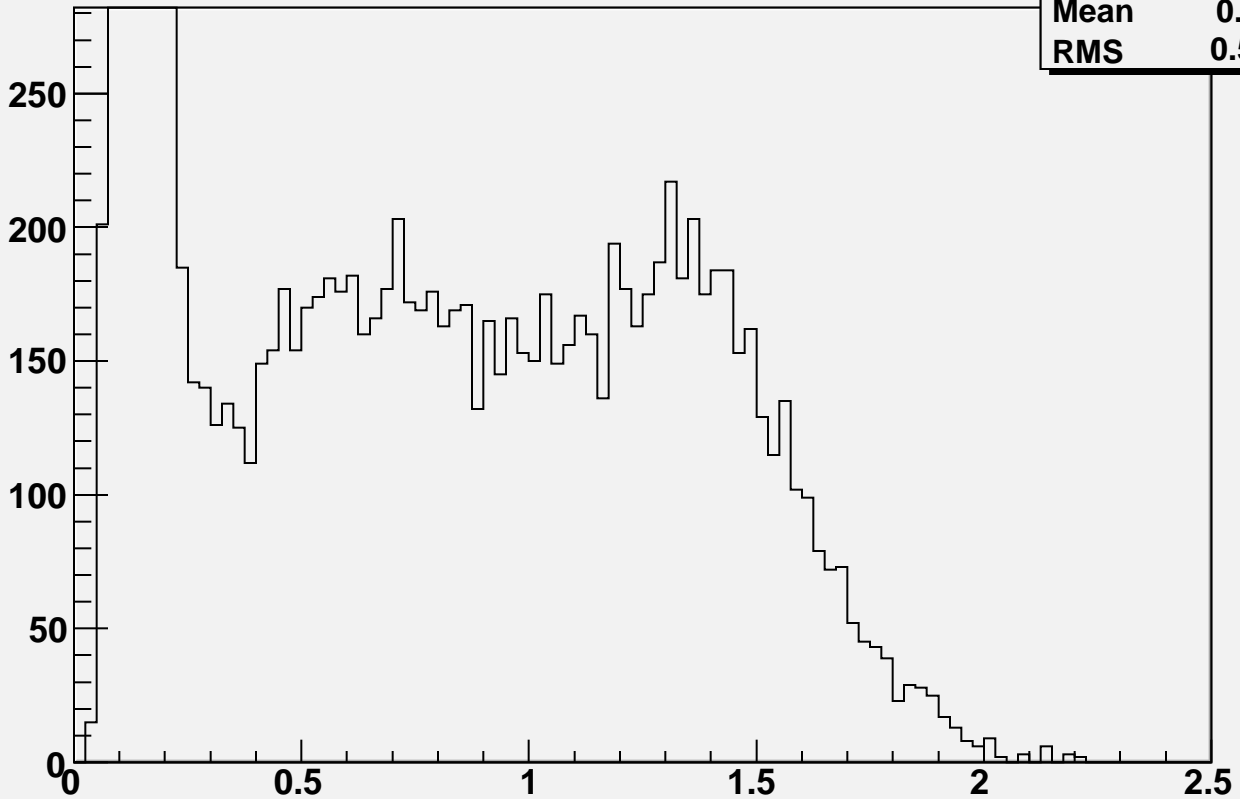
h2	
Entries	11481
Mean	0.5252
RMS	0.4431

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



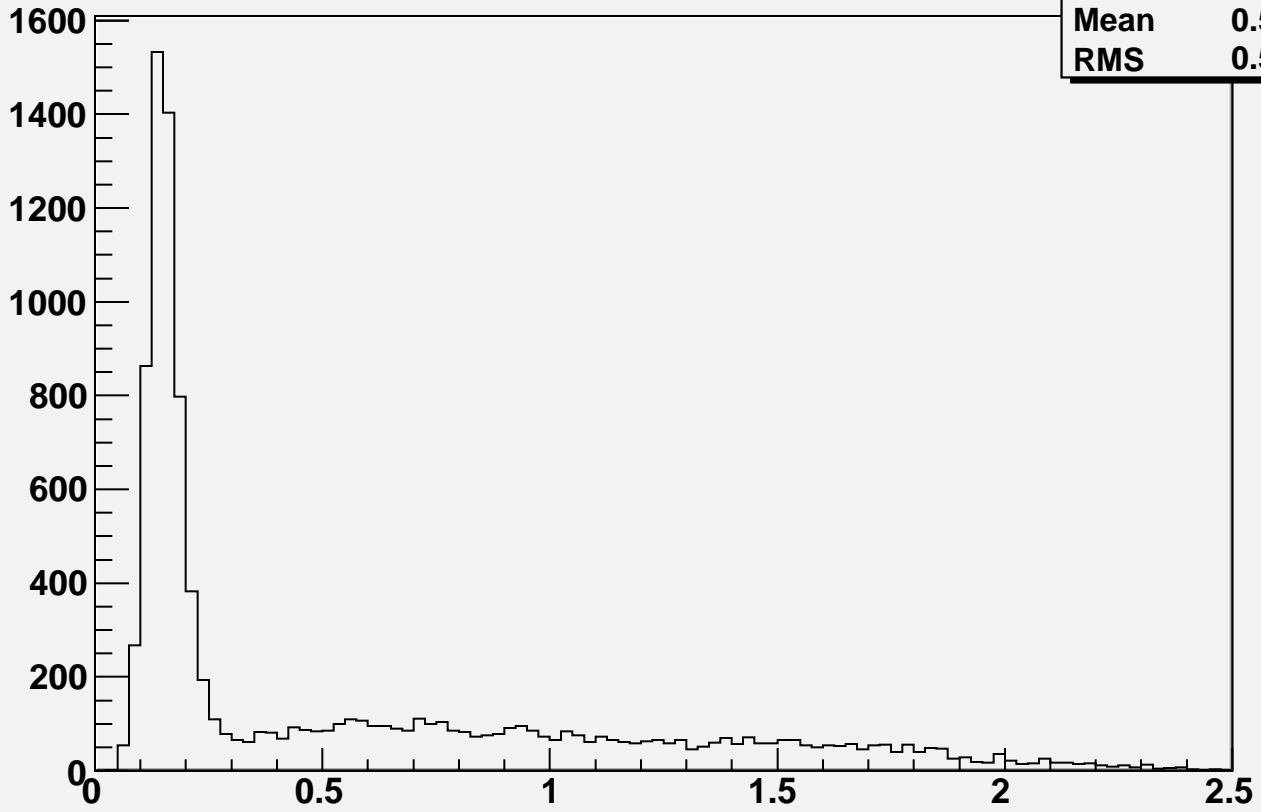
h1	
Entries	17346
Mean	0.6001
RMS	0.5252

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



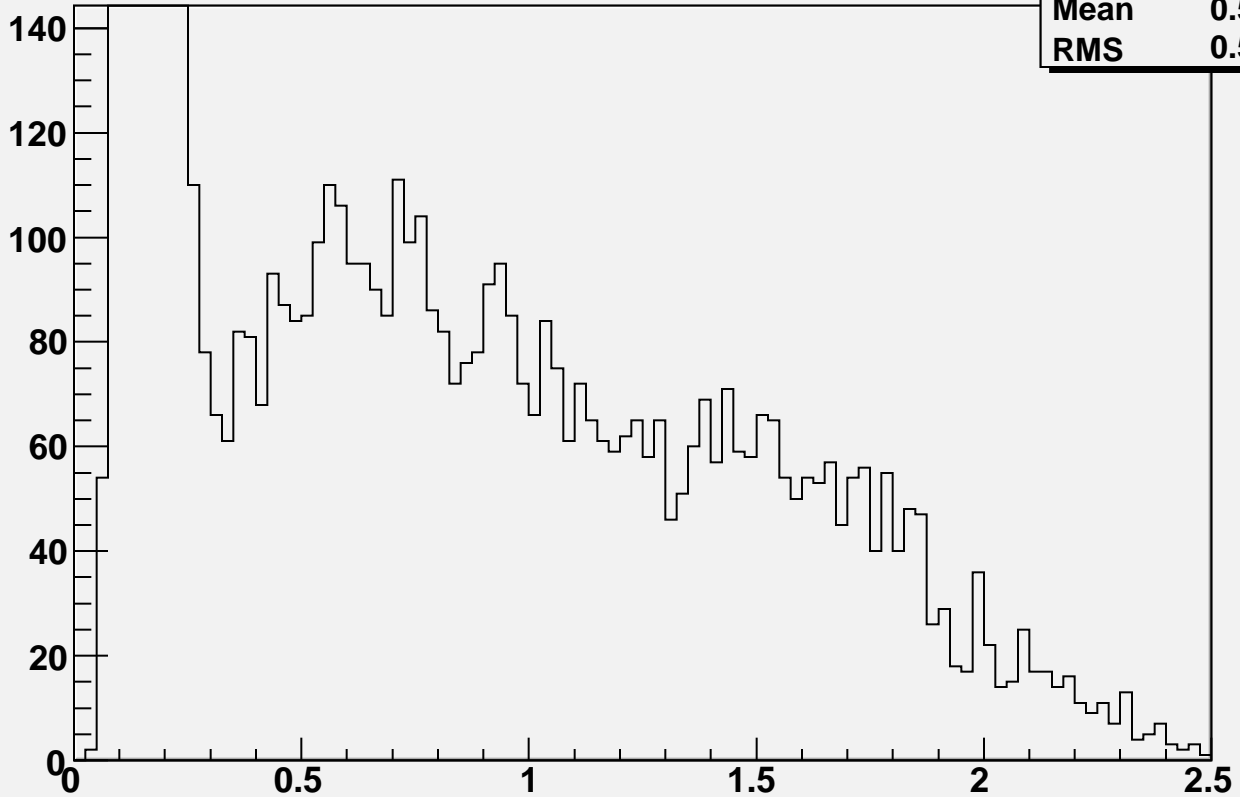
h2	
Entries	17346
Mean	0.6001
RMS	0.5252

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



h1	
Entries	10517
Mean	0.5787
RMS	0.5726

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

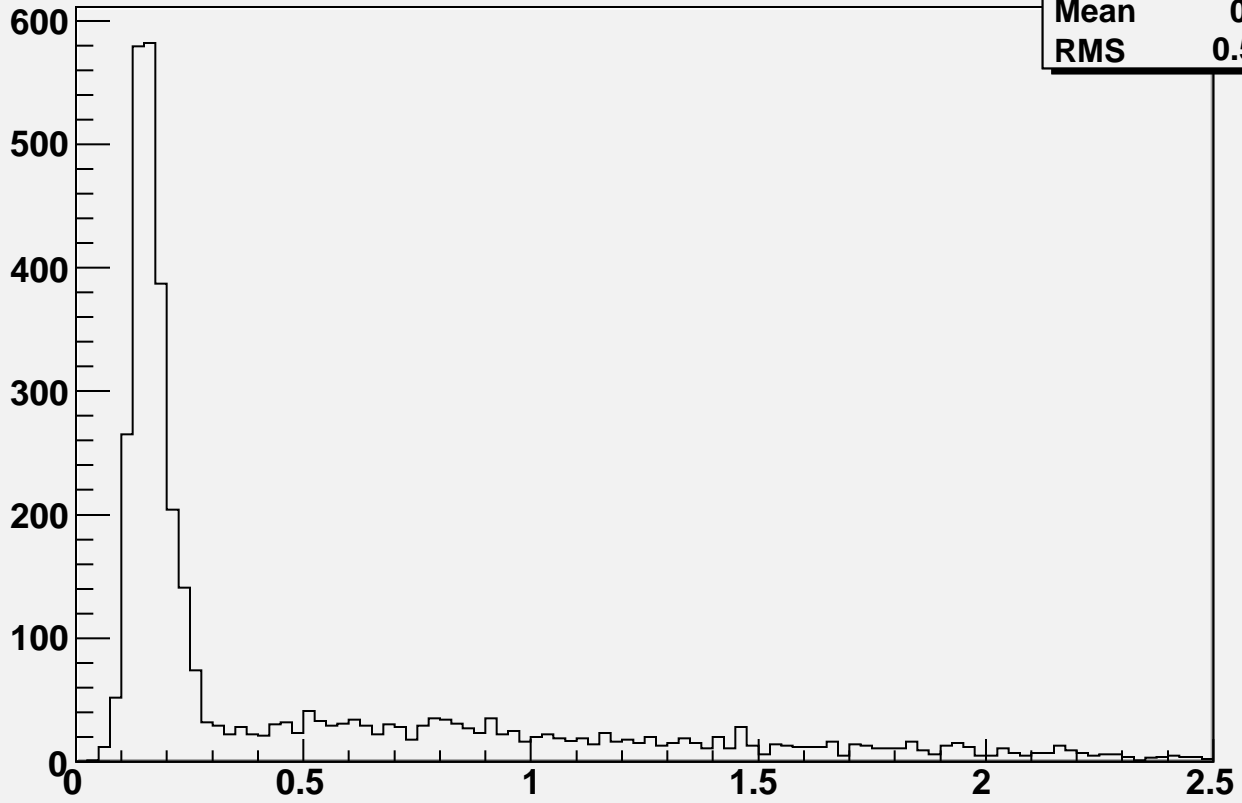


h2	
Entries	10517
Mean	0.5787
RMS	0.5726

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

h1

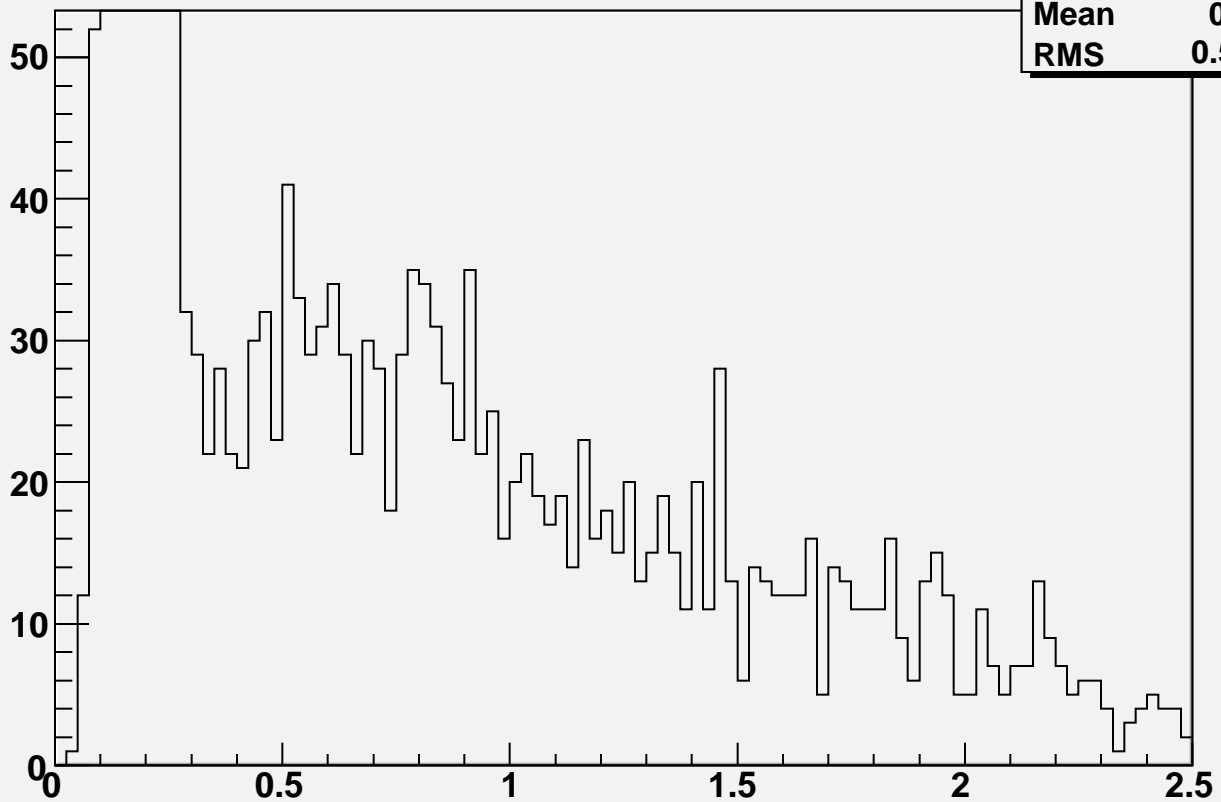
Entries	3822
Mean	0.519
RMS	0.5619



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

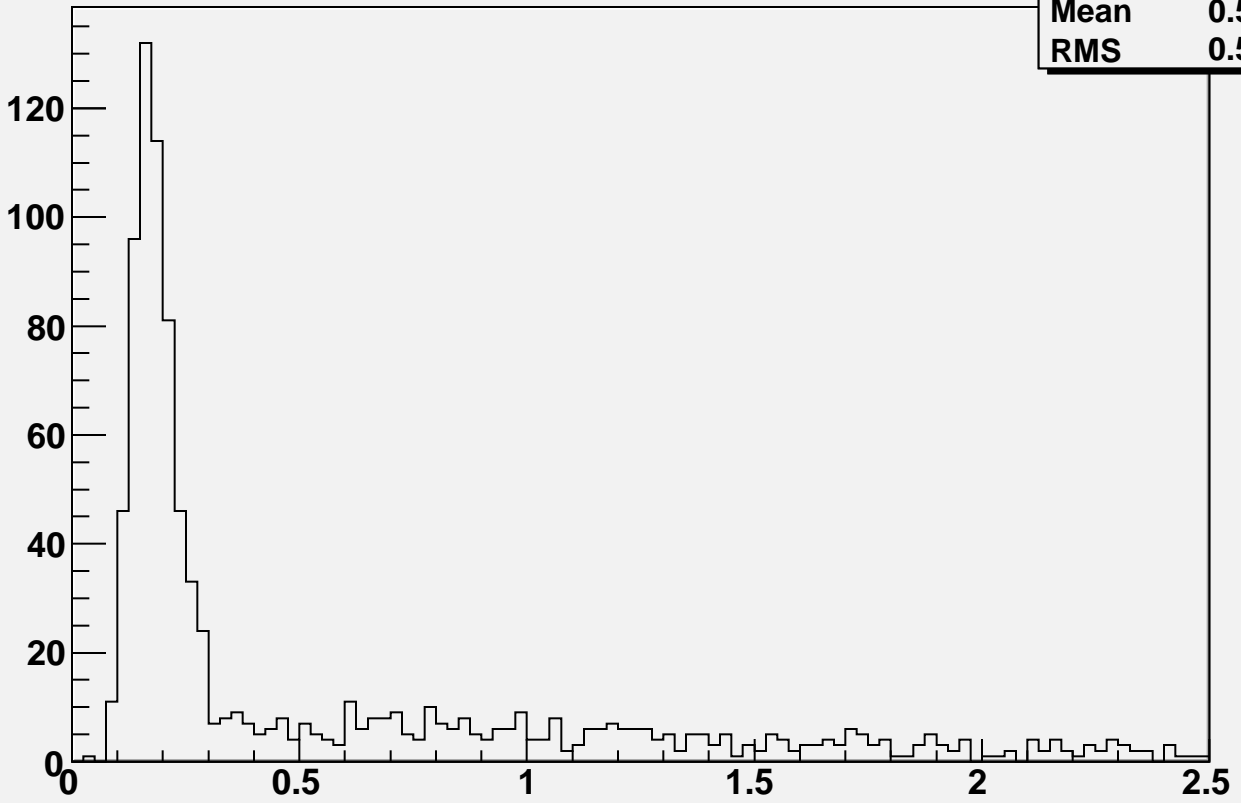
h2

Entries	3822
Mean	0.519
RMS	0.5619



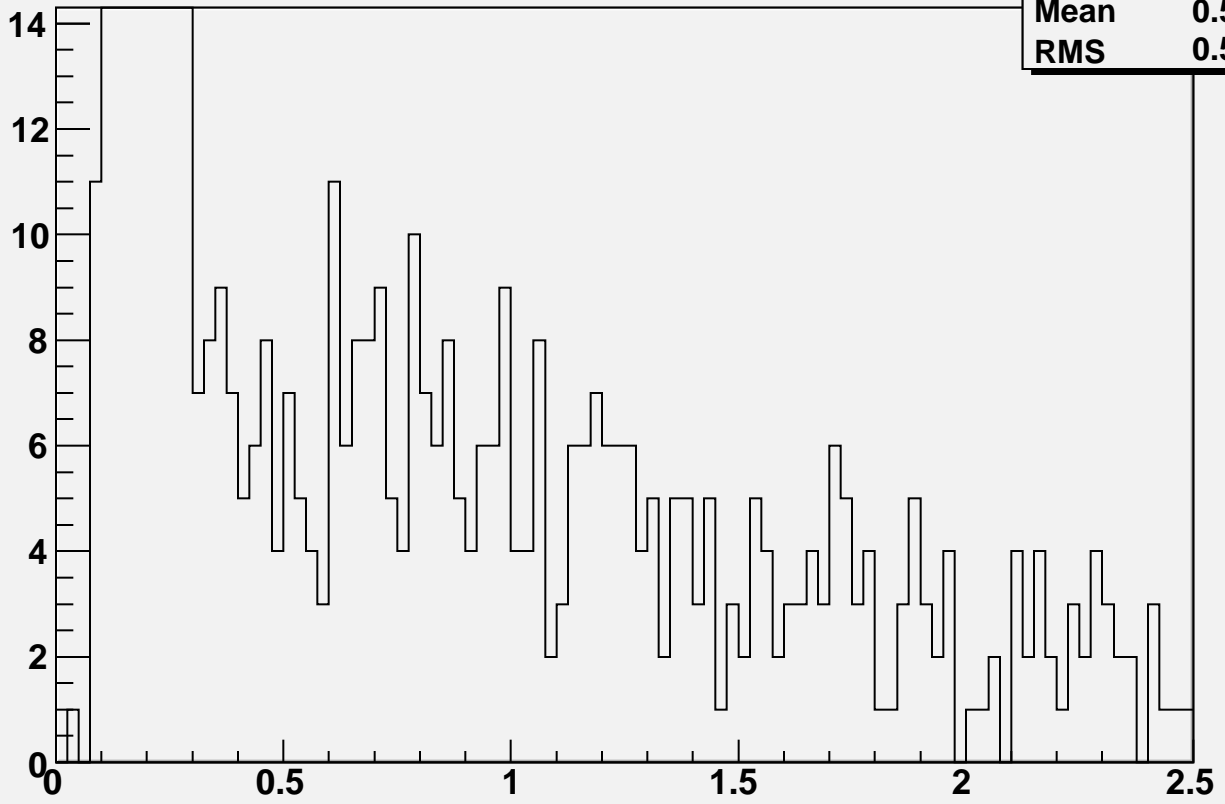
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 70.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.900000) < .05$

h1	
Entries	983
Mean	0.5557
RMS	0.5907



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

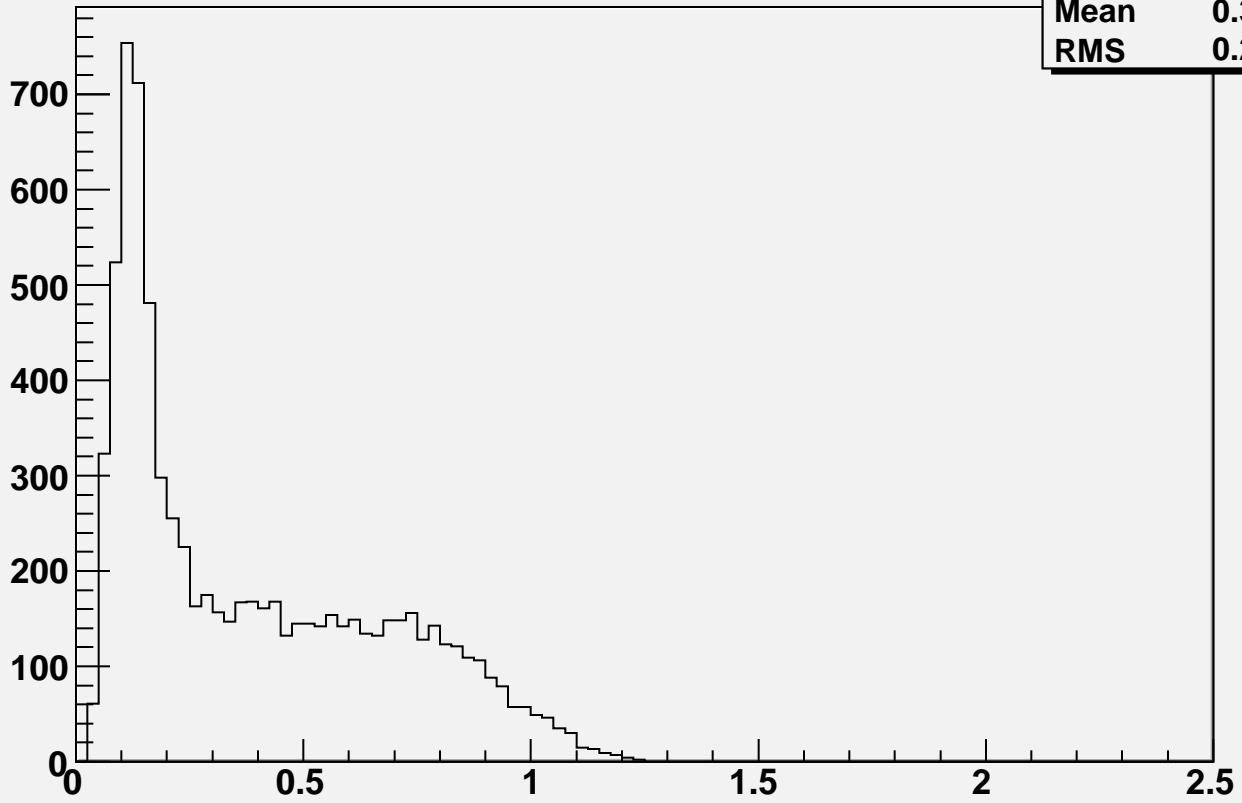
h2	
Entries	983
Mean	0.5557
RMS	0.5907



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

h1

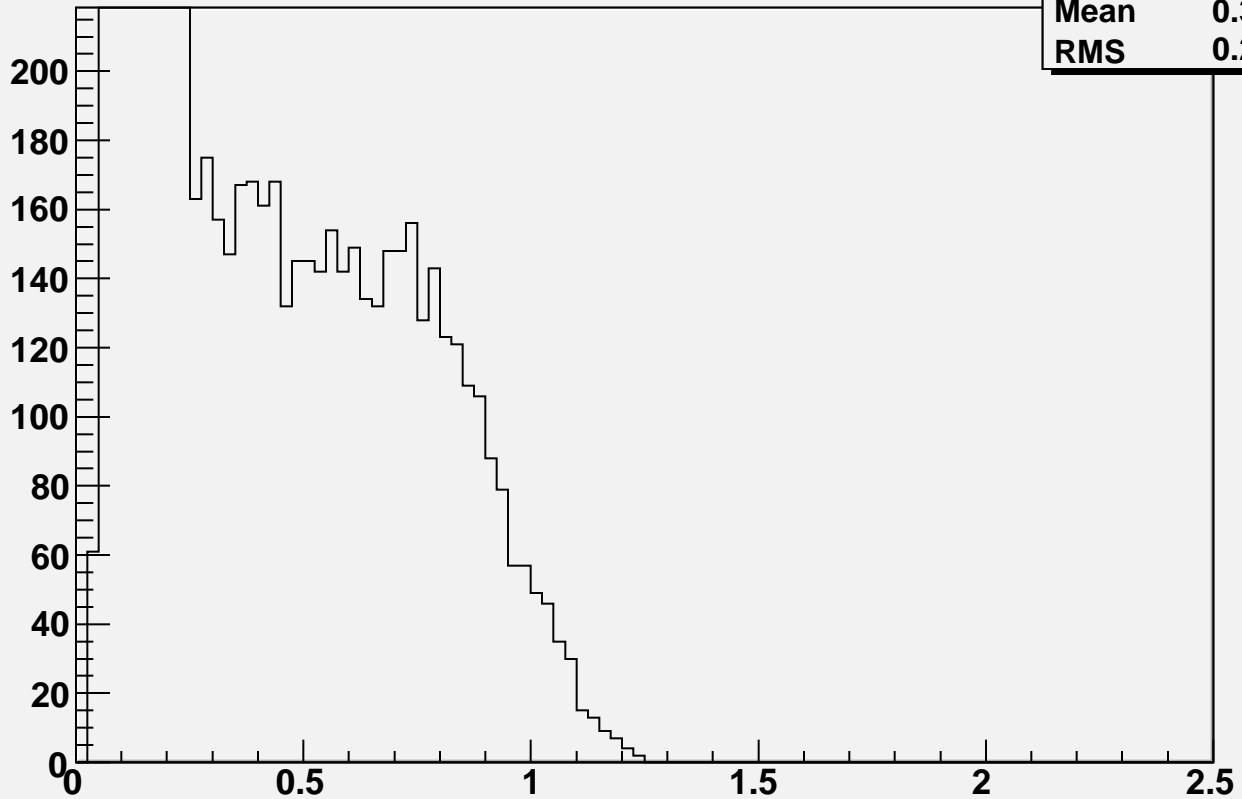
Entries	7887
Mean	0.3904
RMS	0.2897



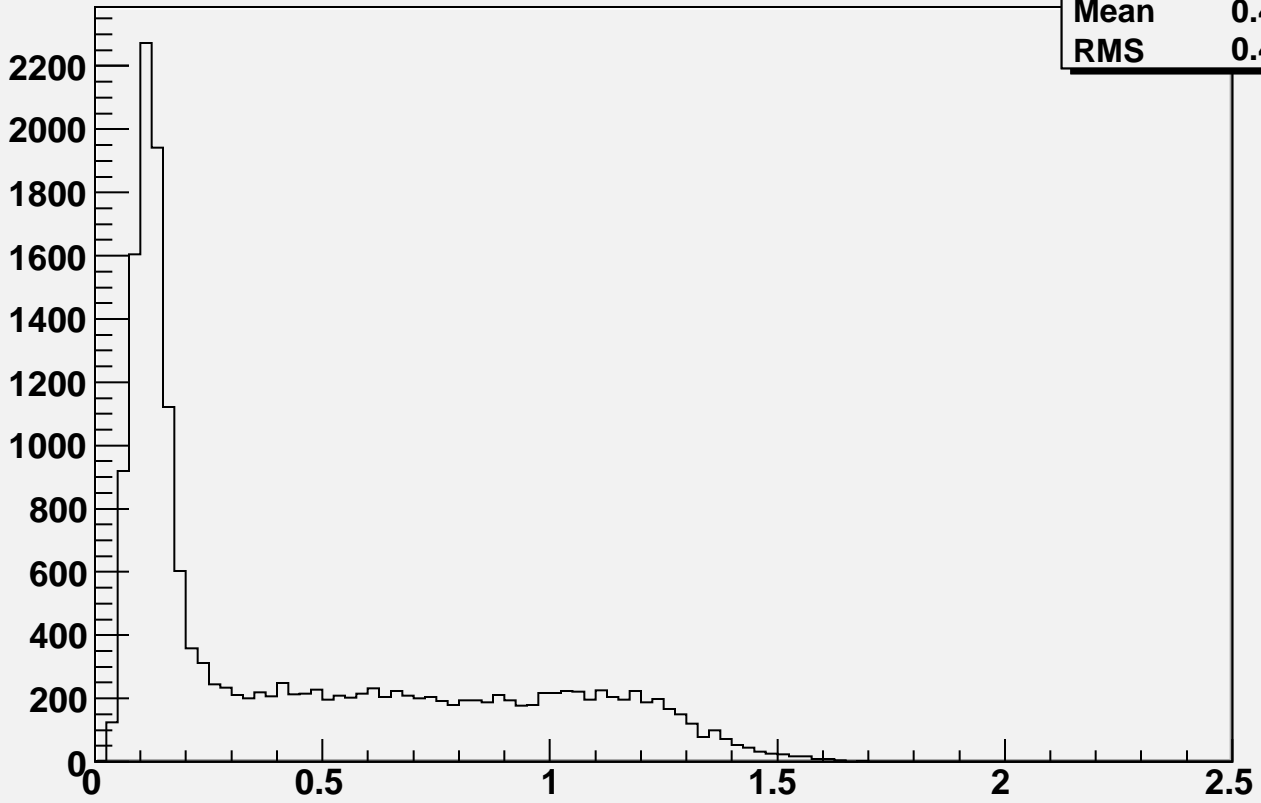
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.800000) < .05$

h2

Entries	7887
Mean	0.3904
RMS	0.2897

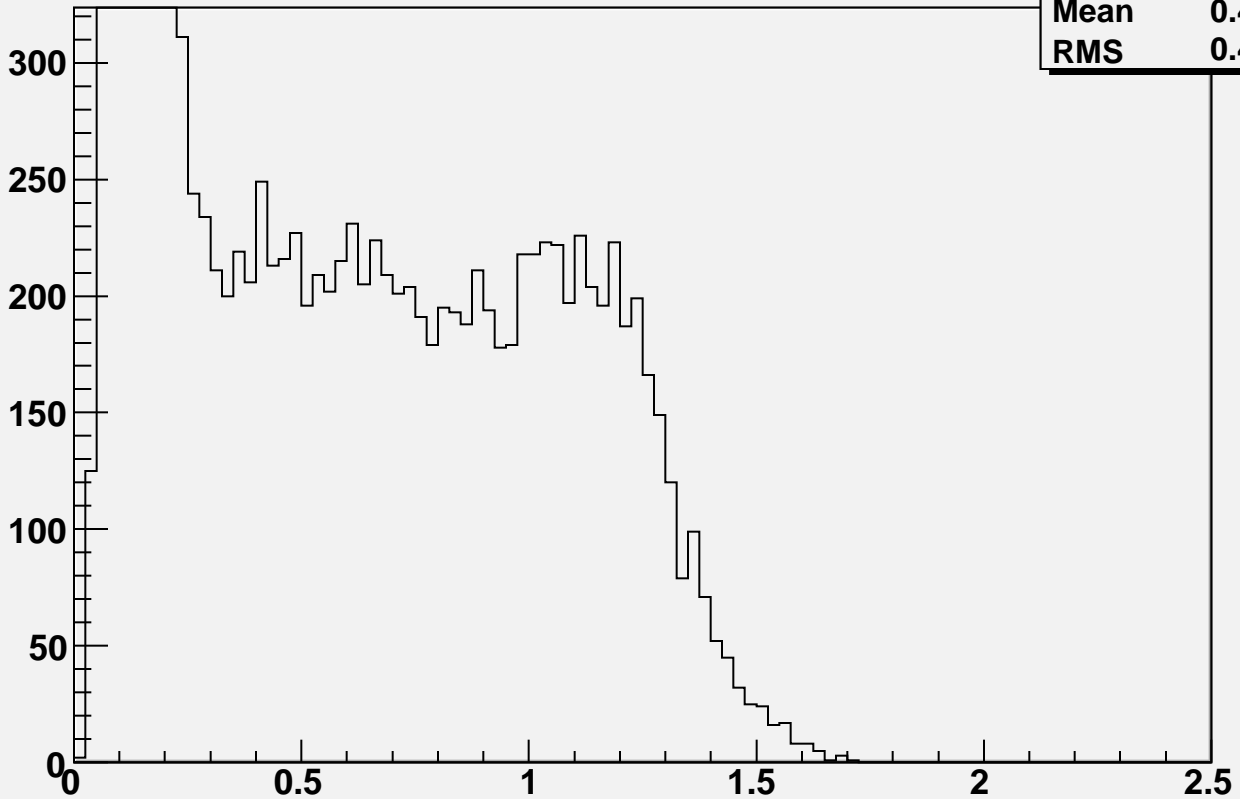


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.800000) < .05$



h1	
Entries	18516
Mean	0.4645
RMS	0.4134

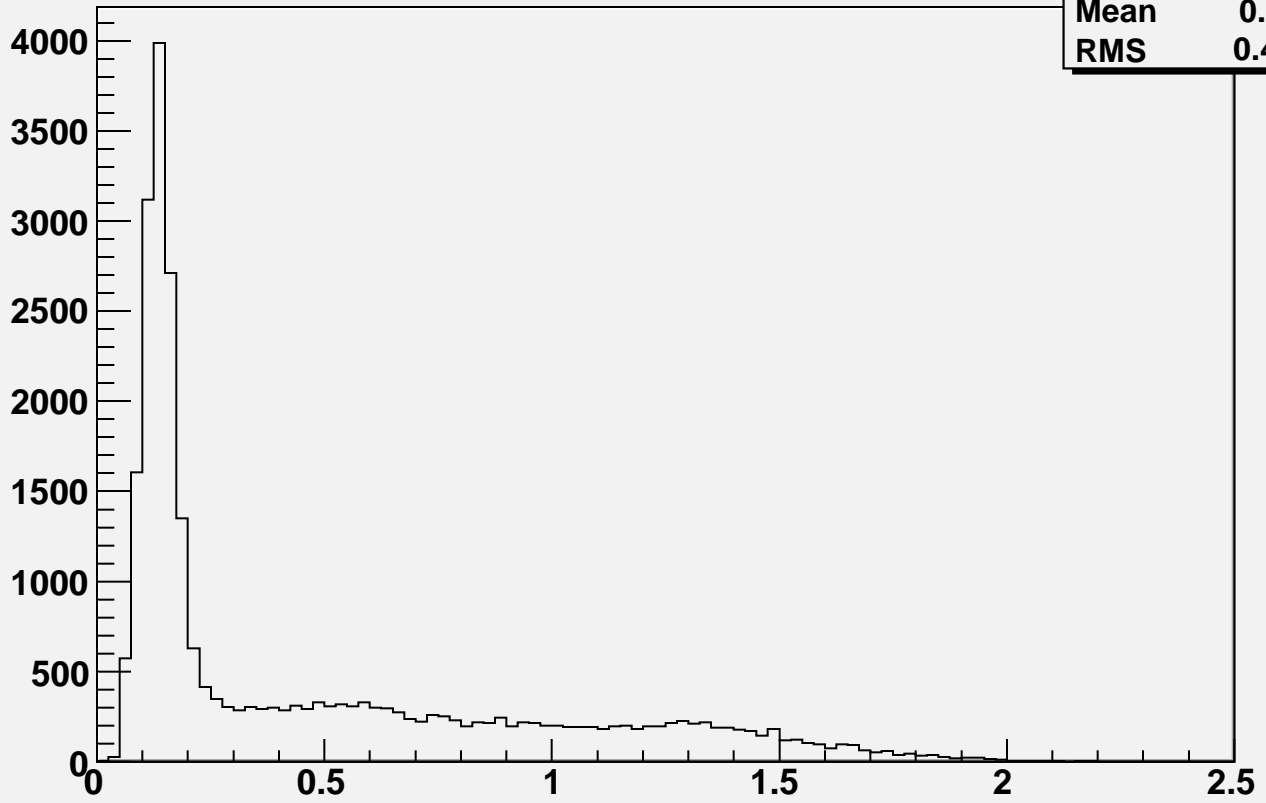
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.800000) < .05$



h2	
Entries	18516
Mean	0.4645
RMS	0.4134

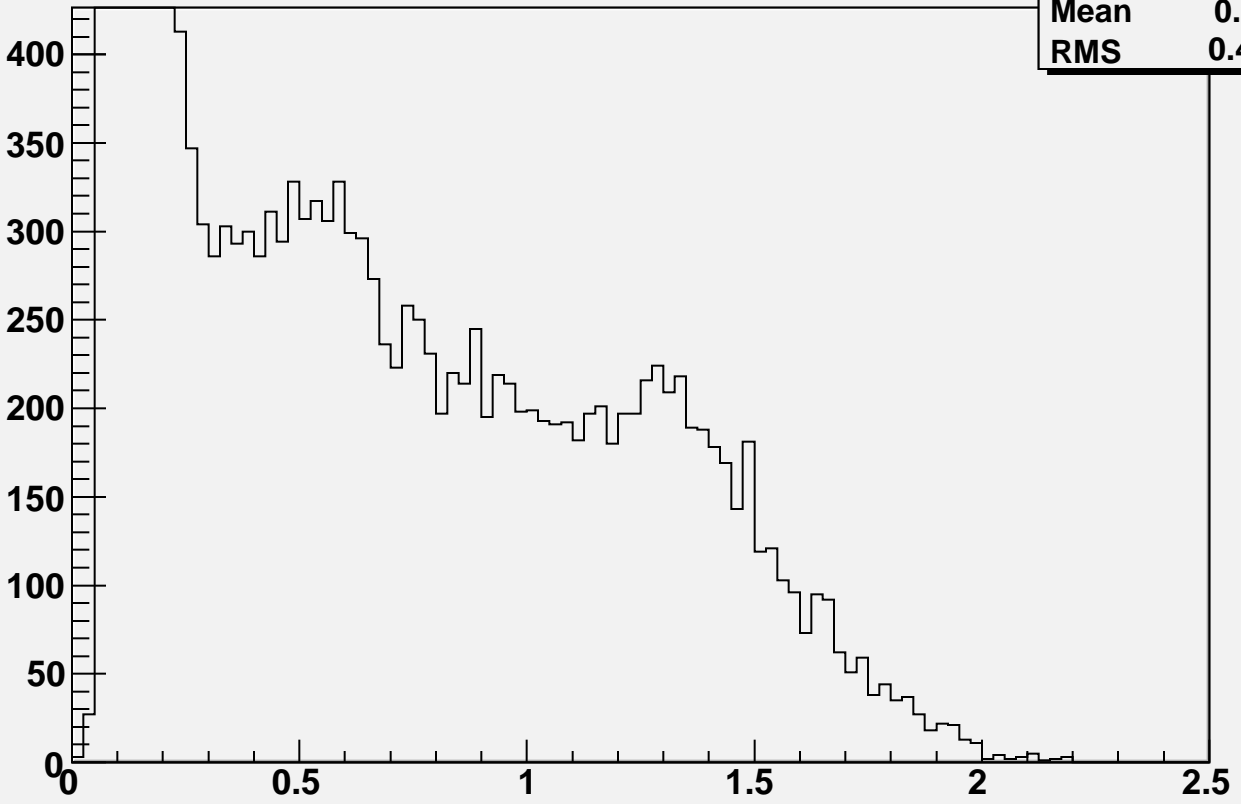
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 40.000000) < 5 \&\& \text{abs}(\text{Eta} - 3.800000) < .05$

h1	
Entries	27497
Mean	0.4921
RMS	0.4732

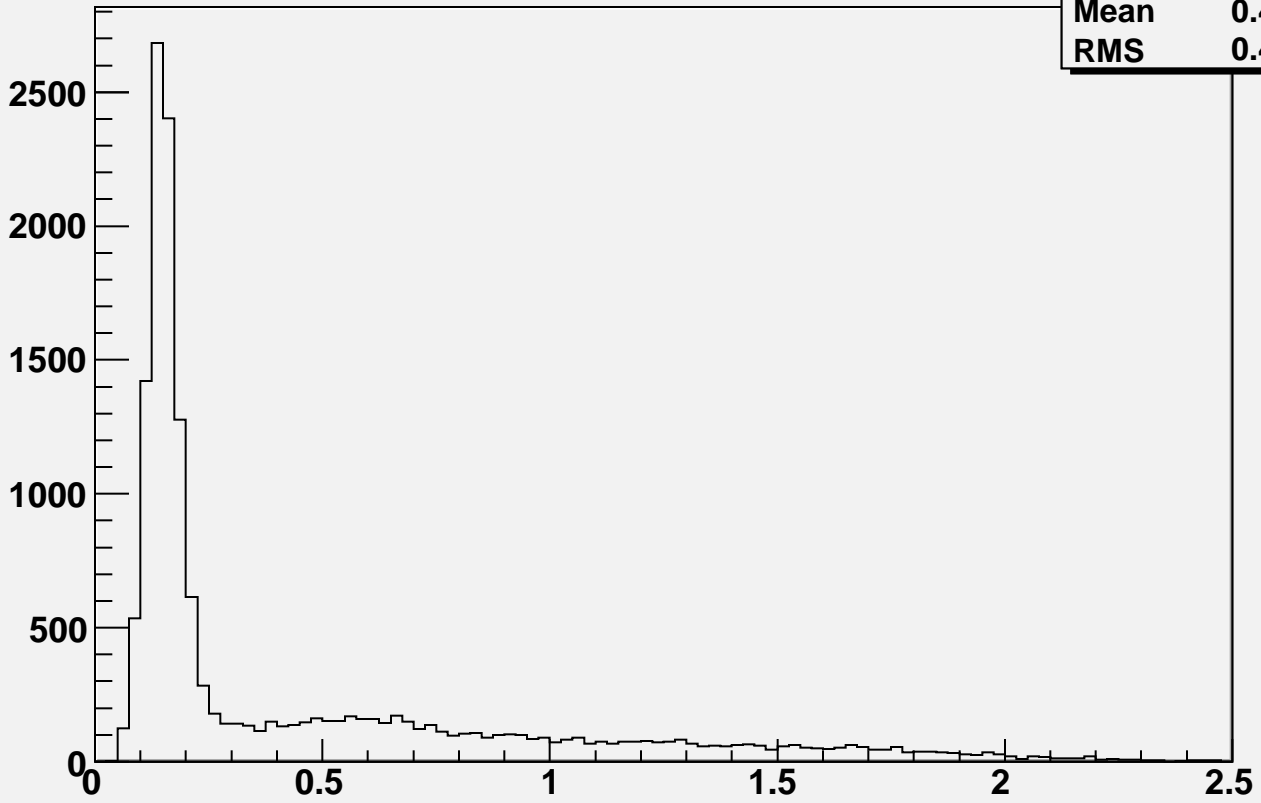


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 40.000000) < 5 \&\& \text{abs}(\text{Eta} - 3.800000) < .05$

h2	
Entries	27497
Mean	0.4921
RMS	0.4732

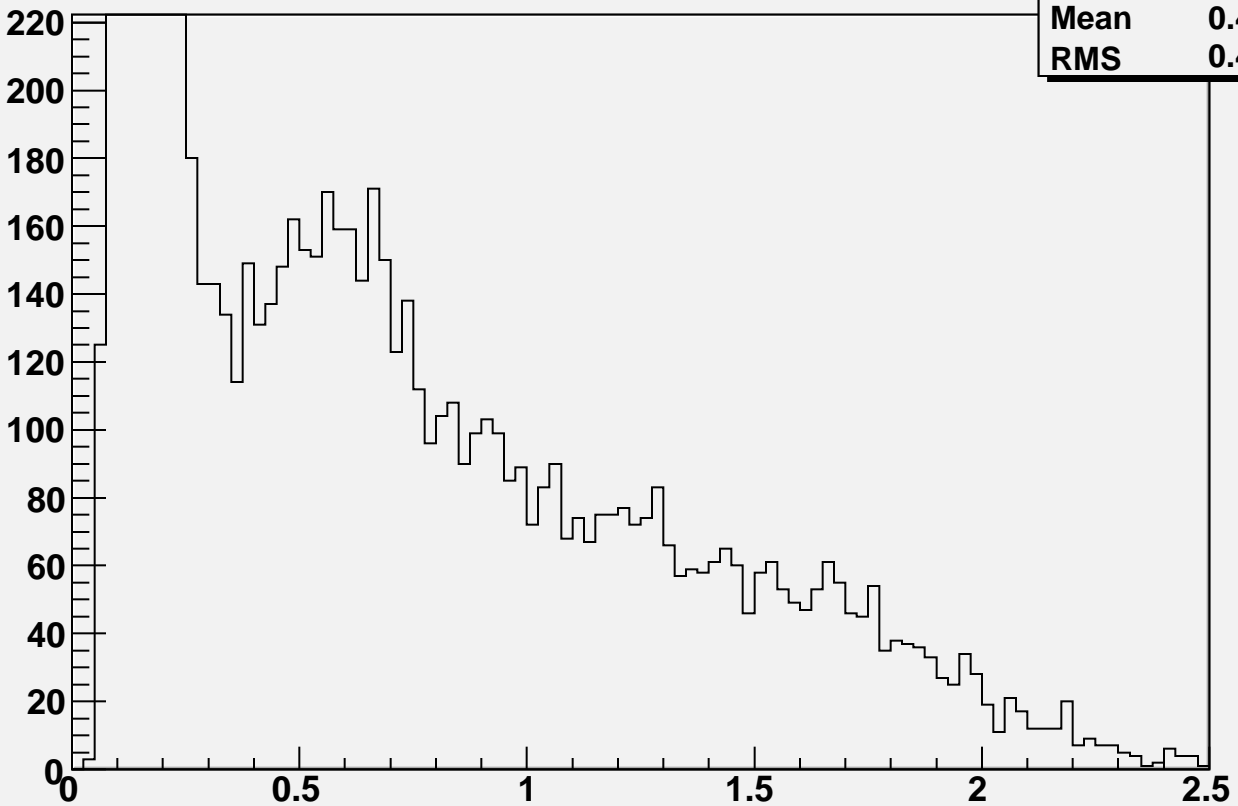


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.800000) < .05$



h1	
Entries	15734
Mean	0.4675
RMS	0.4995

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

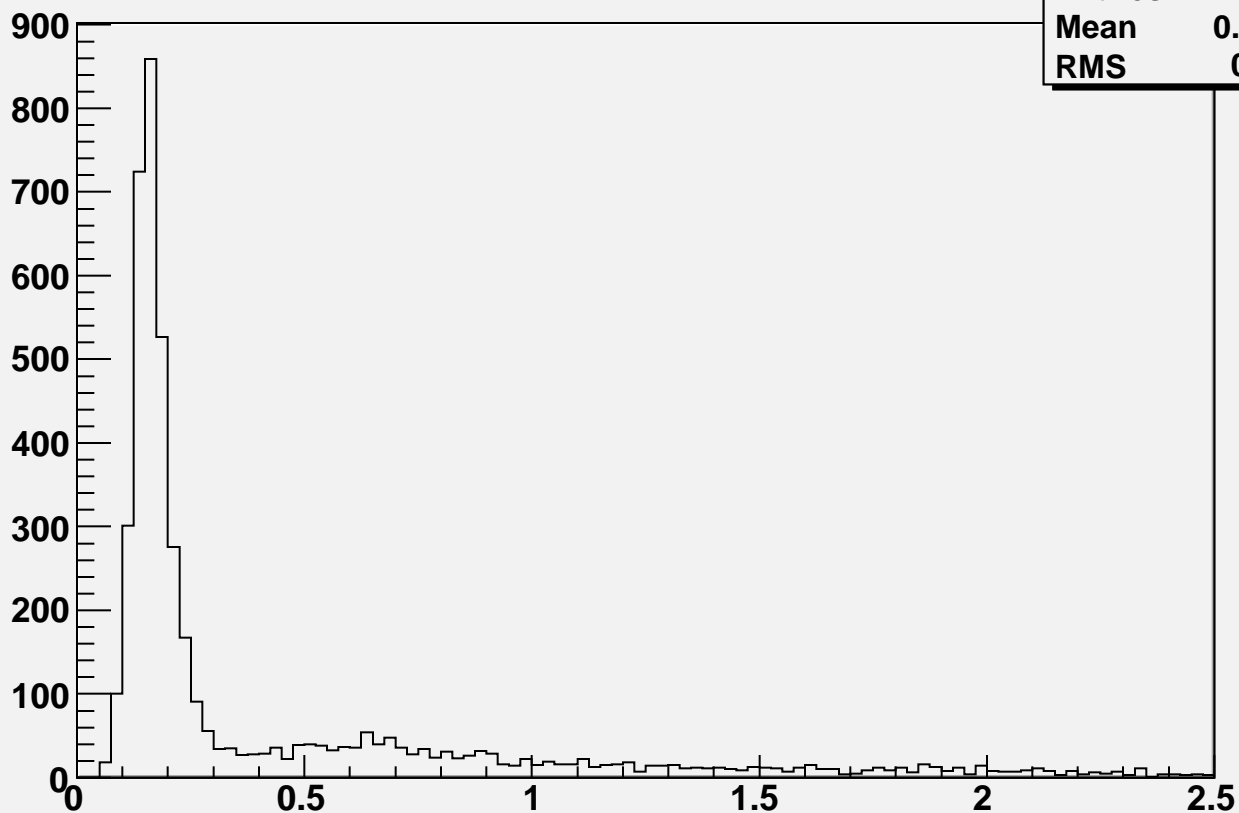


h2	
Entries	15734
Mean	0.4675
RMS	0.4995

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

h1

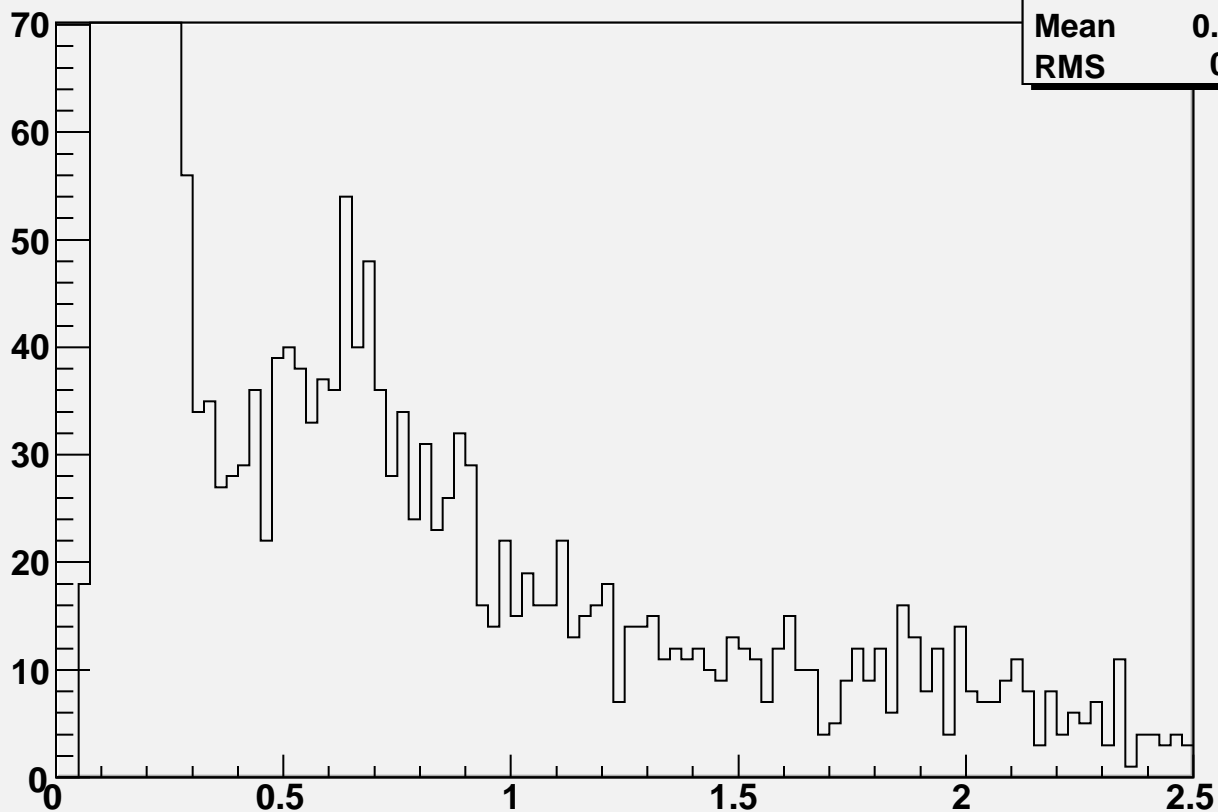
Entries	4642
Mean	0.4405
RMS	0.509



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

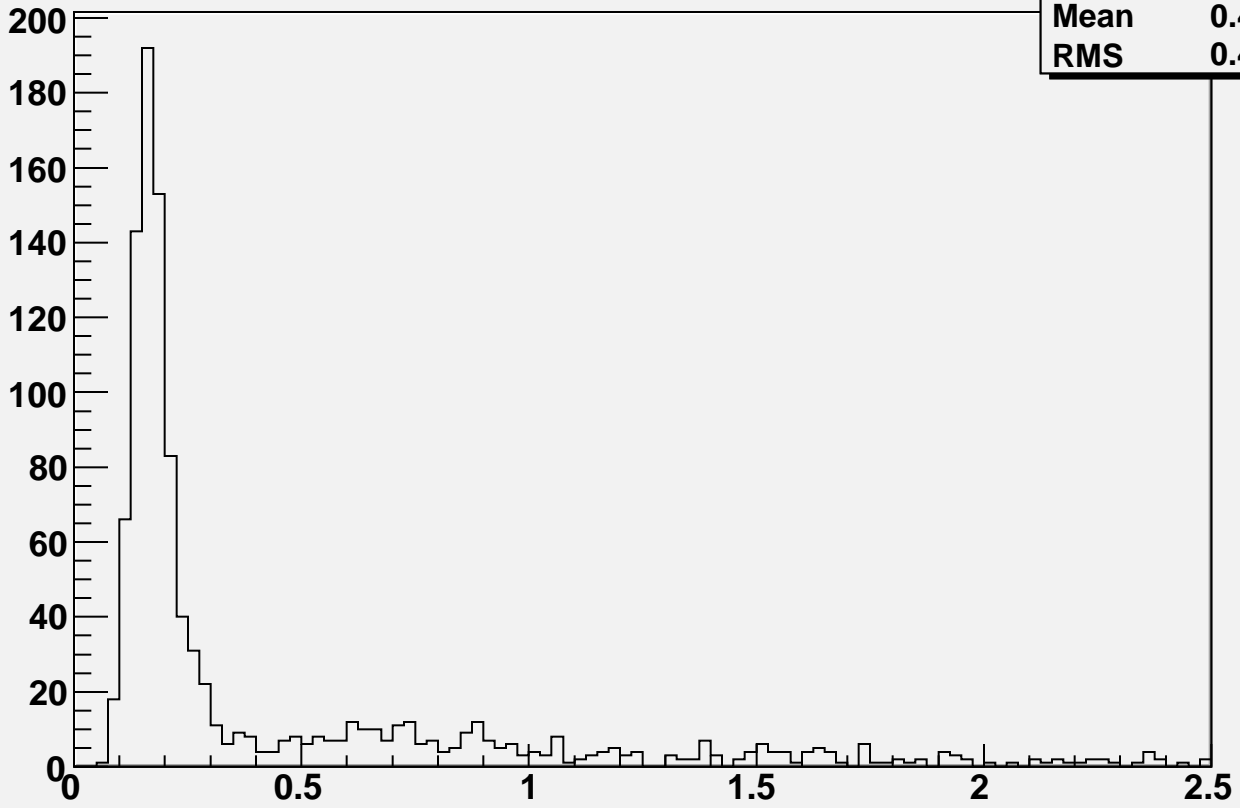
h2

Entries	4642
Mean	0.4405
RMS	0.509



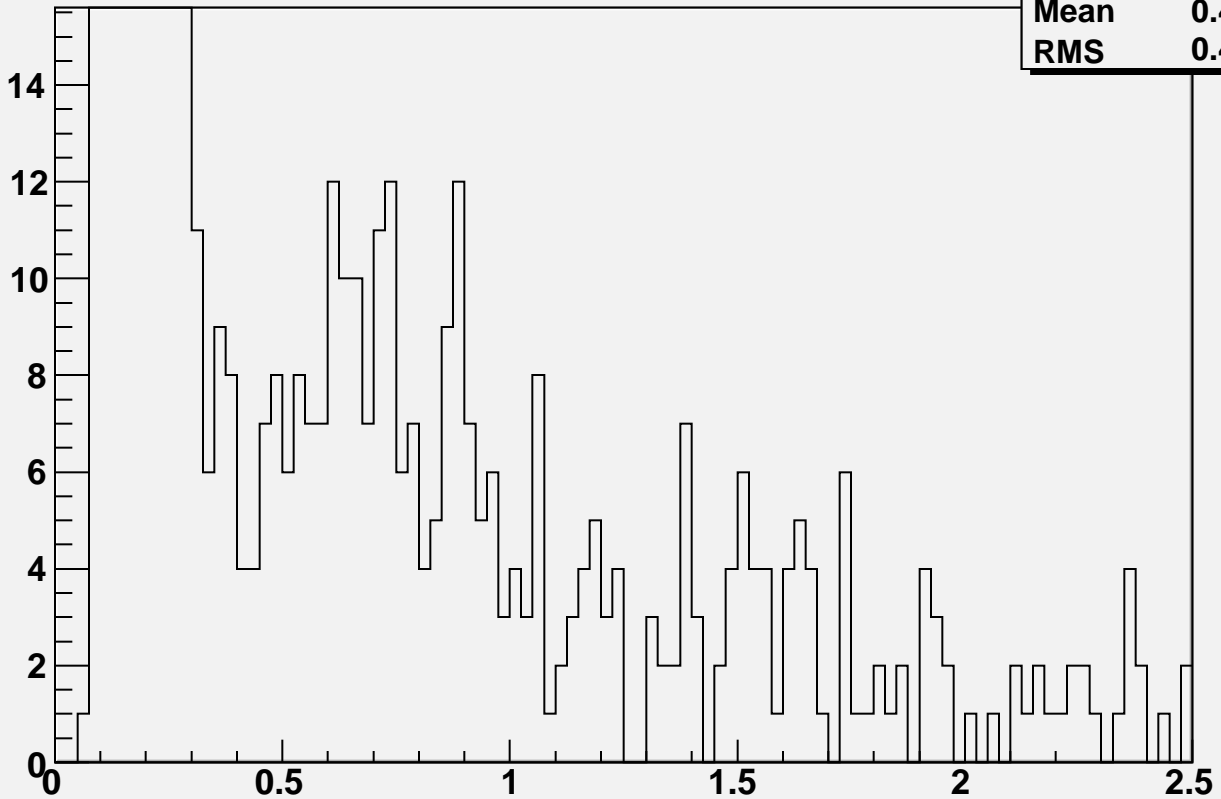
$N_{12} = 2 \times Z < 0.7 \times \text{abs}(E_{12} - 70.000000) < 5 \times \text{abs}(\text{Eta} - 3.800000) < 0.05$

h1	
Entries	1118
Mean	0.4389
RMS	0.4983



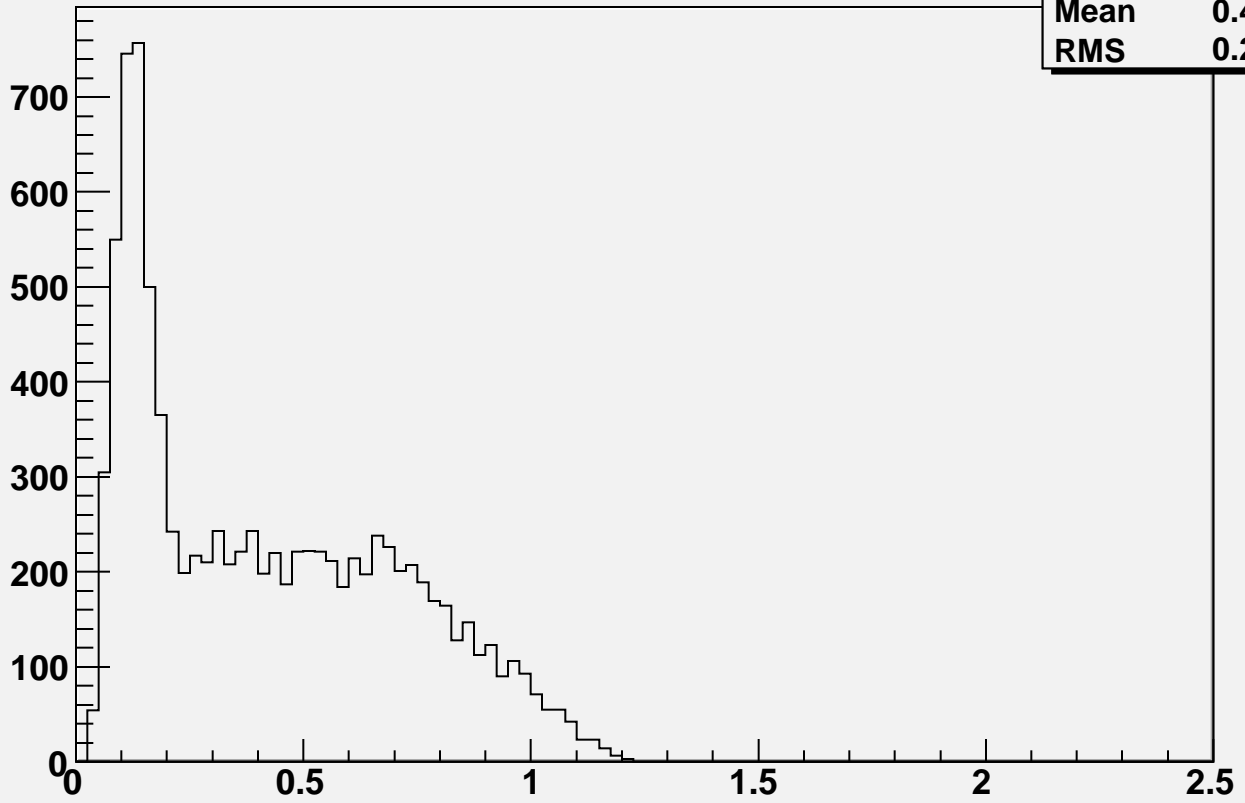
$N_{12} = 2 \times Z < 0.7 \times \text{abs}(E_{12} - 70.000000) < 5 \times \text{abs}(\text{Eta} - 3.800000) < 0.05$

h2	
Entries	1118
Mean	0.4389
RMS	0.4983



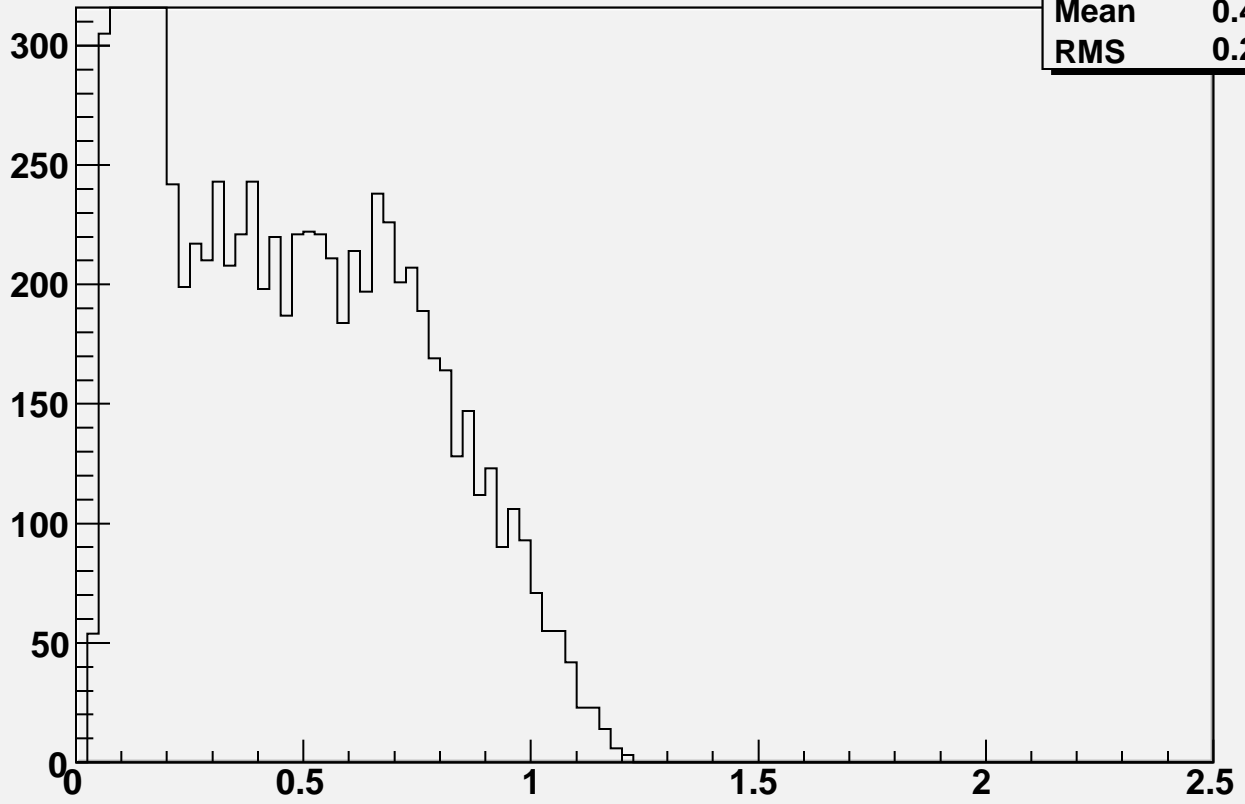
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.700000) < .05$

h1	
Entries	9620
Mean	0.4249
RMS	0.2897

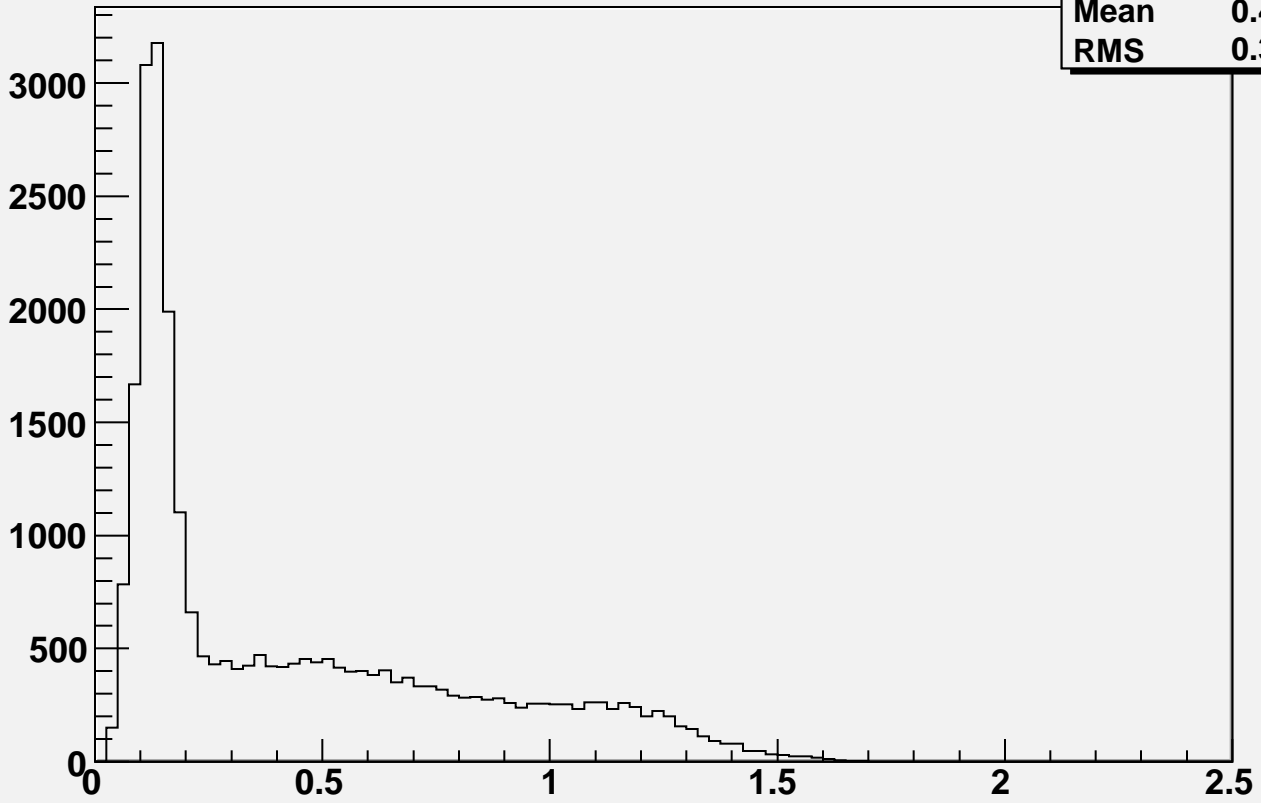


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.700000) < .05$

h2	
Entries	9620
Mean	0.4249
RMS	0.2897

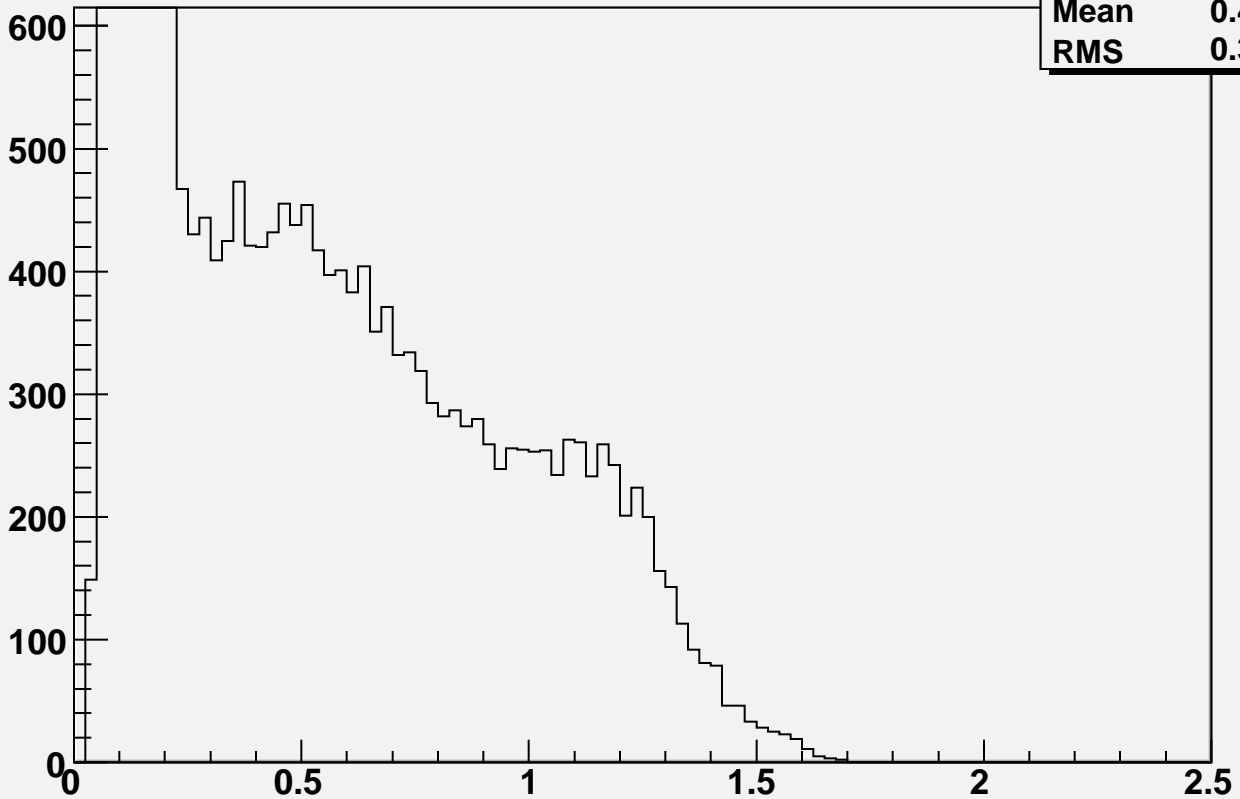


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.700000) < .05$



h1	
Entries	27542
Mean	0.4497
RMS	0.3825

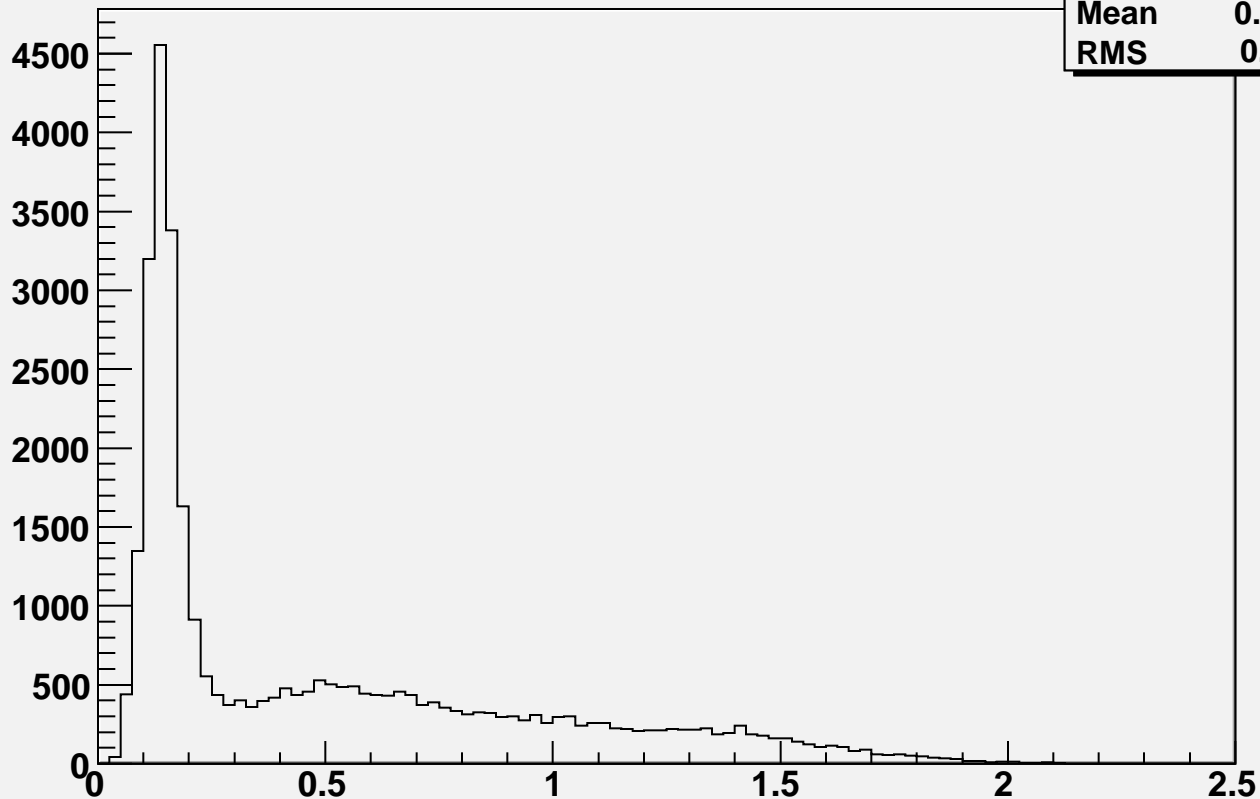
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.700000) < .05$



h2	
Entries	27542
Mean	0.4497
RMS	0.3825

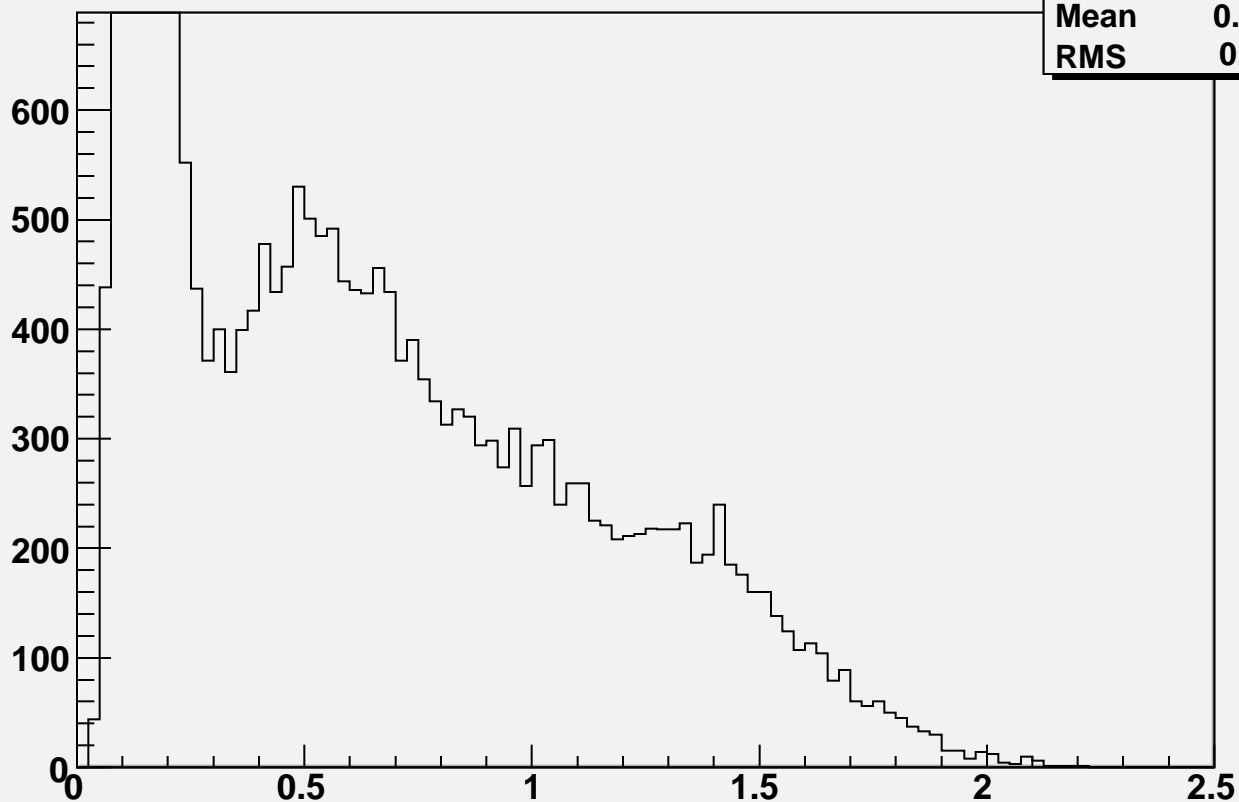
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 40.000000) < 5 \&\& \text{abs}(\text{Eta} - 3.700000) < .05$

h1	
Entries	33692
Mean	0.5088
RMS	0.4571

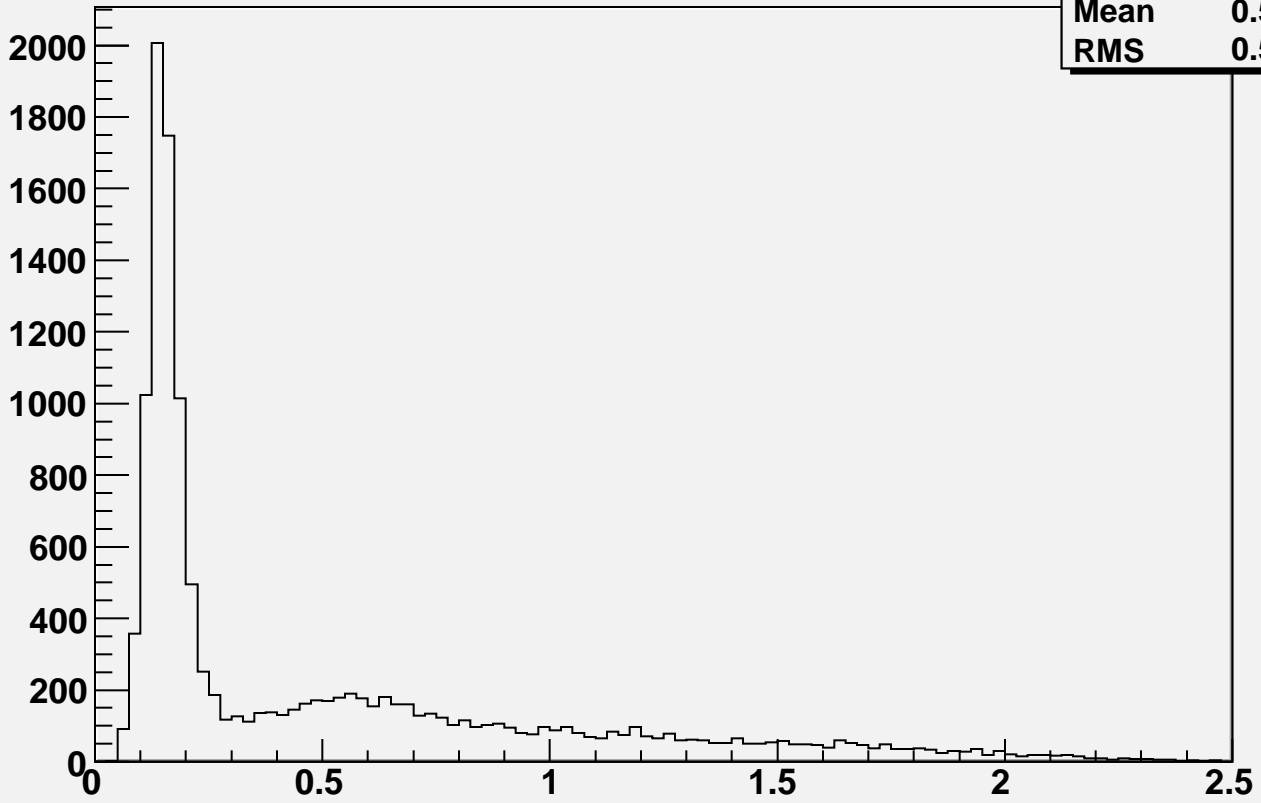


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 40.000000) < 5 \&\& \text{abs}(\text{Eta} - 3.700000) < .05$

h2	
Entries	33692
Mean	0.5088
RMS	0.4571

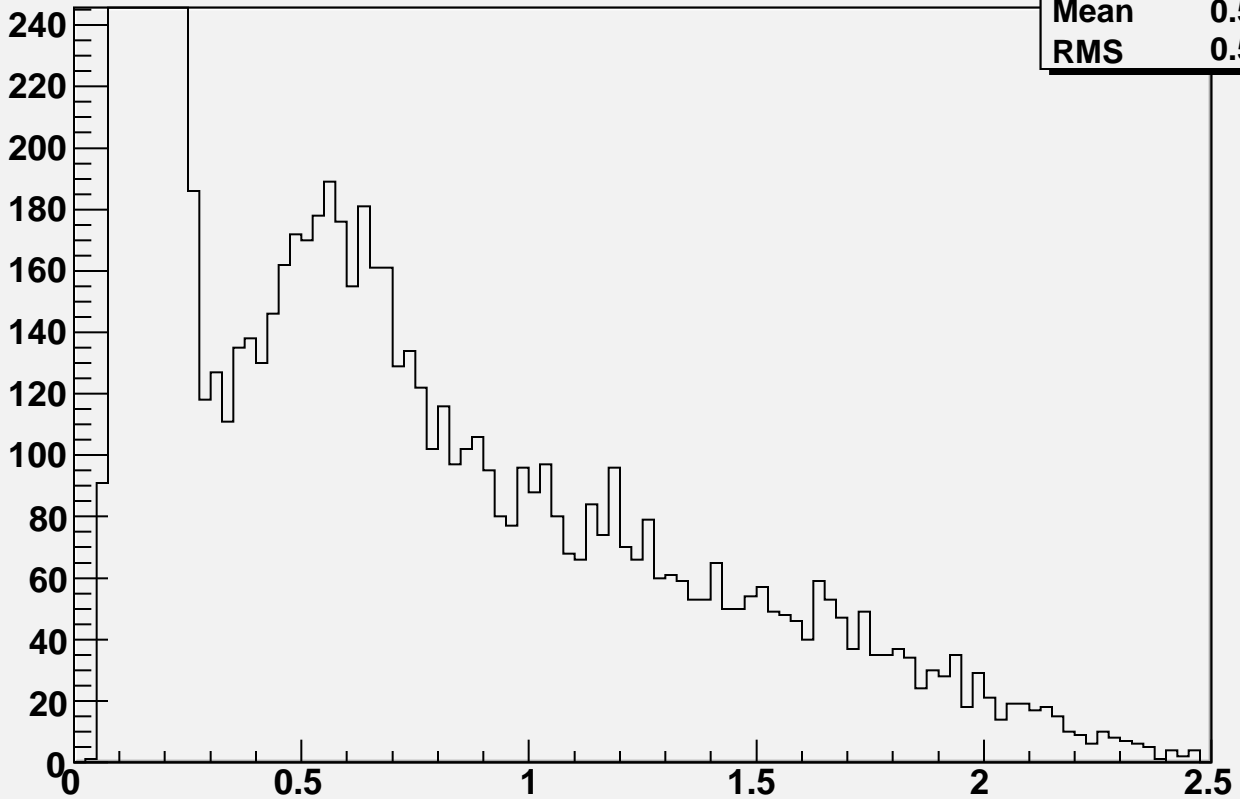


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.700000) < .05$



h1	
Entries	13413
Mean	0.5178
RMS	0.5127

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

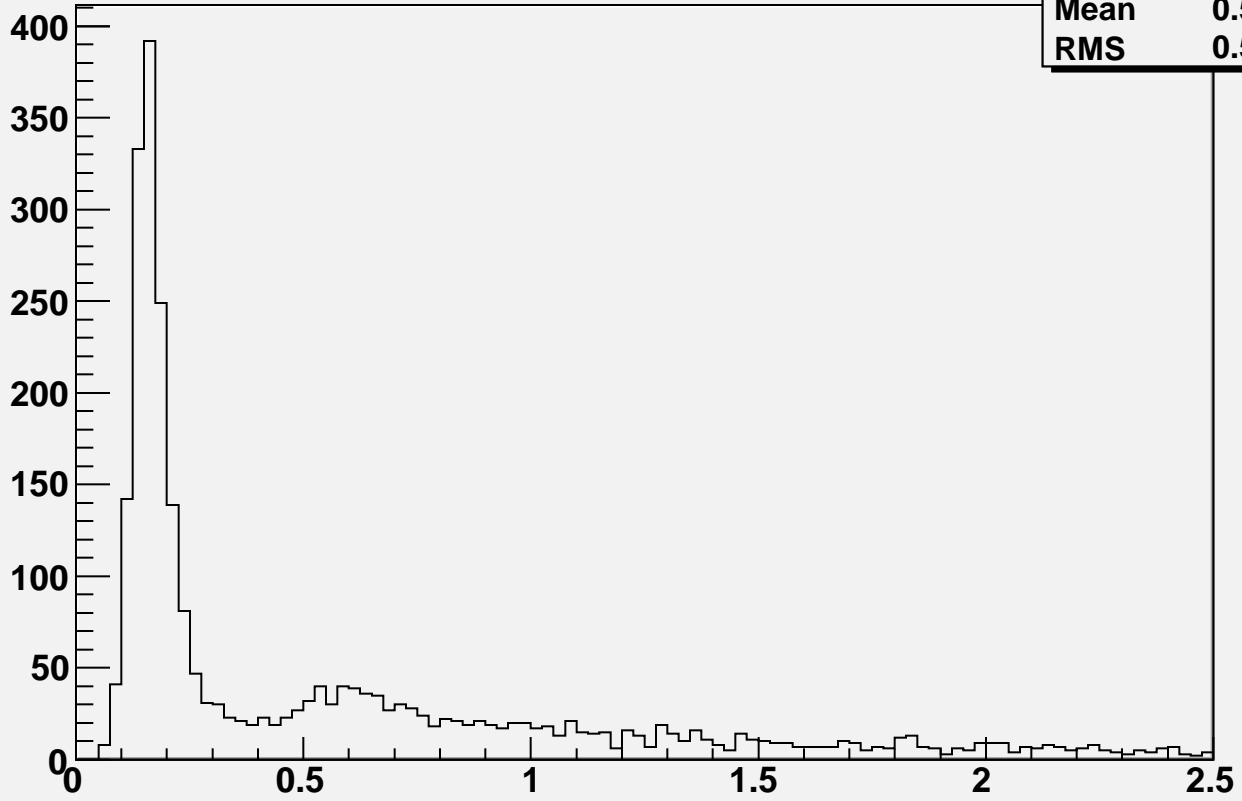


h2	
Entries	13413
Mean	0.5178
RMS	0.5127

$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 60.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.700000) < .05$

h1

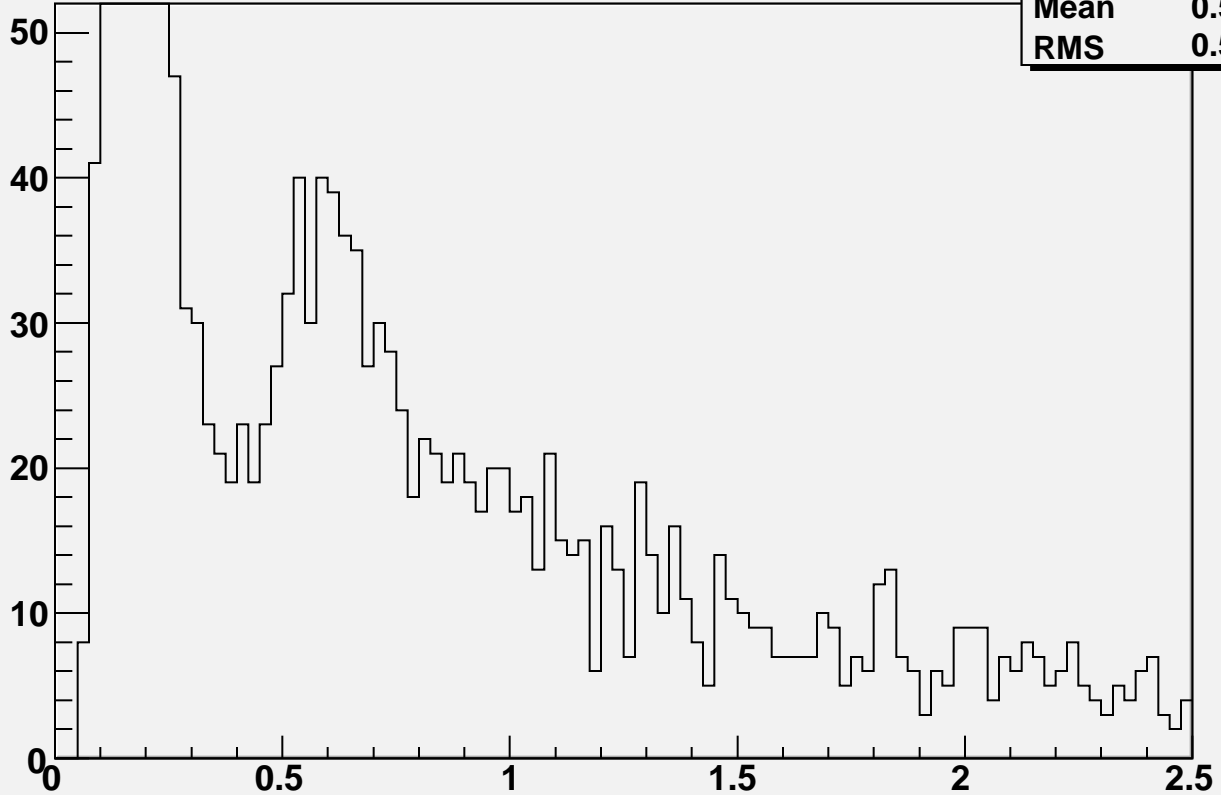
Entries	2751
Mean	0.5682
RMS	0.5772



$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 60.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.700000) < .05$

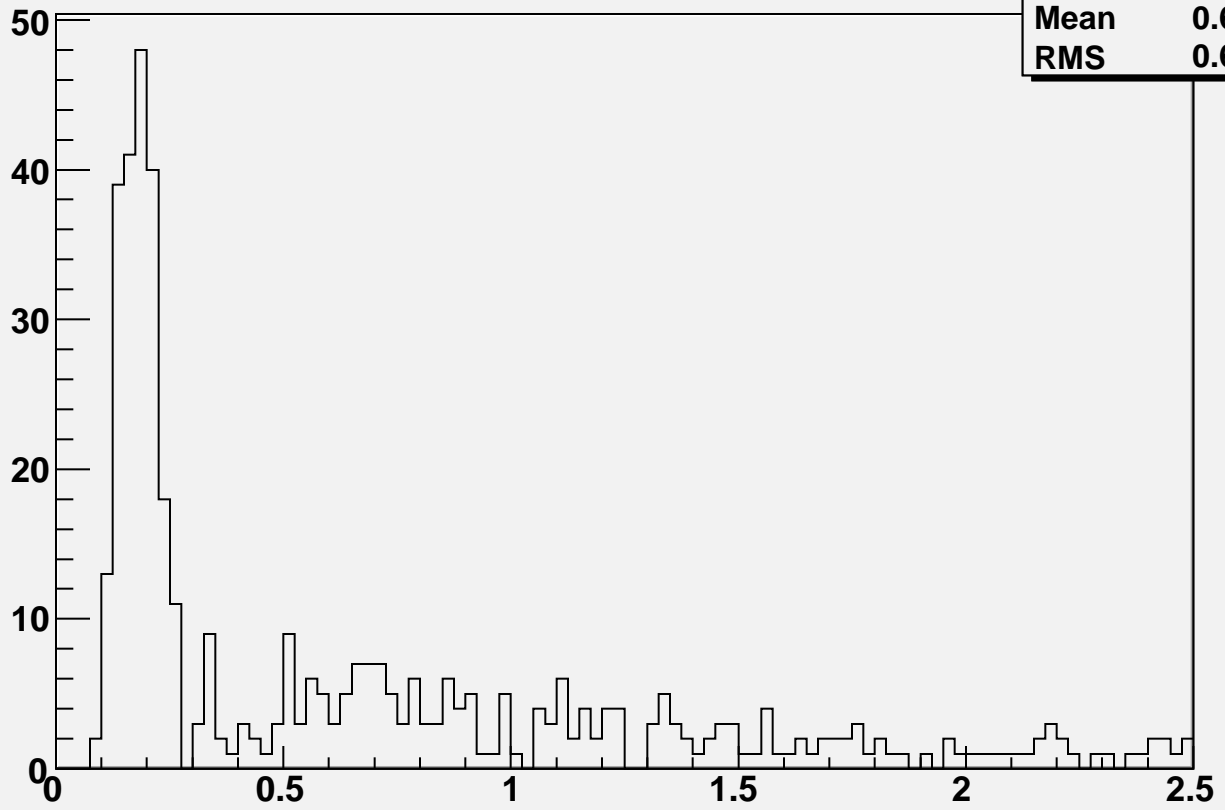
h2

Entries	2751
Mean	0.5682
RMS	0.5772



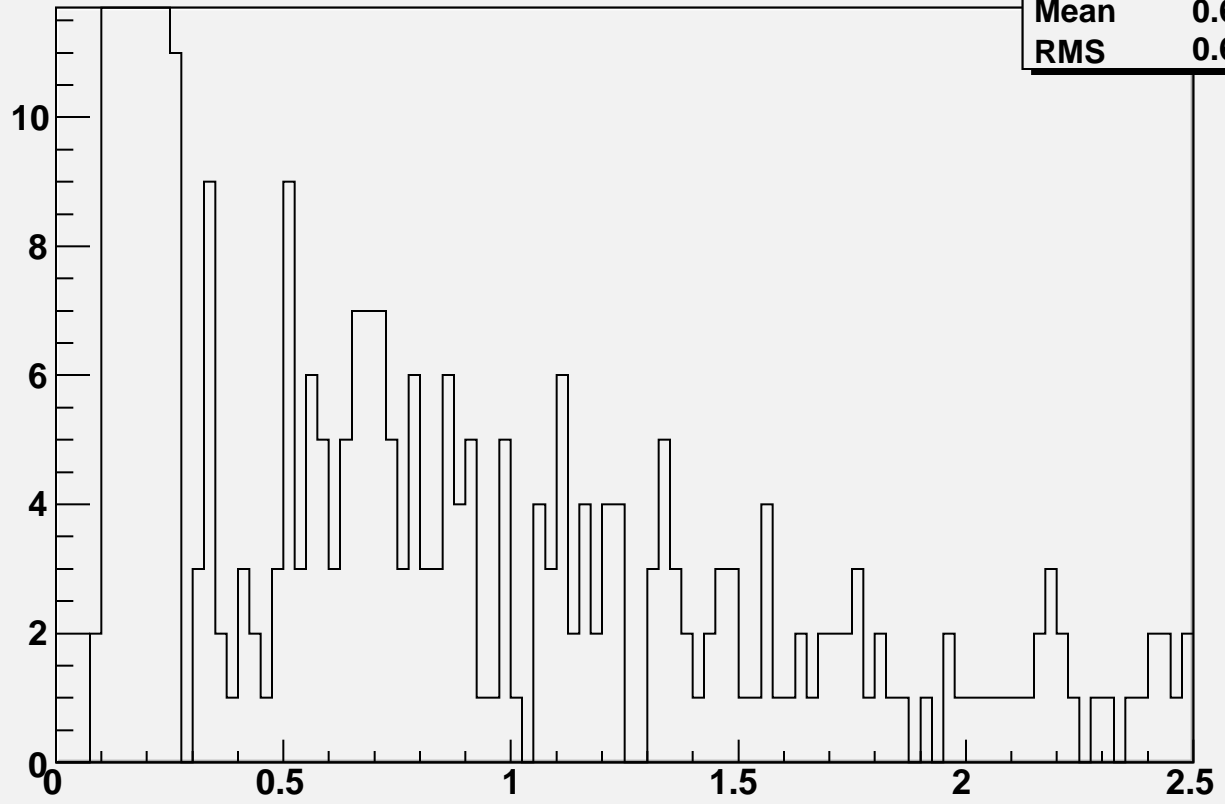
$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 70.000000) < 5. \text{ \& \&abs}(\text{Eta} - 3.700000) < .05$

h1	
Entries	464
Mean	0.6572
RMS	0.6246

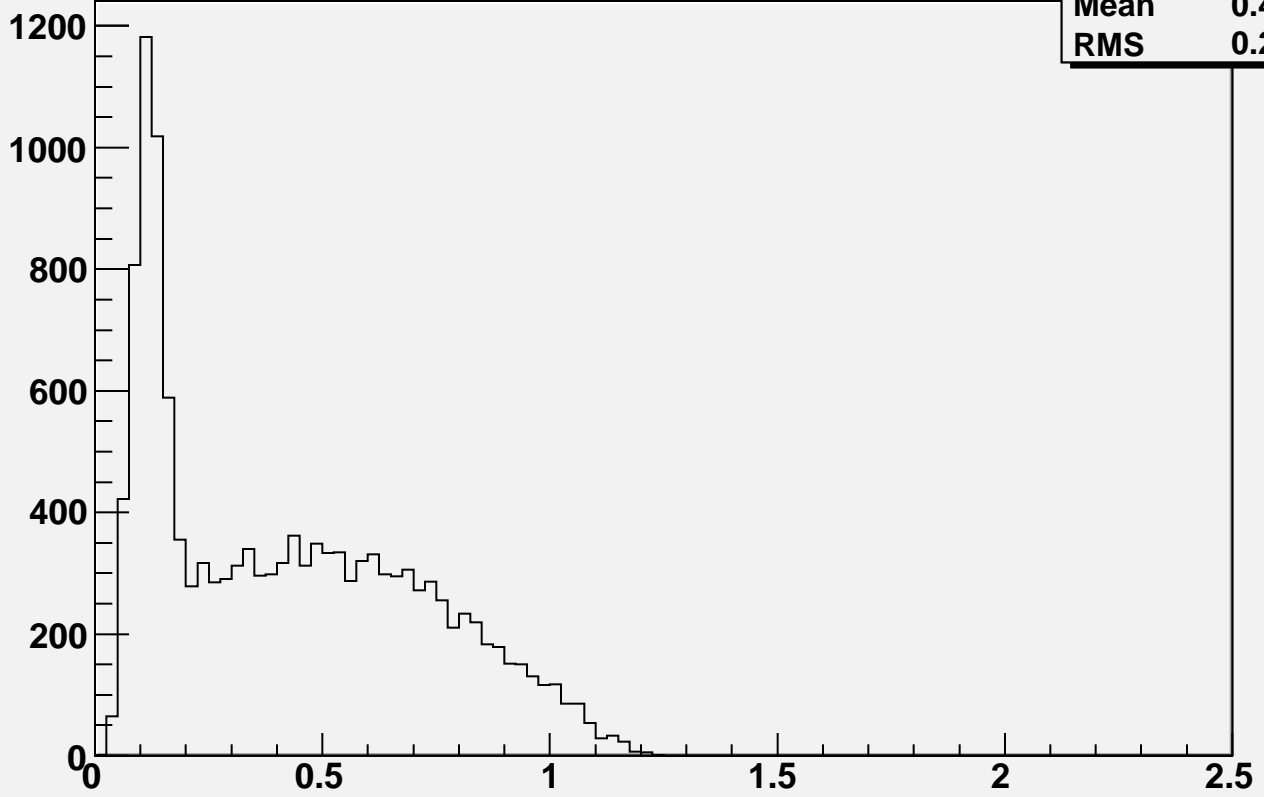


$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 70.000000) < 5. \text{ \& \&abs}(\text{Eta} - 3.700000) < .05$

h2	
Entries	464
Mean	0.6572
RMS	0.6246

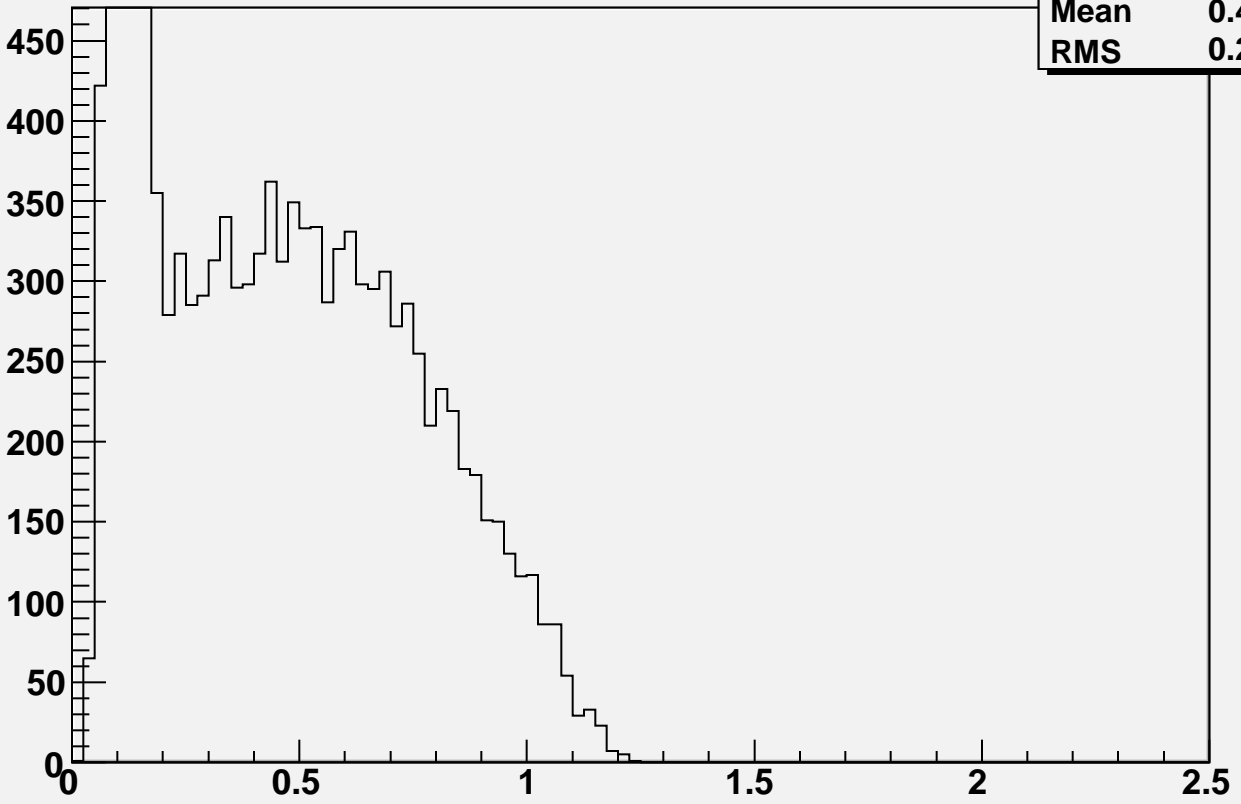


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.600000) < .05$



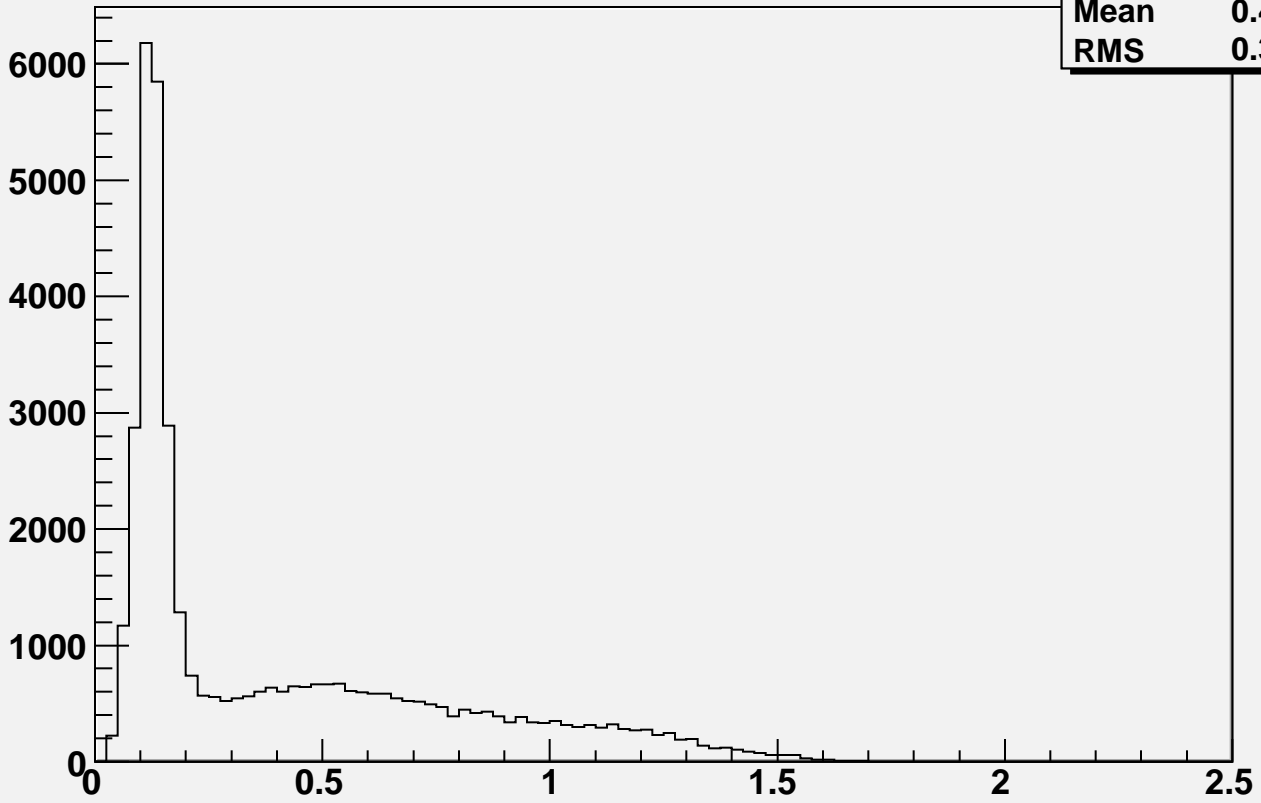
h1	
Entries	13527
Mean	0.4292
RMS	0.2892

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



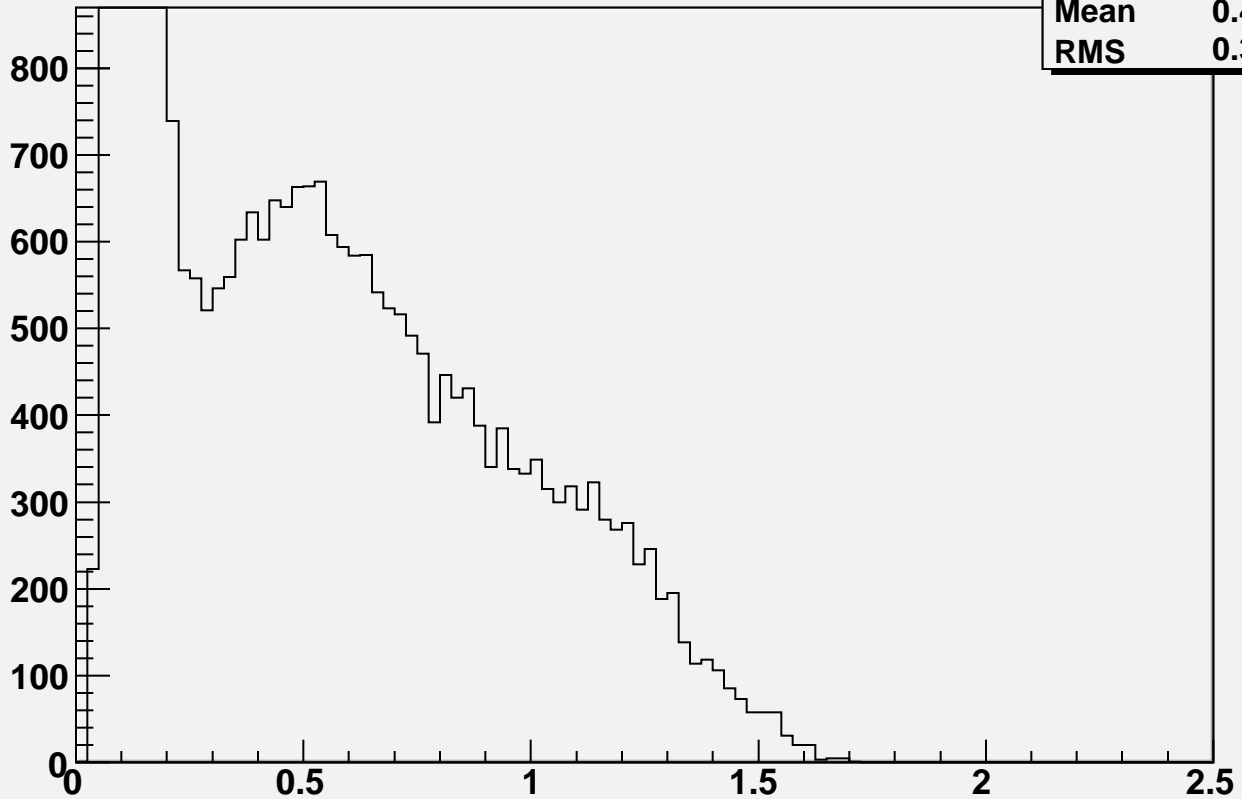
h2	
Entries	13527
Mean	0.4292
RMS	0.2892

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



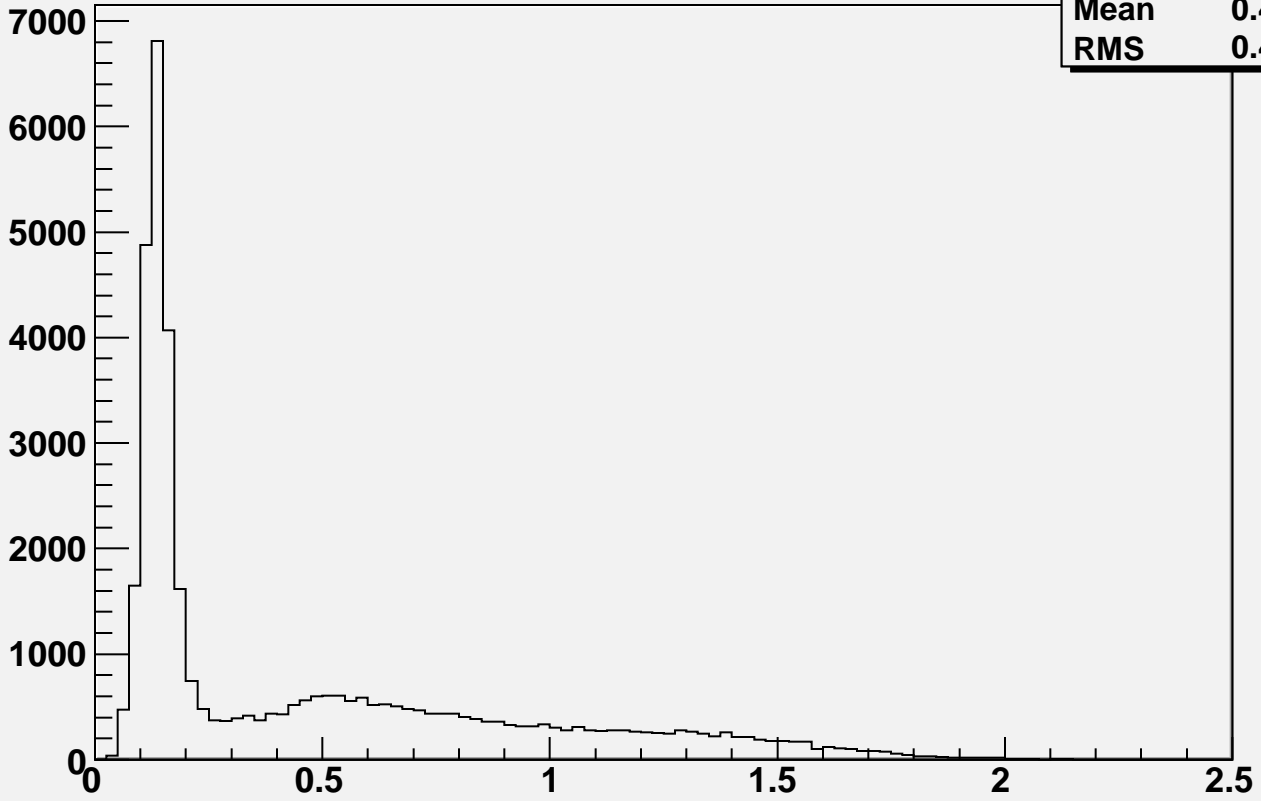
h1	
Entries	41937
Mean	0.4169
RMS	0.3724

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



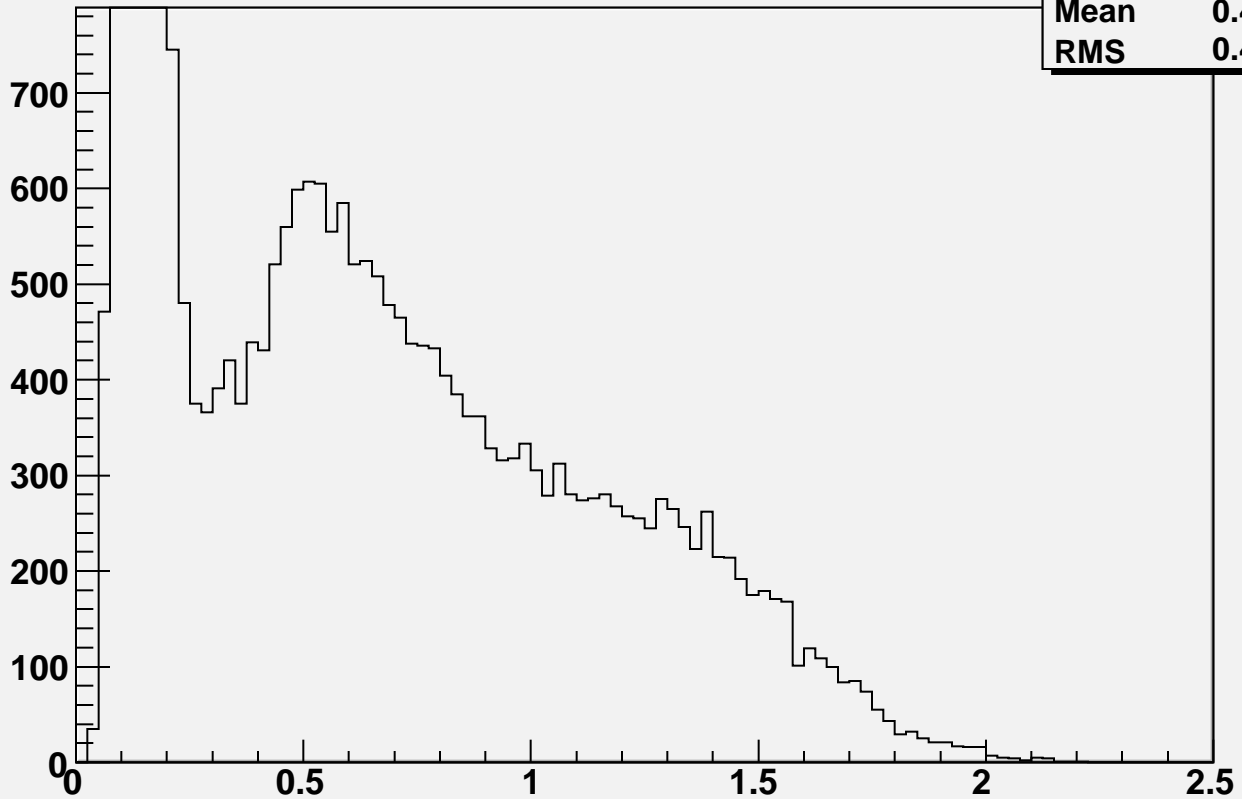
h2	
Entries	41937
Mean	0.4169
RMS	0.3724

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



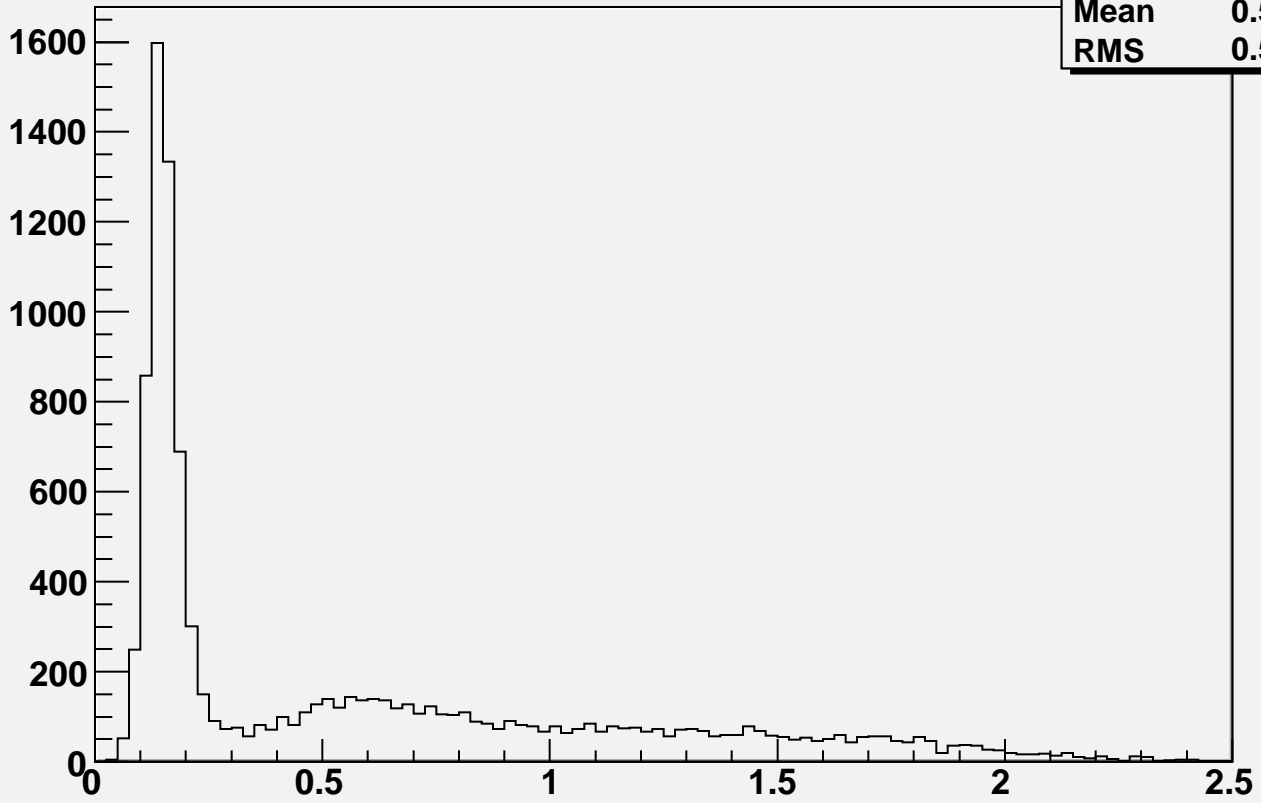
h1	
Entries	40788
Mean	0.4865
RMS	0.4505

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



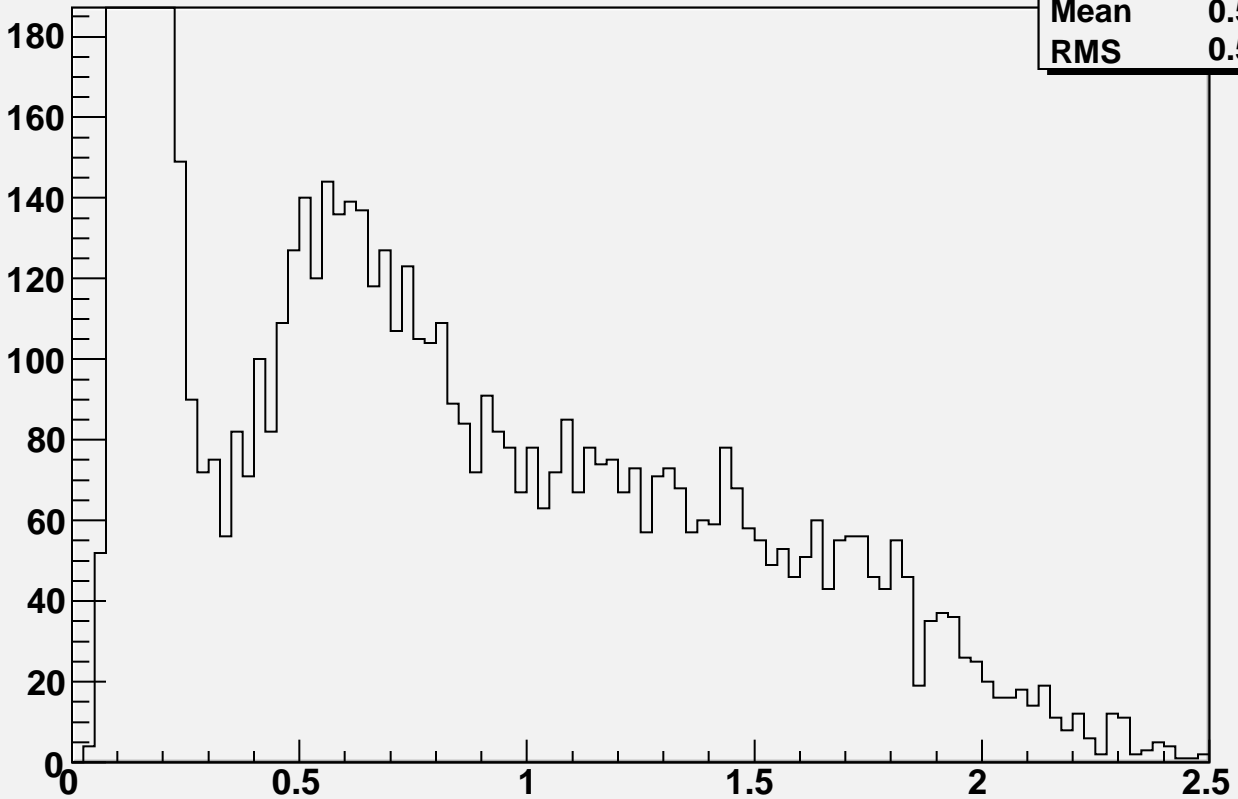
h2	
Entries	40788
Mean	0.4865
RMS	0.4505

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



h1	
Entries	10727
Mean	0.5905
RMS	0.5604

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

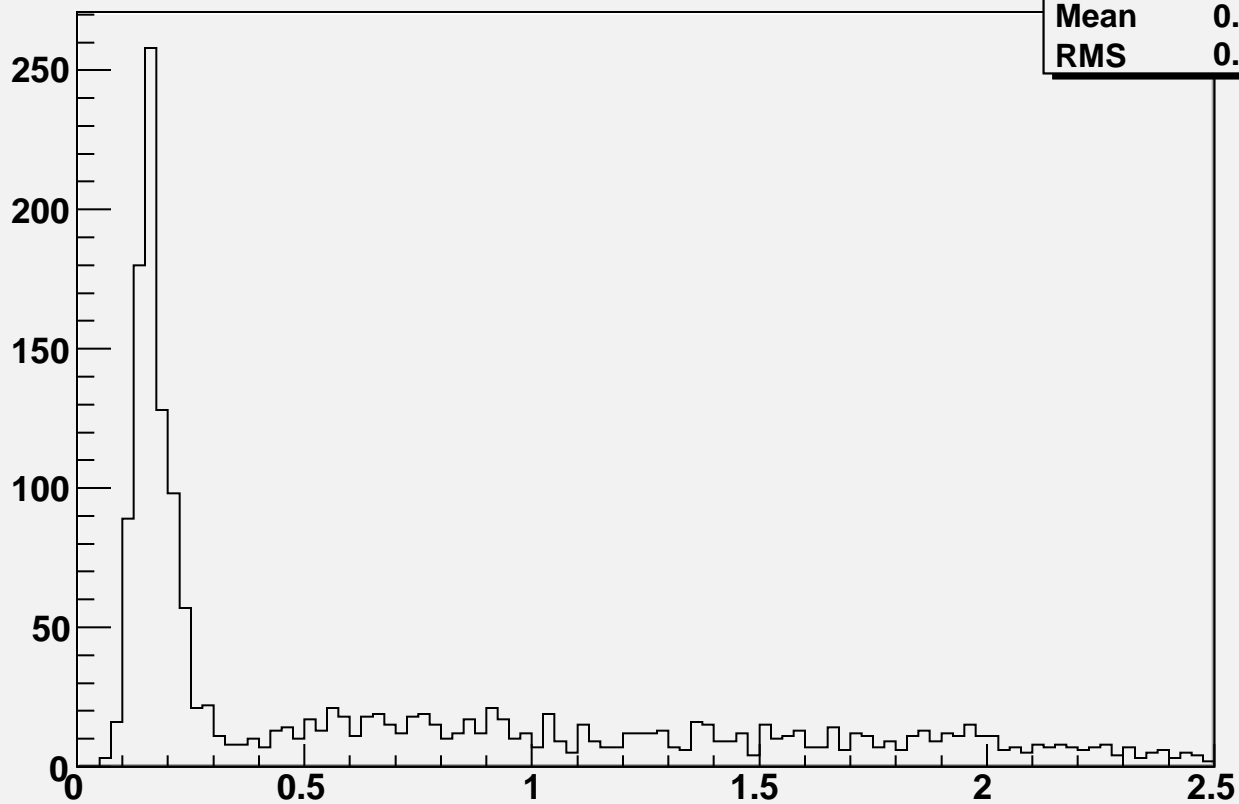


h2	
Entries	10727
Mean	0.5905
RMS	0.5604

$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 60.000000| < 5 \text{ \& \& } |\text{Eta} - 3.600000| < .05$

h1

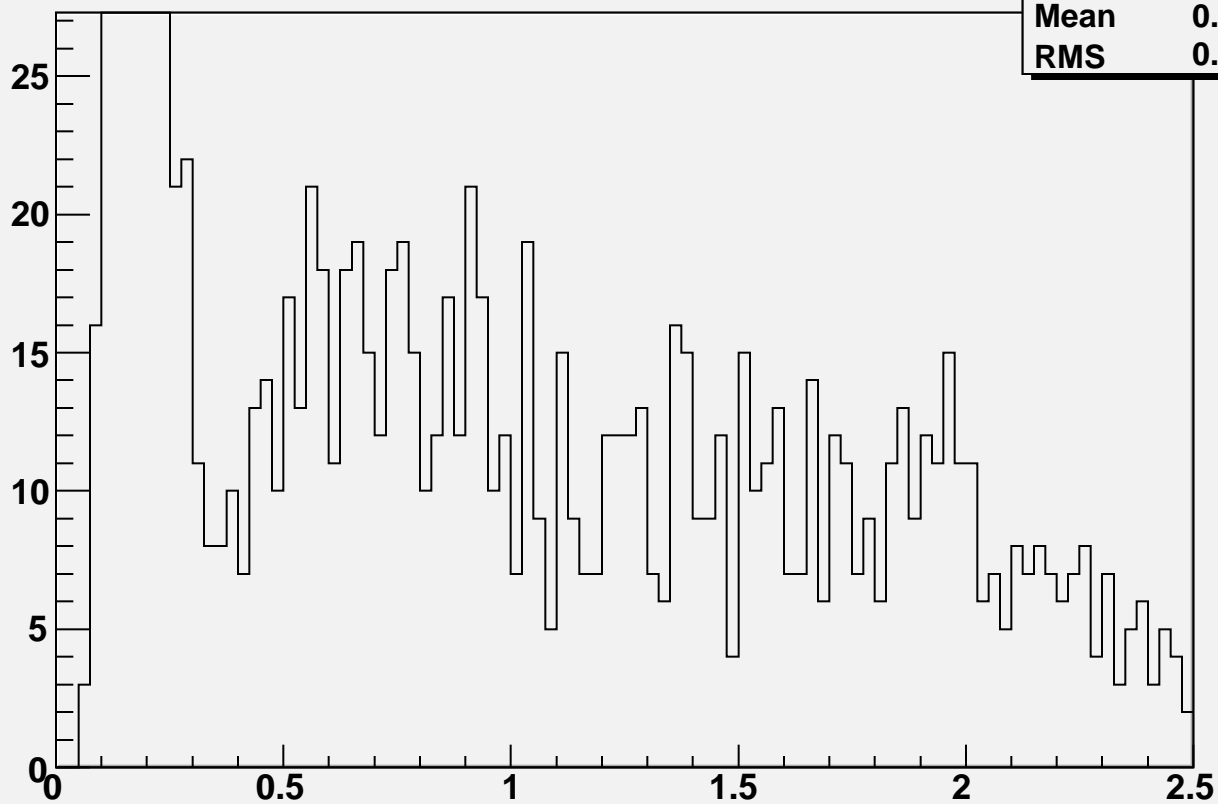
Entries	1825
Mean	0.7223
RMS	0.6832



$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 60.000000| < 5 \text{ \& \& } |\text{Eta} - 3.600000| < .05$

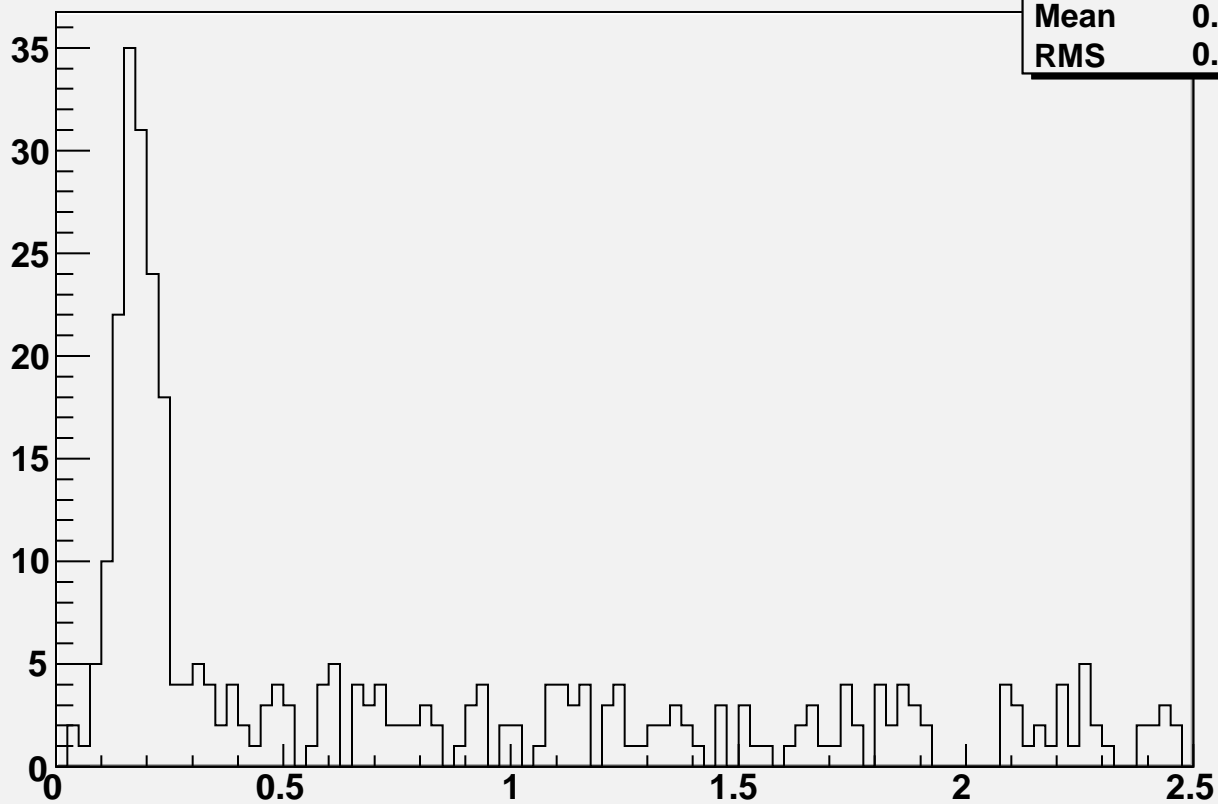
h2

Entries	1825
Mean	0.7223
RMS	0.6832



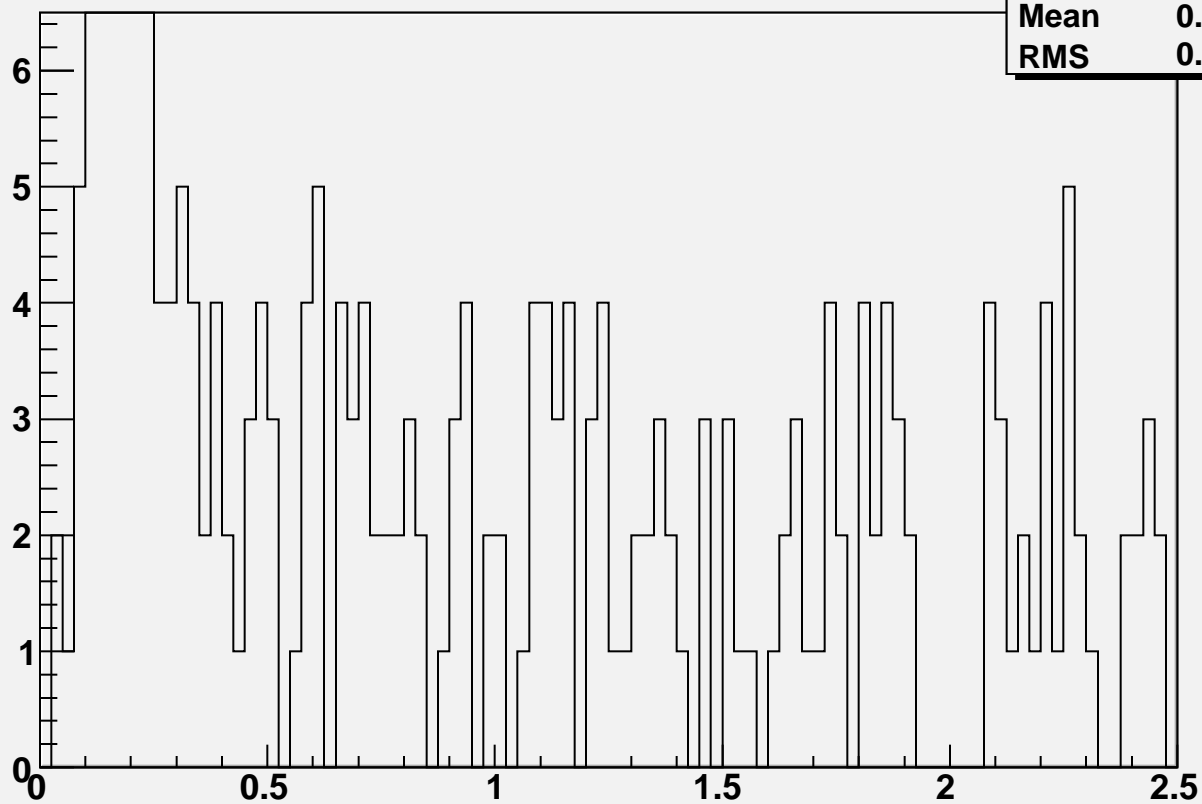
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 70.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.600000) < .05$

h1	
Entries	362
Mean	0.7608
RMS	0.7246

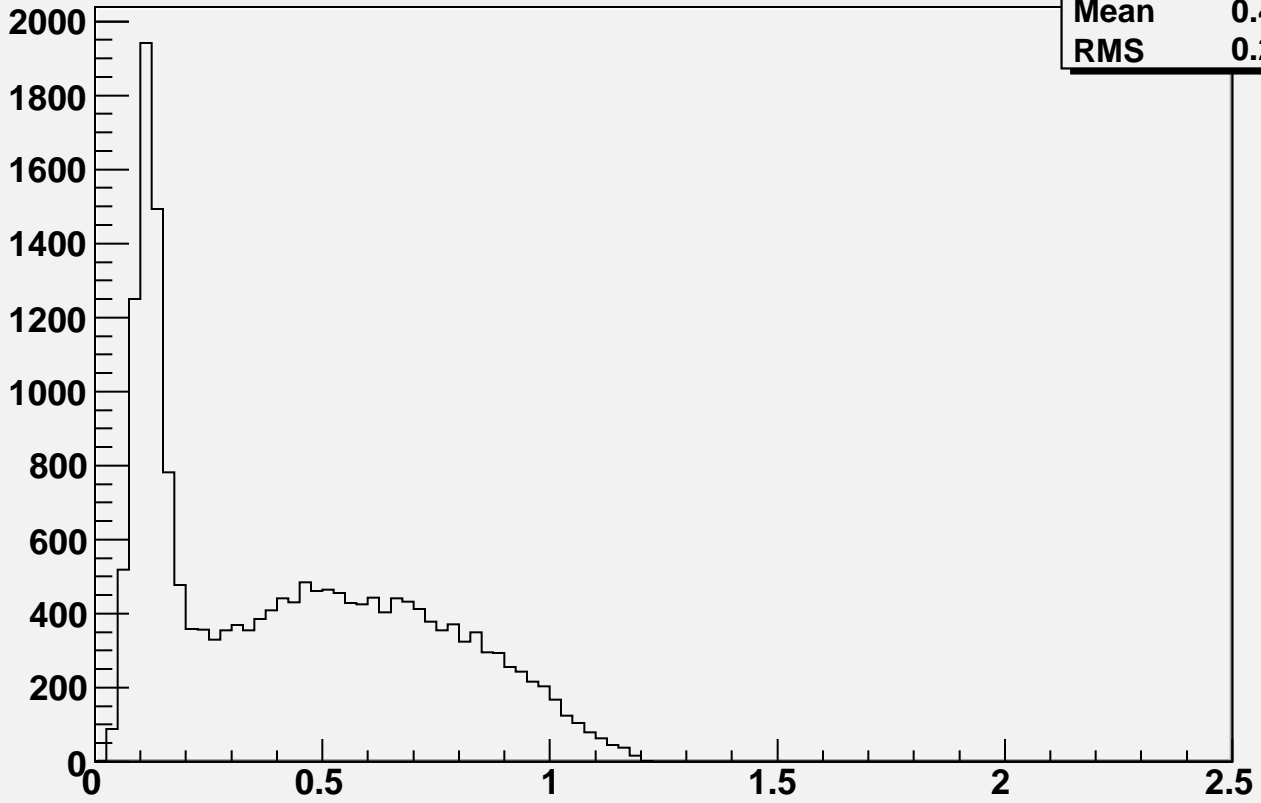


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 70.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.600000) < .05$

h2	
Entries	362
Mean	0.7608
RMS	0.7246

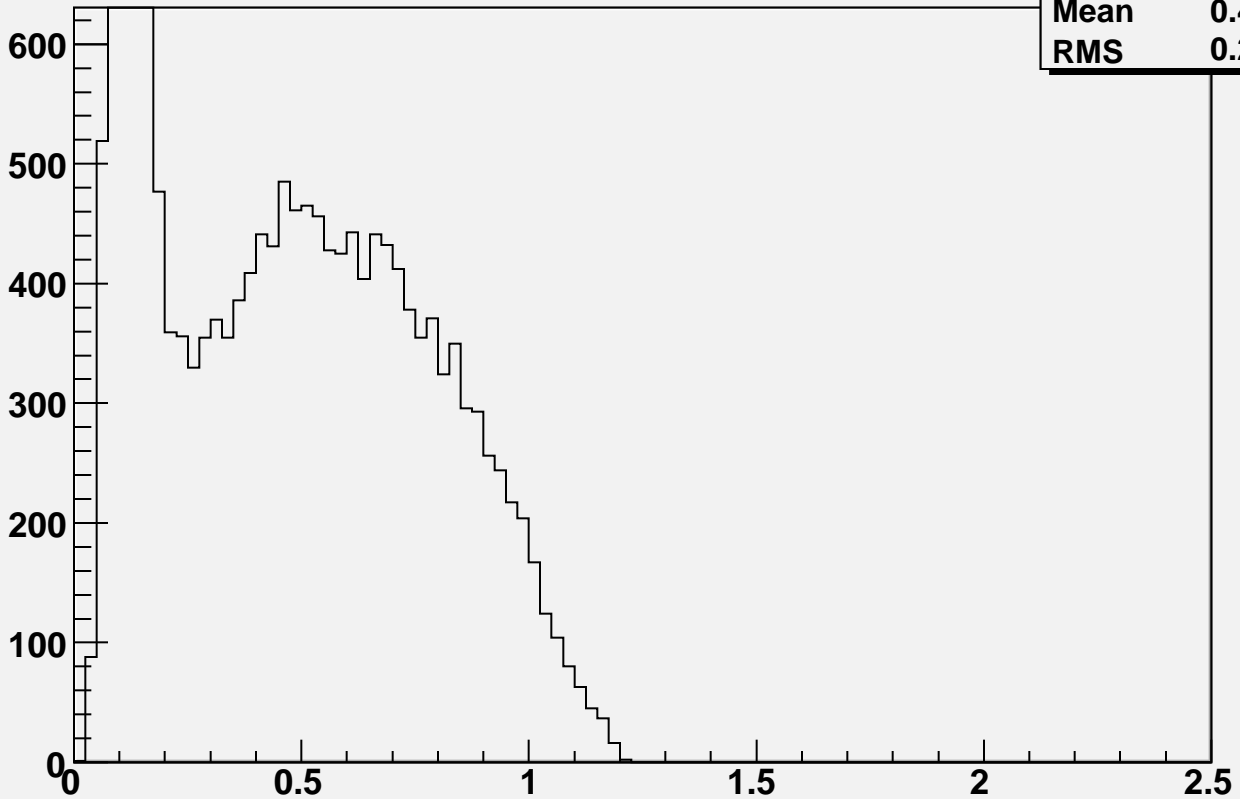


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5 \&\& \text{abs}(\text{Eta} - 3.500000) < .05$



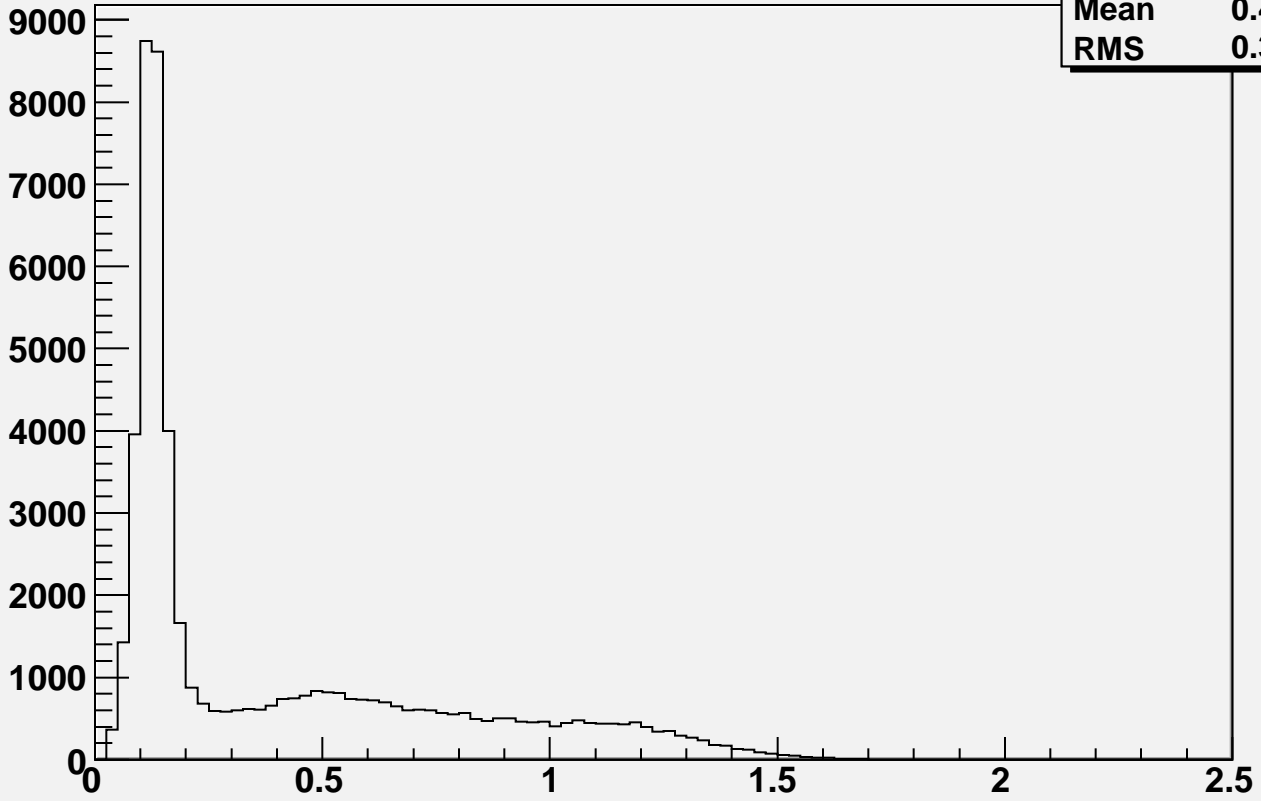
h1	
Entries	19123
Mean	0.4362
RMS	0.2975

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



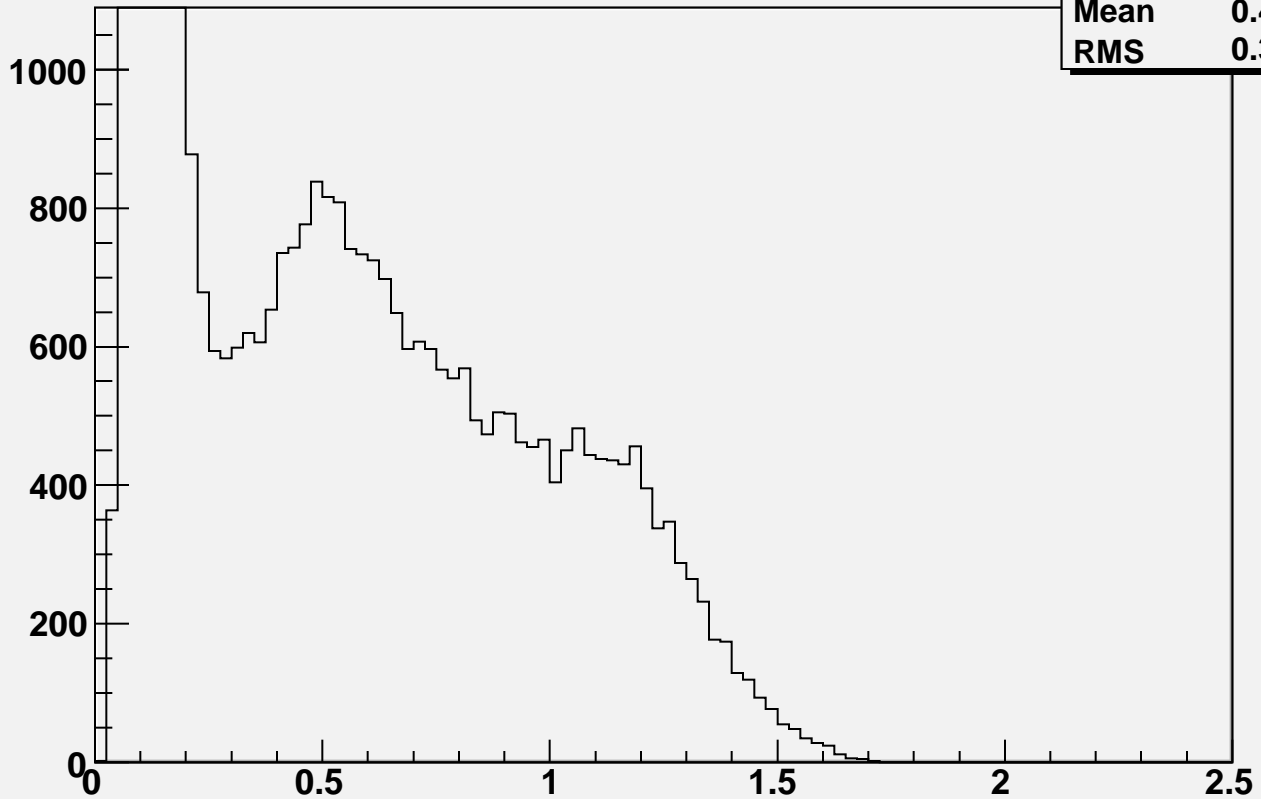
h2	
Entries	19123
Mean	0.4362
RMS	0.2975

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



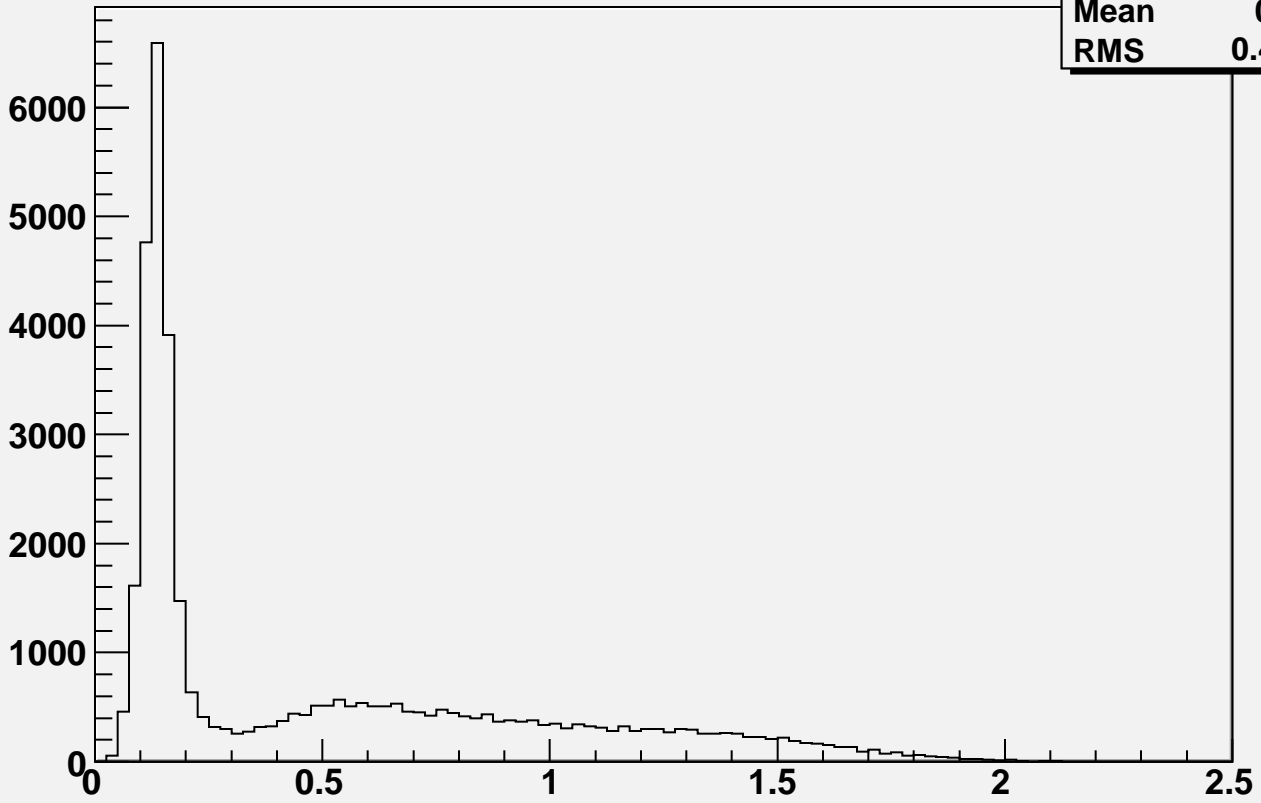
h1	
Entries	55485
Mean	0.4125
RMS	0.3805

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



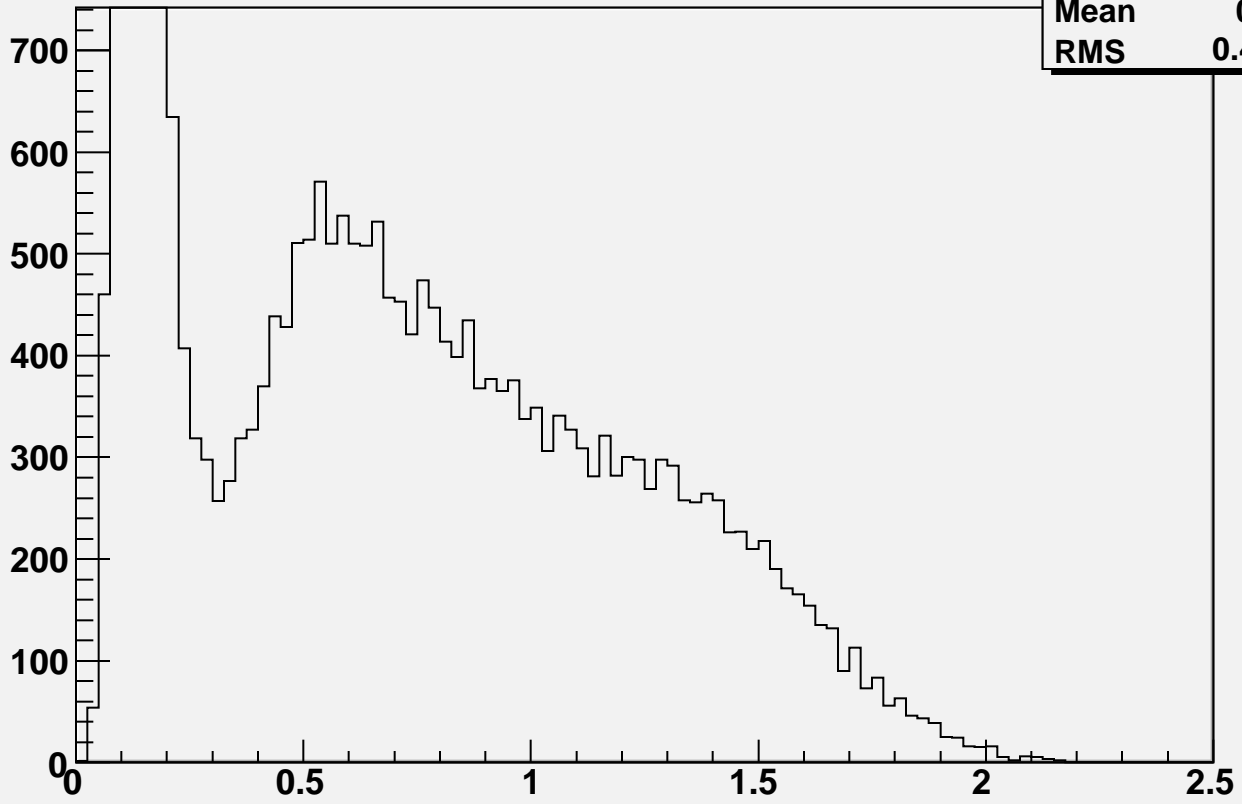
h2	
Entries	55485
Mean	0.4125
RMS	0.3805

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



h1	
Entries	40015
Mean	0.521
RMS	0.4765

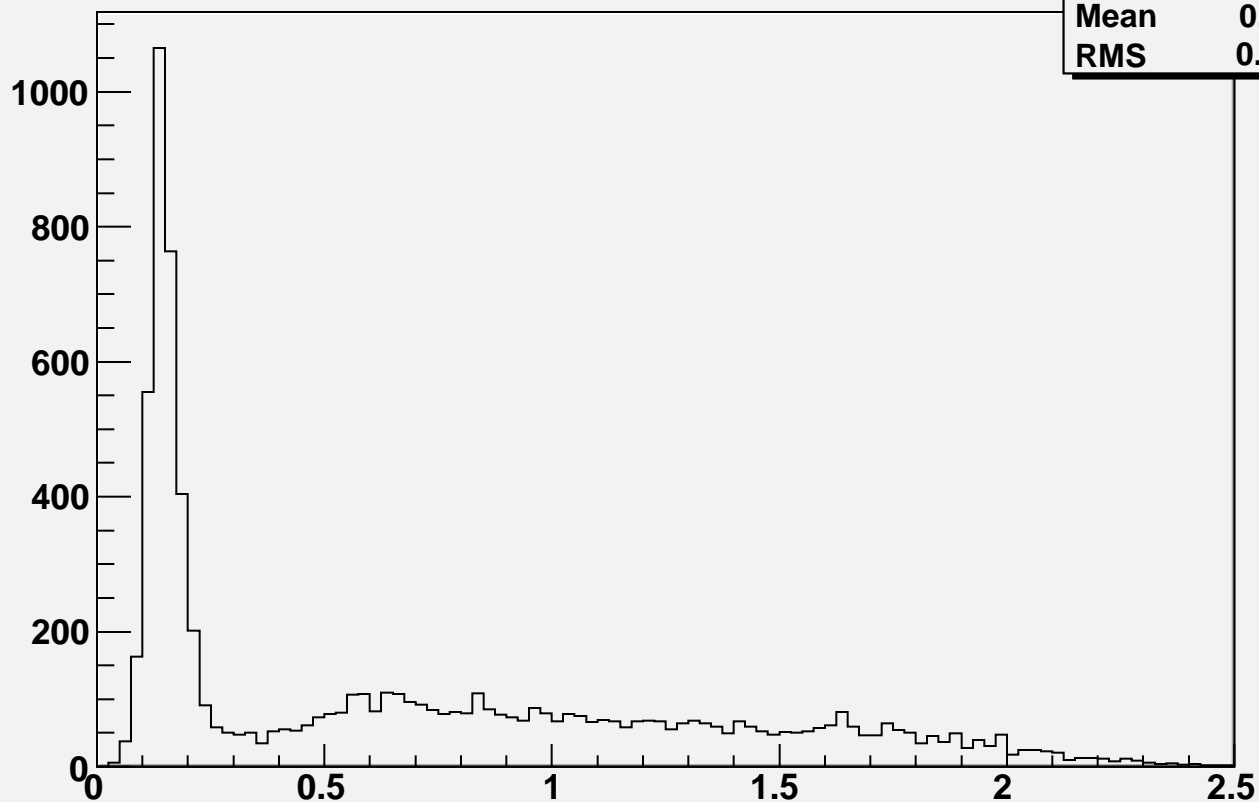
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 40.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.500000) < .05$



h2	
Entries	40015
Mean	0.521
RMS	0.4765

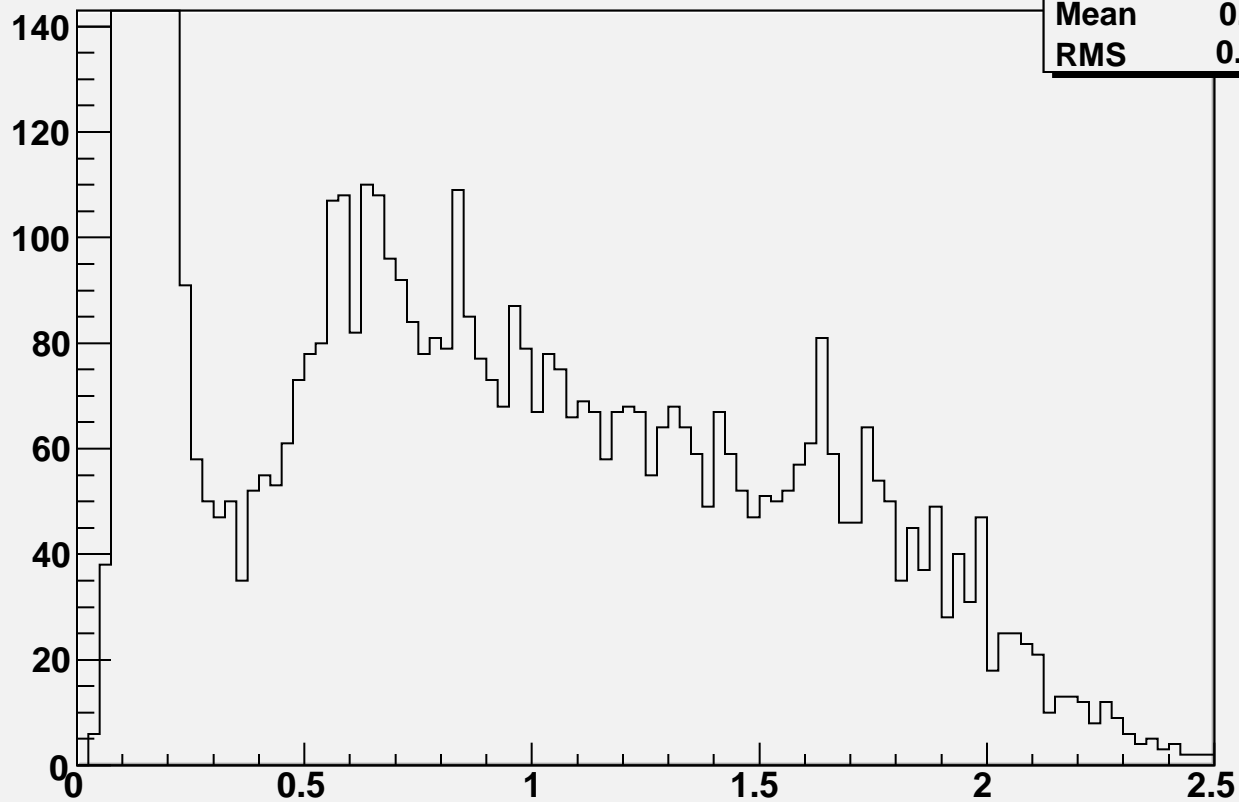
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } |\text{E}_{12} - 50.000000| < 5. \text{ \&\& } |\text{Eta} - 3.500000| < .05$

h1	
Entries	8054
Mean	0.7121
RMS	0.6115



$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } |\text{E}_{12} - 50.000000| < 5. \text{ \&\& } |\text{Eta} - 3.500000| < .05$

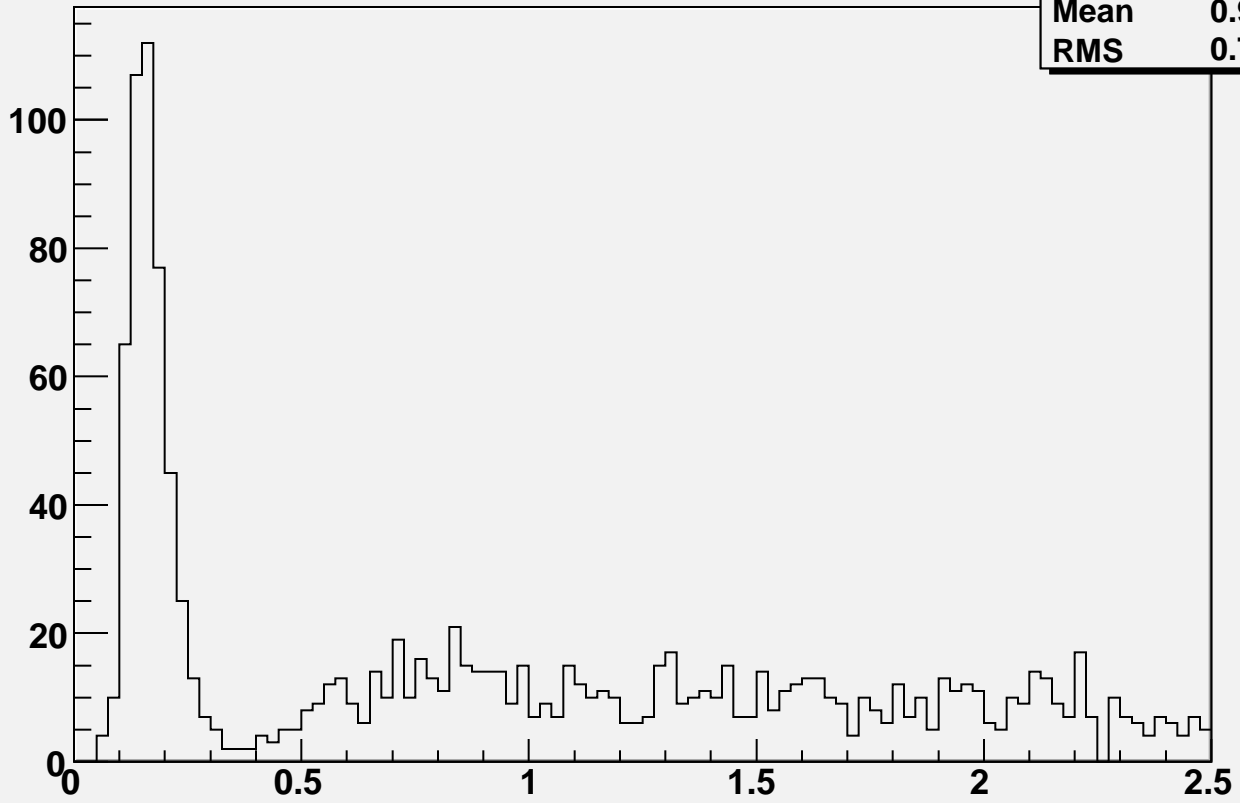
h2	
Entries	8054
Mean	0.7121
RMS	0.6115



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

h1

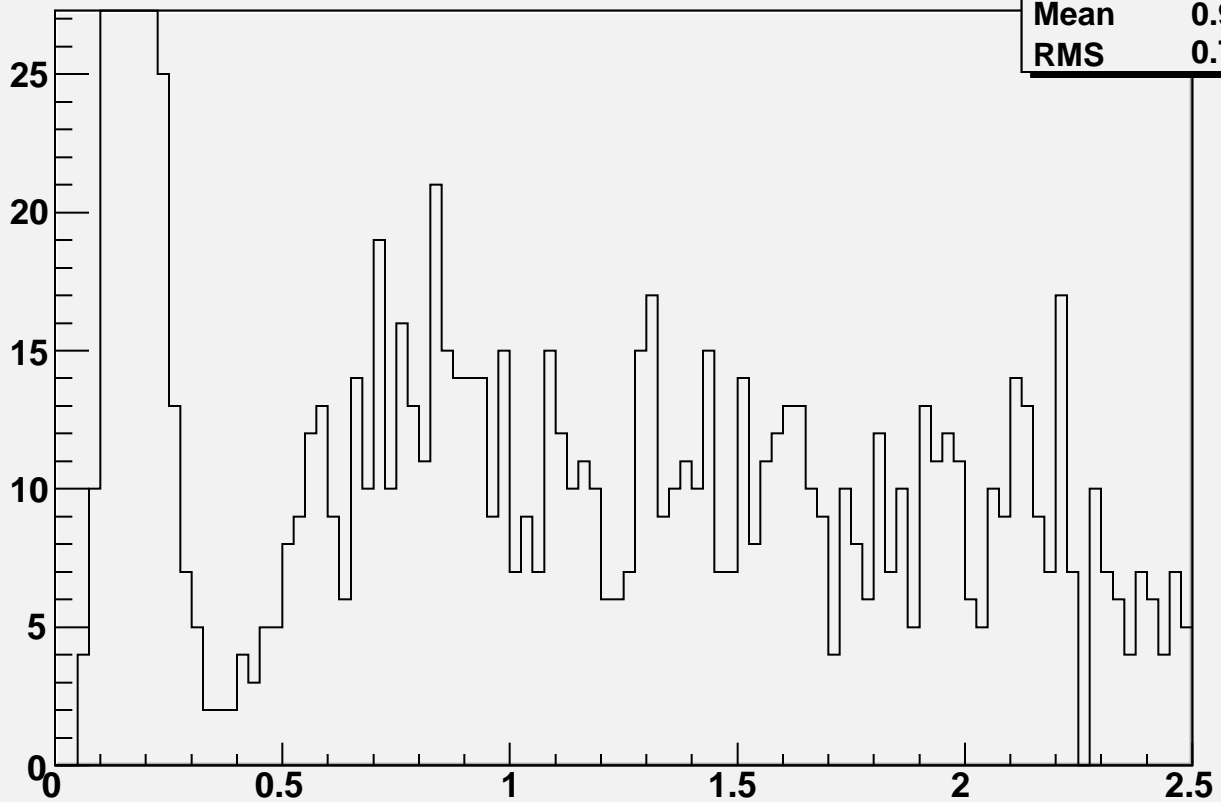
Entries	1322
Mean	0.9406
RMS	0.7408



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

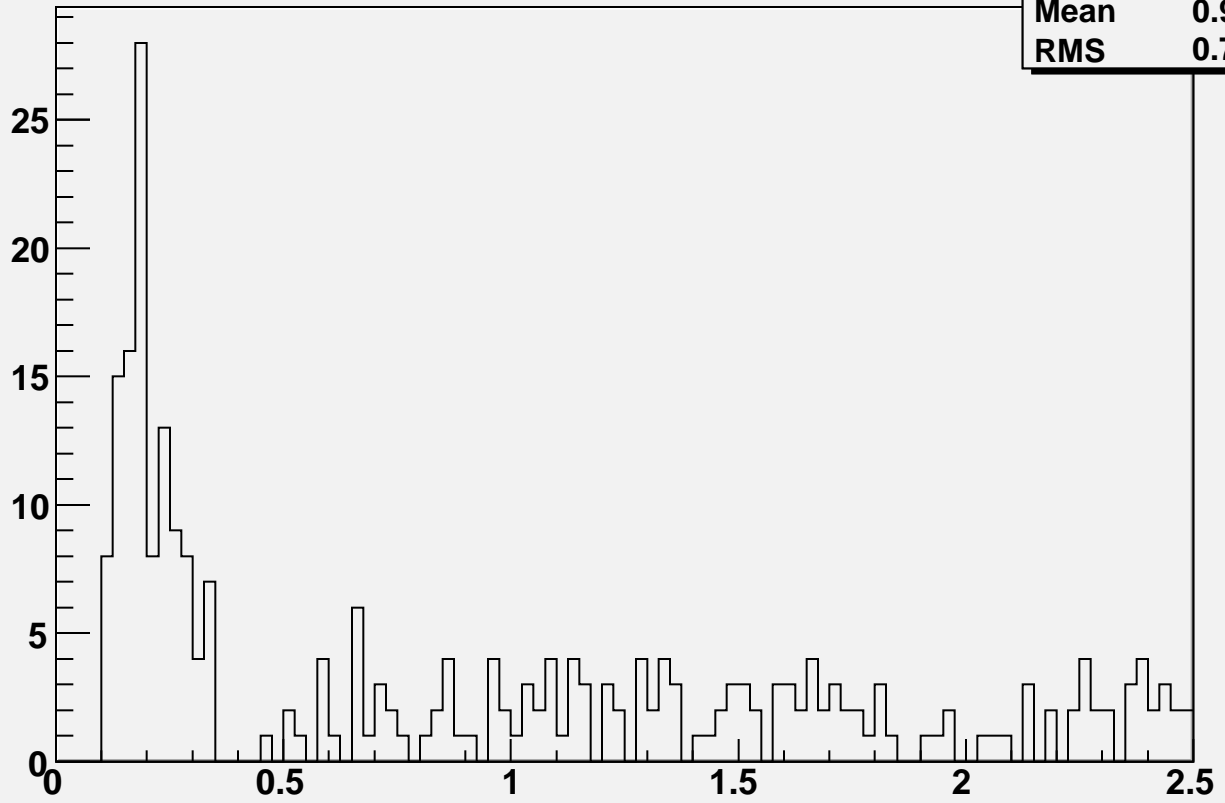
h2

Entries	1322
Mean	0.9406
RMS	0.7408



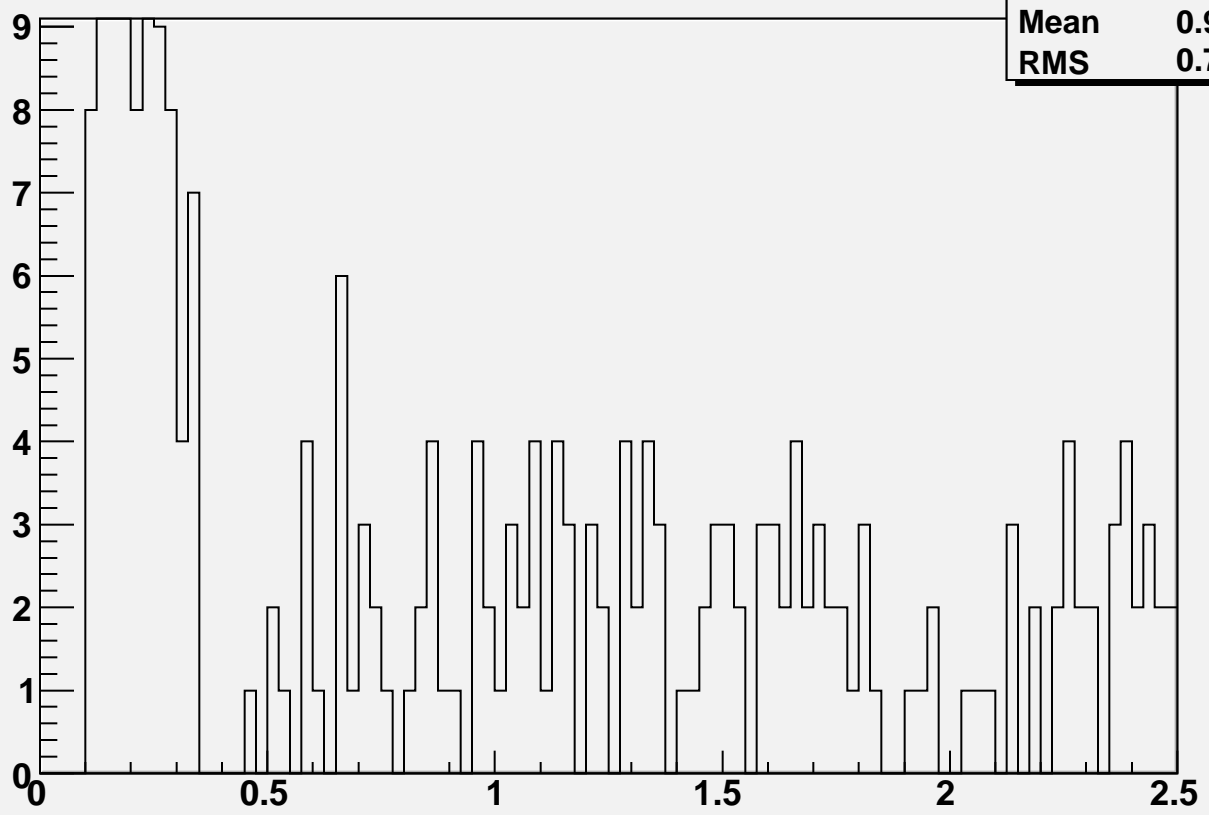
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 70.000000| < 5 \text{ \& \& } |\text{Eta} - 3.500000| < .05$

h1	
Entries	293
Mean	0.9167
RMS	0.7624

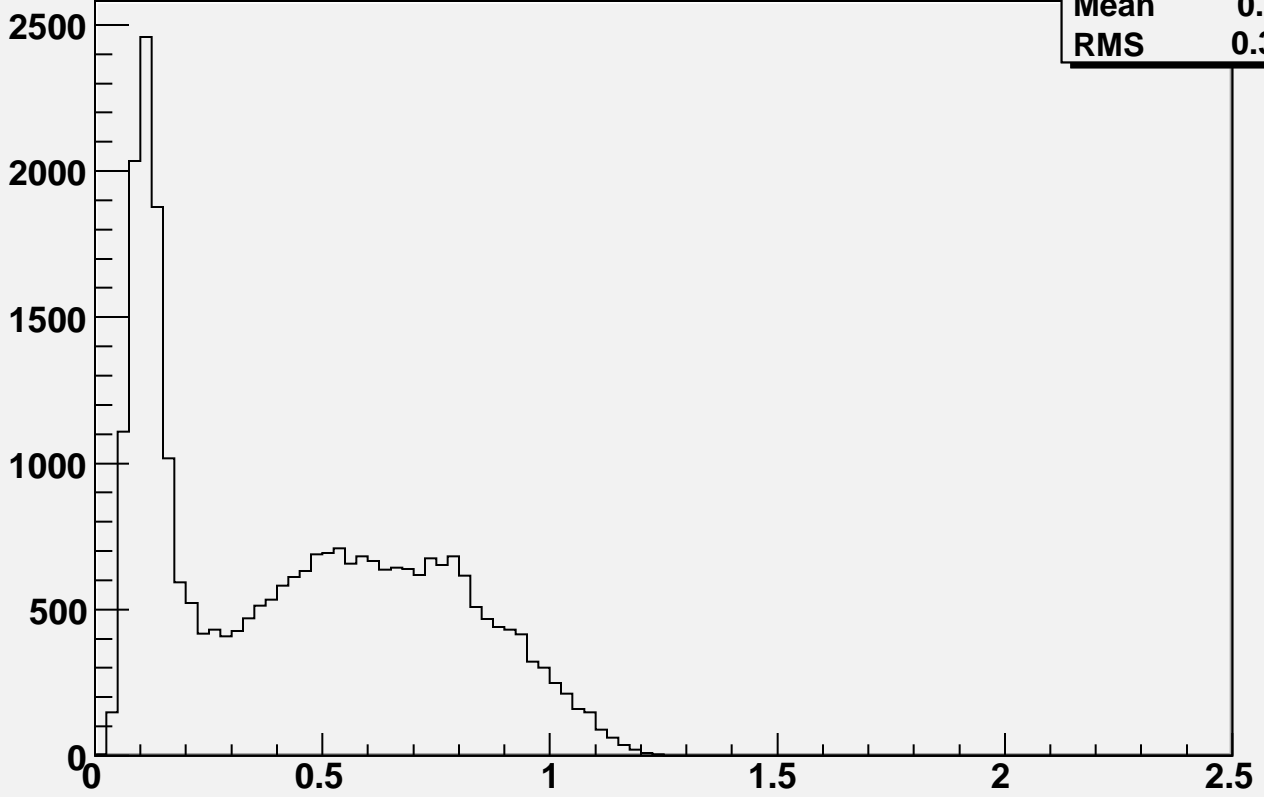


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 70.000000| < 5 \text{ \& \& } |\text{Eta} - 3.500000| < .05$

h2	
Entries	293
Mean	0.9167
RMS	0.7624

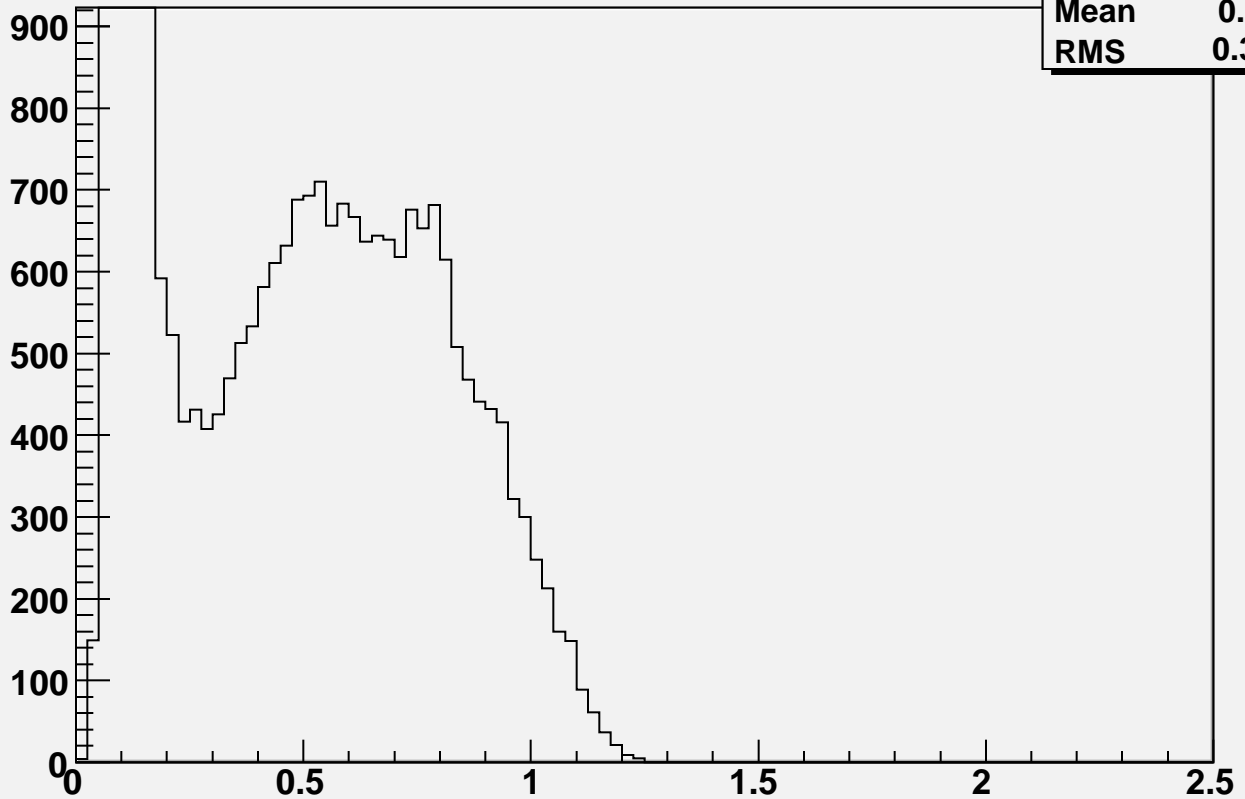


$N_{12} = 2 \text{ \&Z} < .7 \text{ \&\&abs}(E_{12} - 20.000000) < 5. \text{ \&\&abs}(\text{Eta} - 3.400000) < .05$



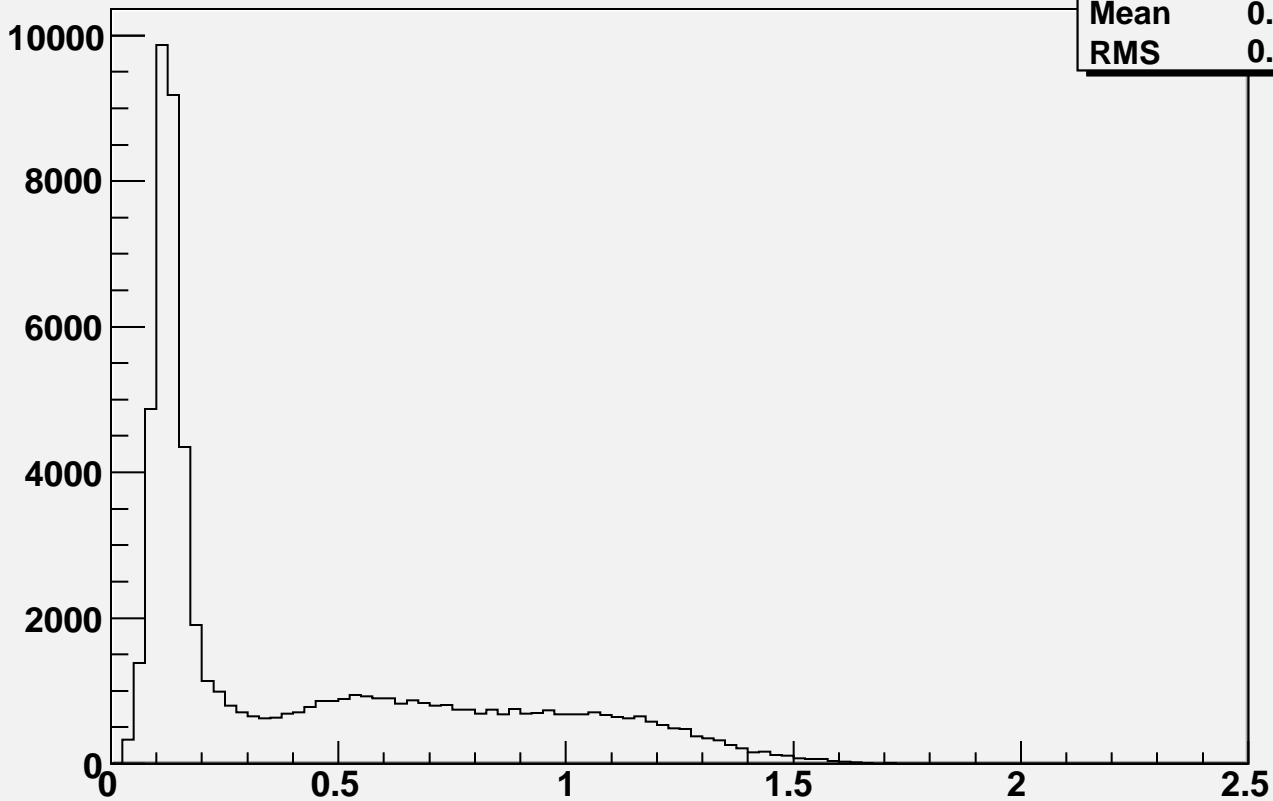
h1	
Entries	27925
Mean	0.4531
RMS	0.3039

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



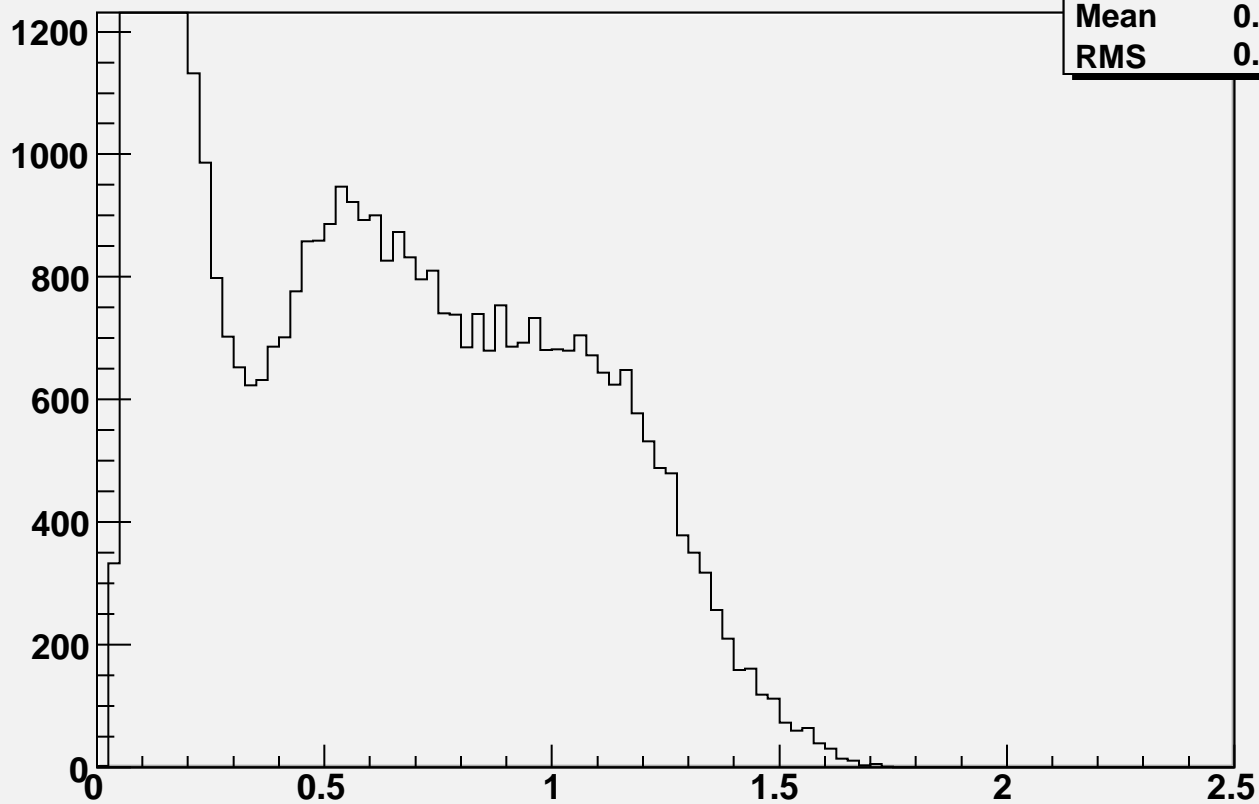
h2	
Entries	27925
Mean	0.4531
RMS	0.3039

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



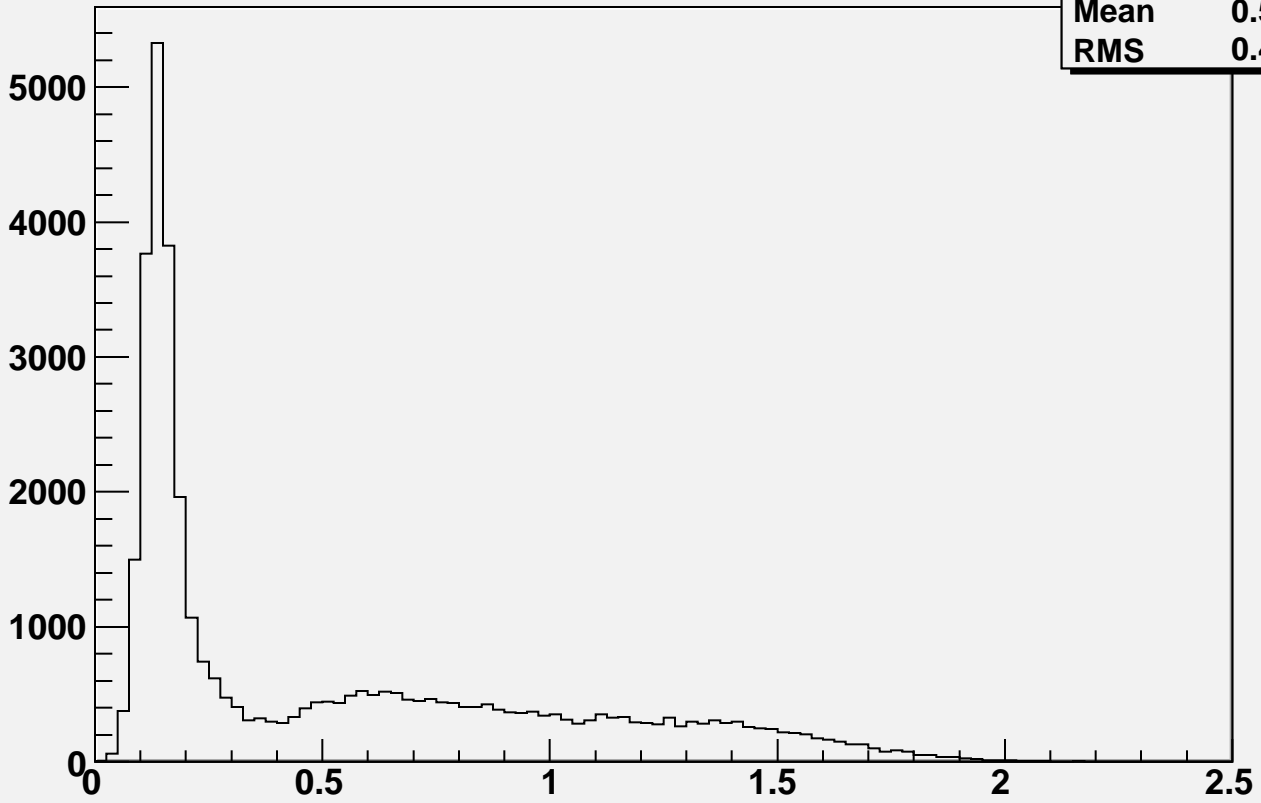
h1	
Entries	66202
Mean	0.4487
RMS	0.3973

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



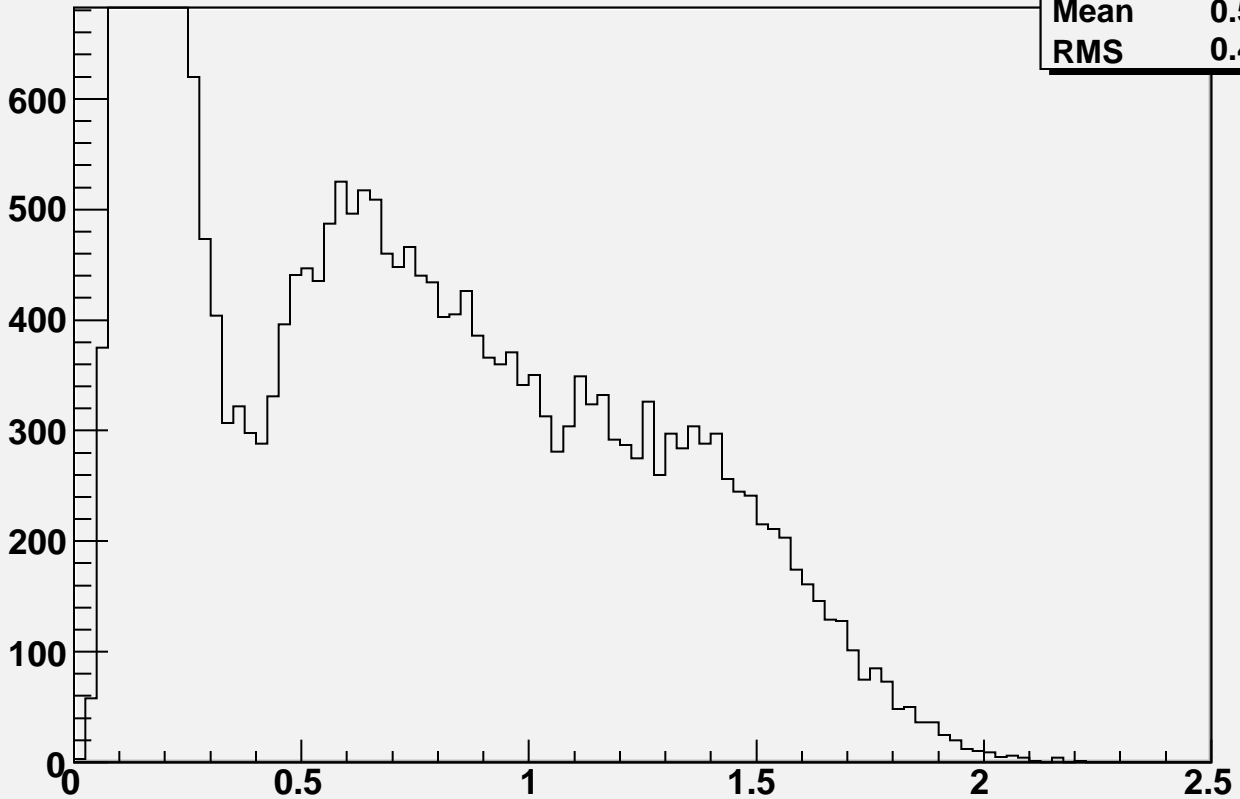
h2	
Entries	66202
Mean	0.4487
RMS	0.3973

$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 40.000000| < 5. \text{ \& \& } |\text{Eta} - 3.400000| < .05$



h1	
Entries	39101
Mean	0.5402
RMS	0.4817

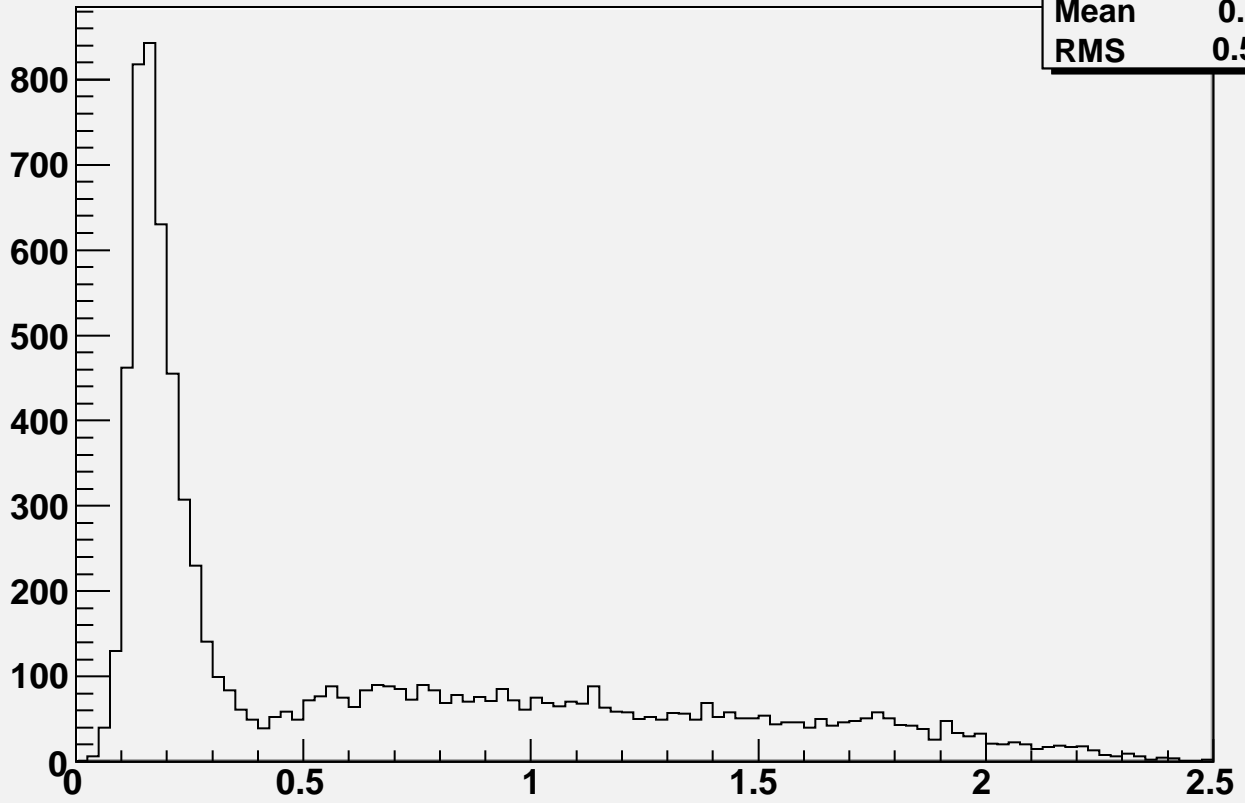
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 40.000000| < 5. \text{ \& \& } |\text{Eta} - 3.400000| < .05$



h2	
Entries	39101
Mean	0.5402
RMS	0.4817

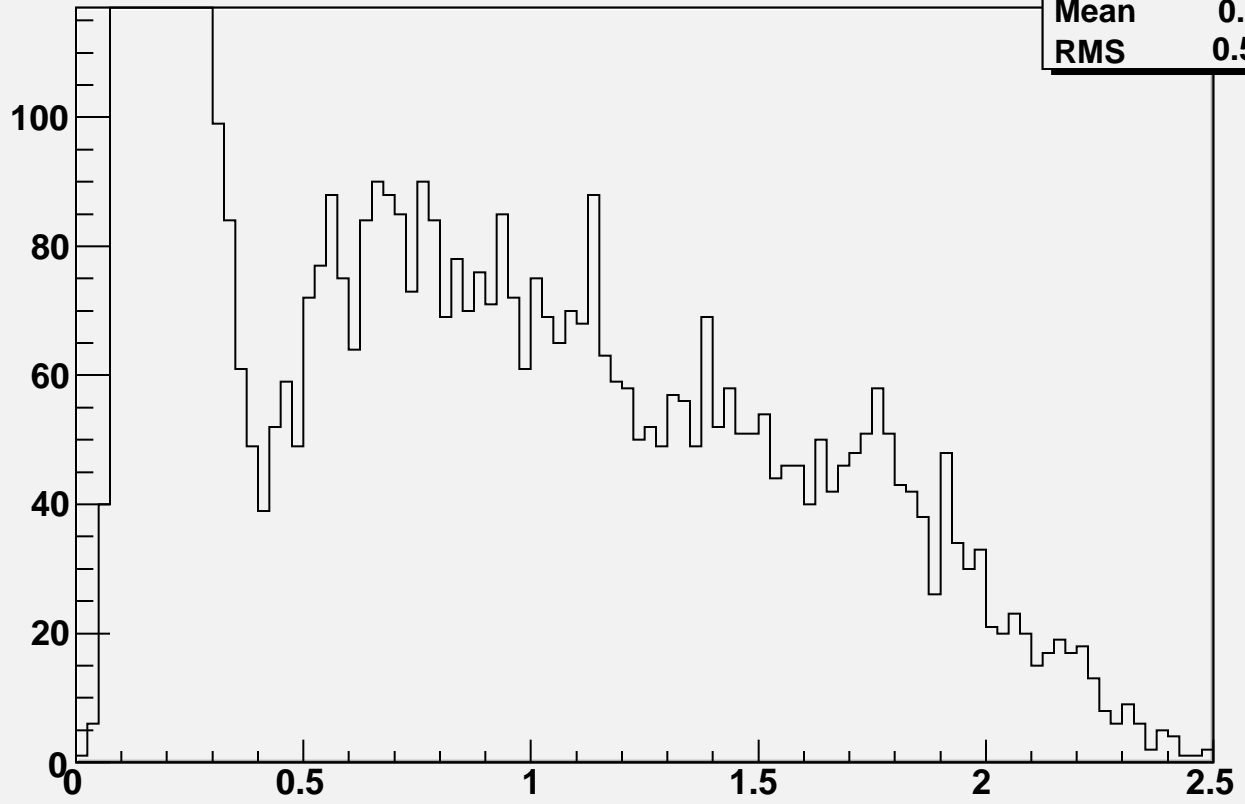
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.400000) < .05$

h1	
Entries	8417
Mean	0.6591
RMS	0.5984



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

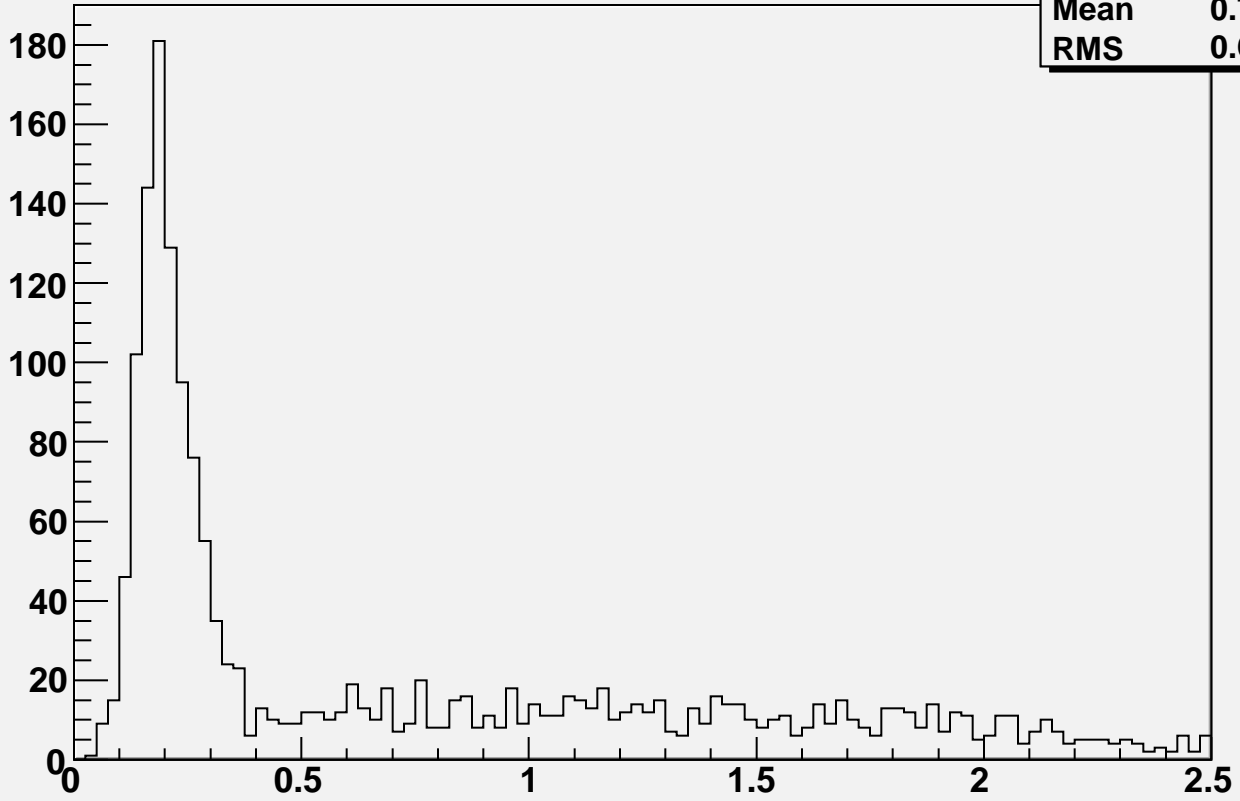
h2	
Entries	8417
Mean	0.6591
RMS	0.5984



$N_{12} = 2$ & $Z < 0.7$ & $|\text{E12} - 60.000000| < 5$ & $|\text{Eta} - 3.400000| < 0.05$

h1

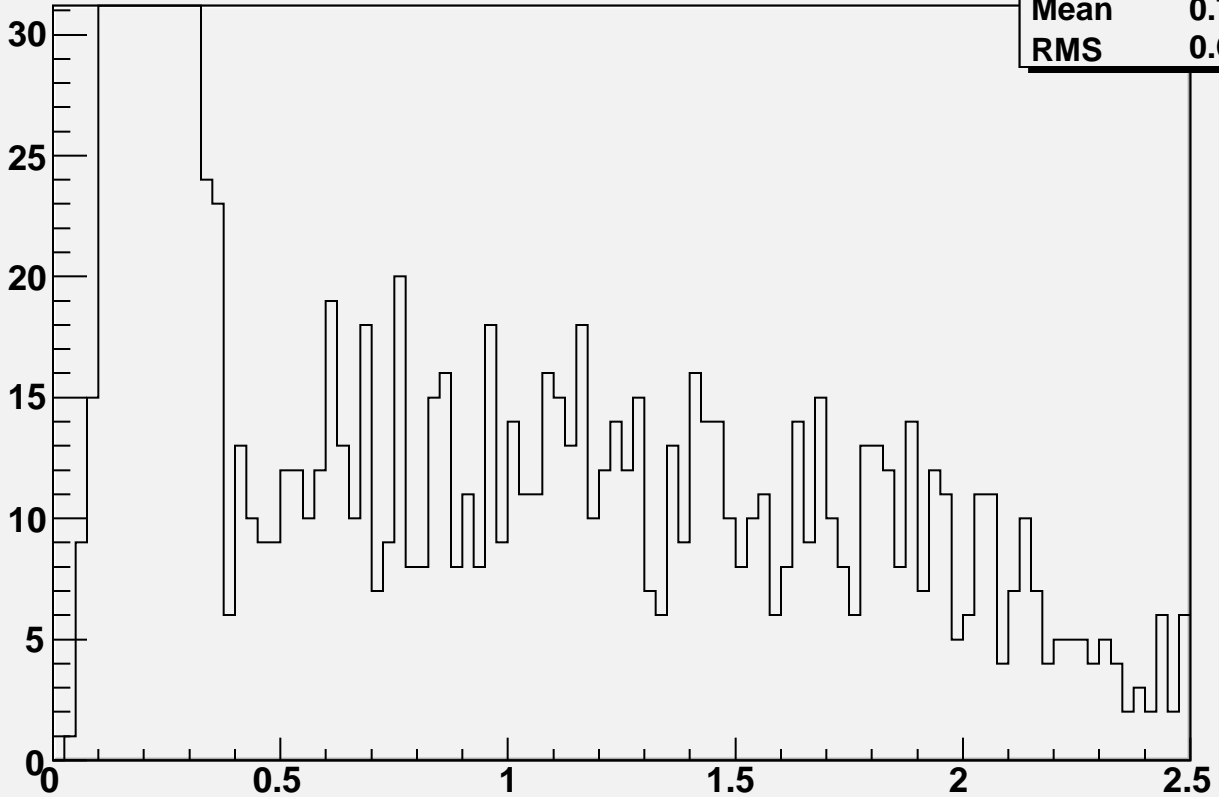
Entries	1812
Mean	0.7256
RMS	0.6669



$N_{12} = 2$ & $Z < 0.7$ & $|\text{E12} - 60.000000| < 5$ & $|\text{Eta} - 3.400000| < 0.05$

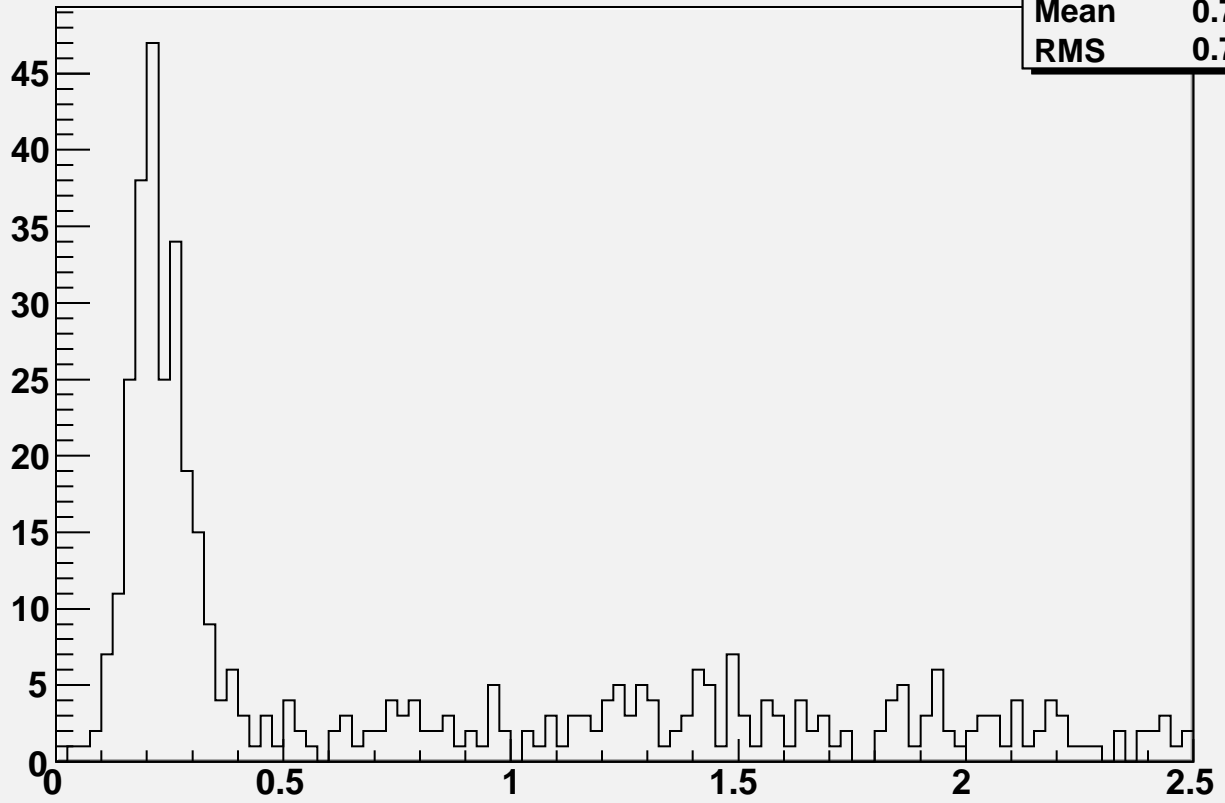
h2

Entries	1812
Mean	0.7256
RMS	0.6669



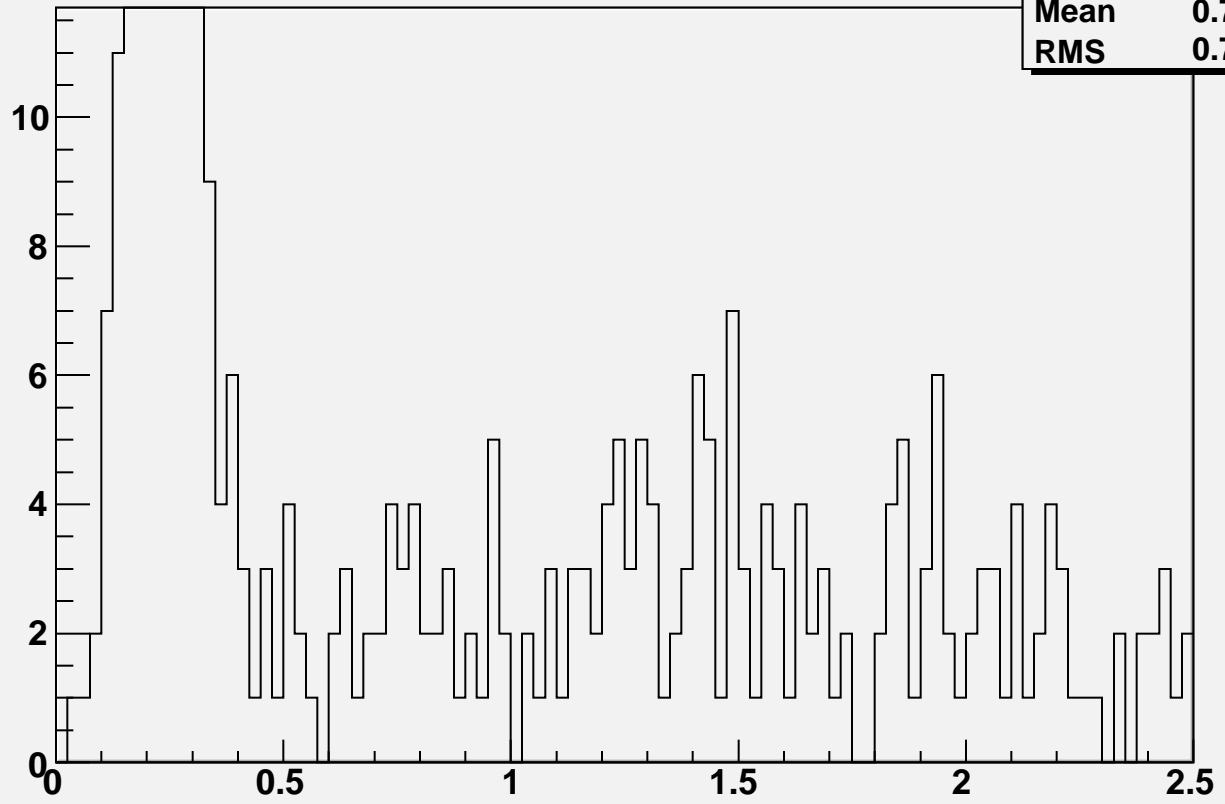
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 70.000000| < 5 \text{ \& \& } |\text{Eta} - 3.400000| < .05$

h1	
Entries	466
Mean	0.7683
RMS	0.7053



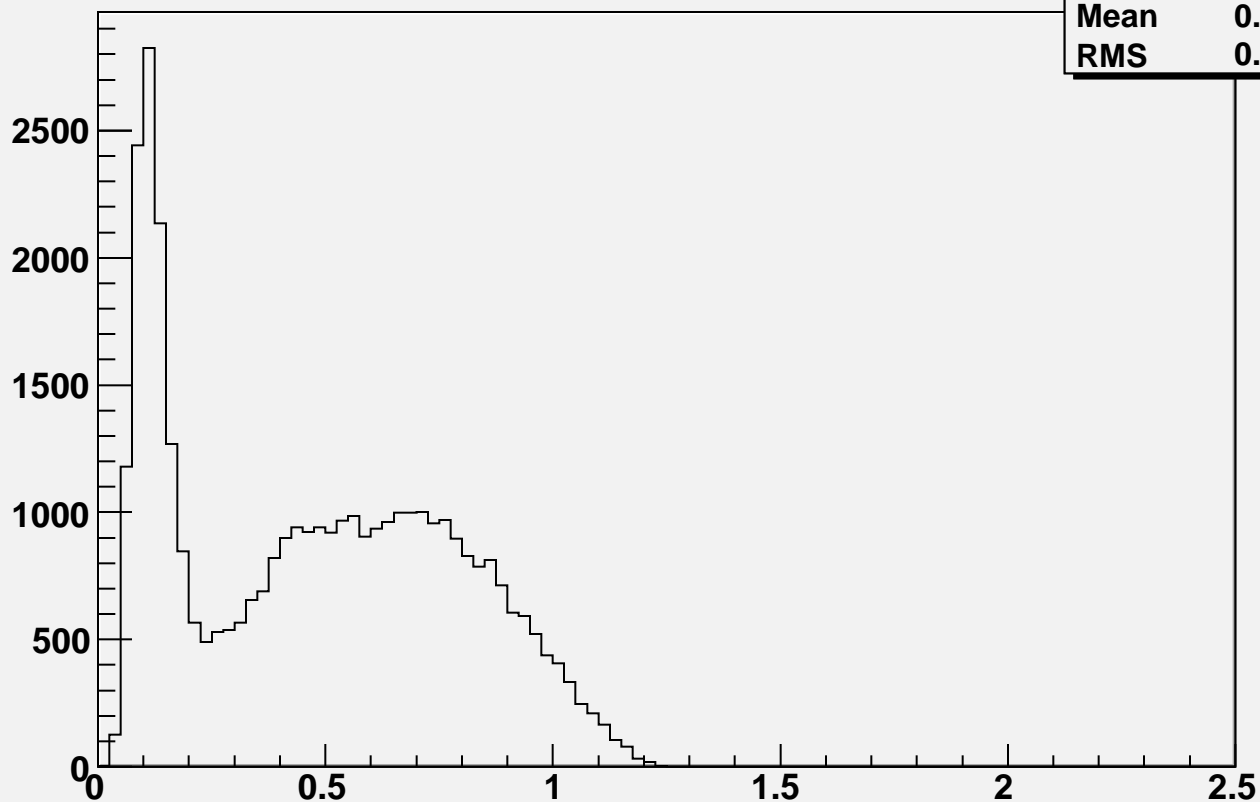
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 70.000000| < 5 \text{ \& \& } |\text{Eta} - 3.400000| < .05$

h2	
Entries	466
Mean	0.7683
RMS	0.7053



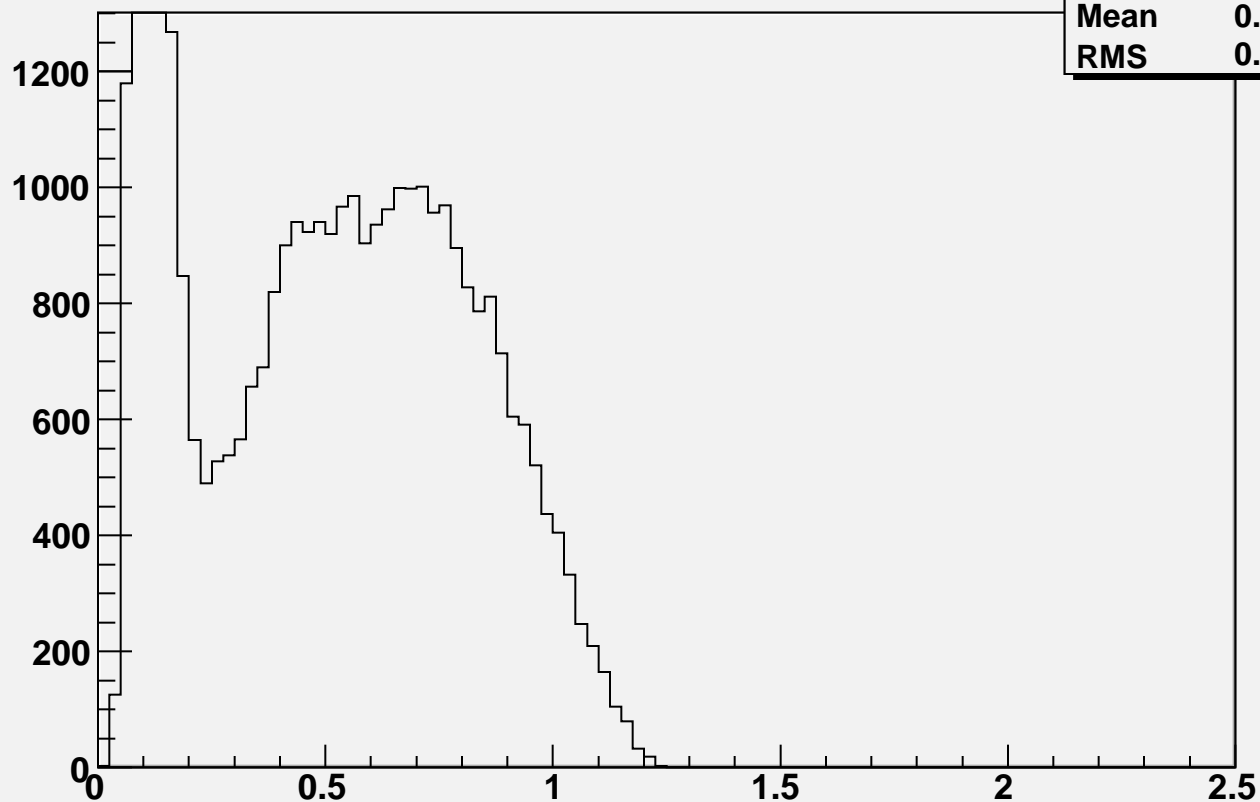
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.300000) < .05$

h1	
Entries	37756
Mean	0.4848
RMS	0.3033



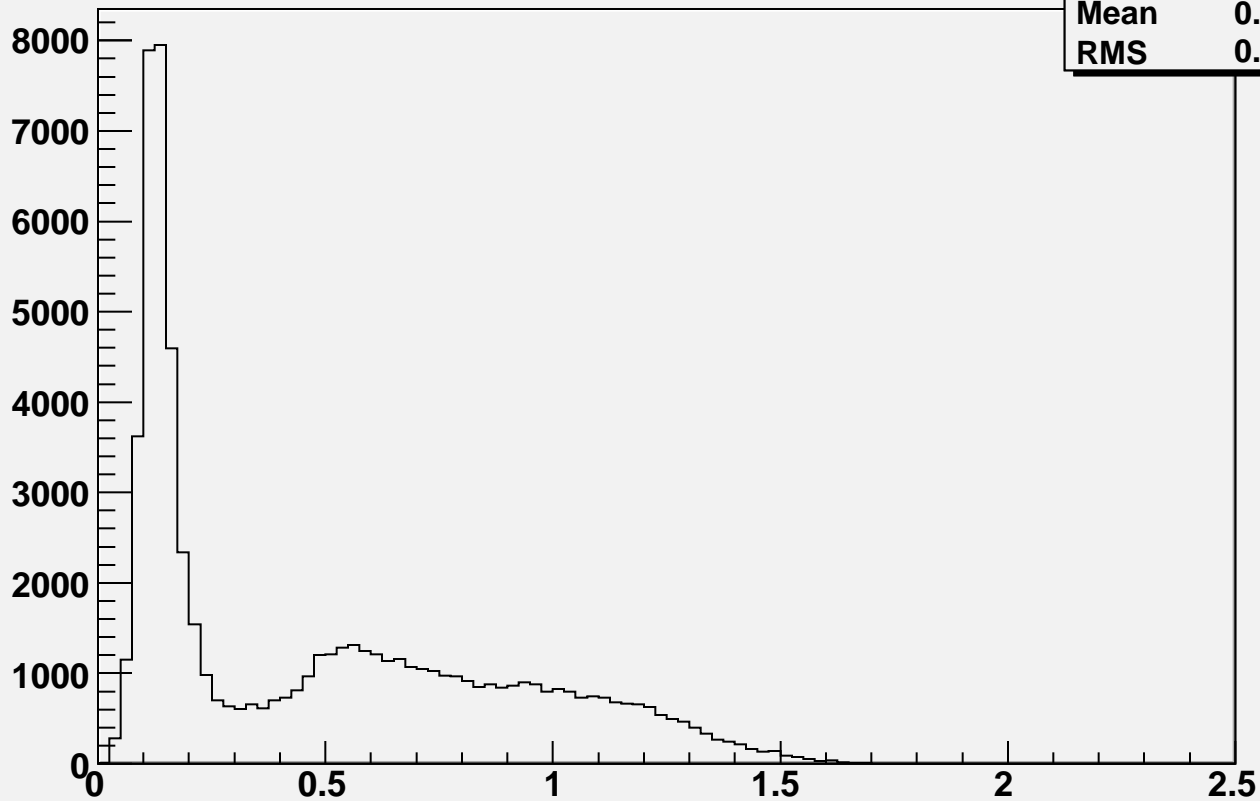
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.300000) < .05$

h2	
Entries	37756
Mean	0.4848
RMS	0.3033



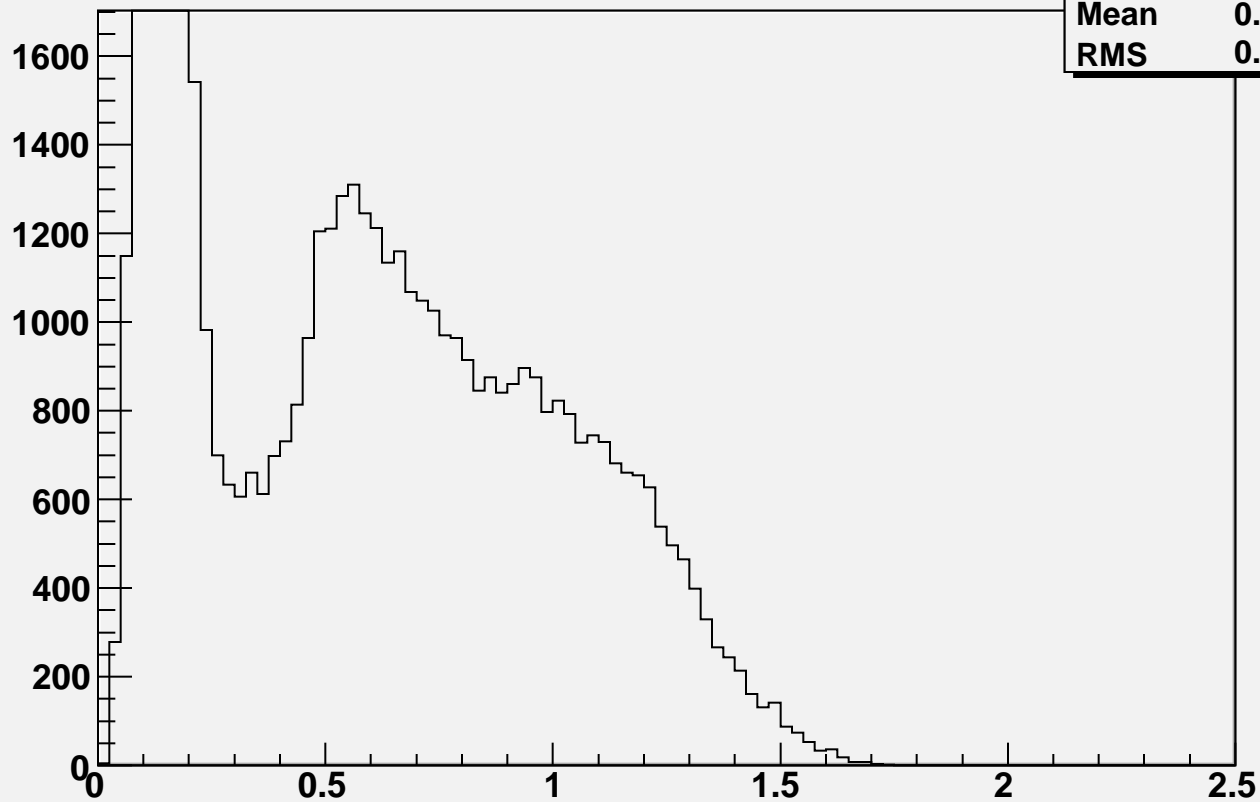
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 30.000000) < 5 \&\& \text{abs}(\text{Eta} - 3.300000) < .05$

h1	
Entries	68666
Mean	0.4977
RMS	0.3965

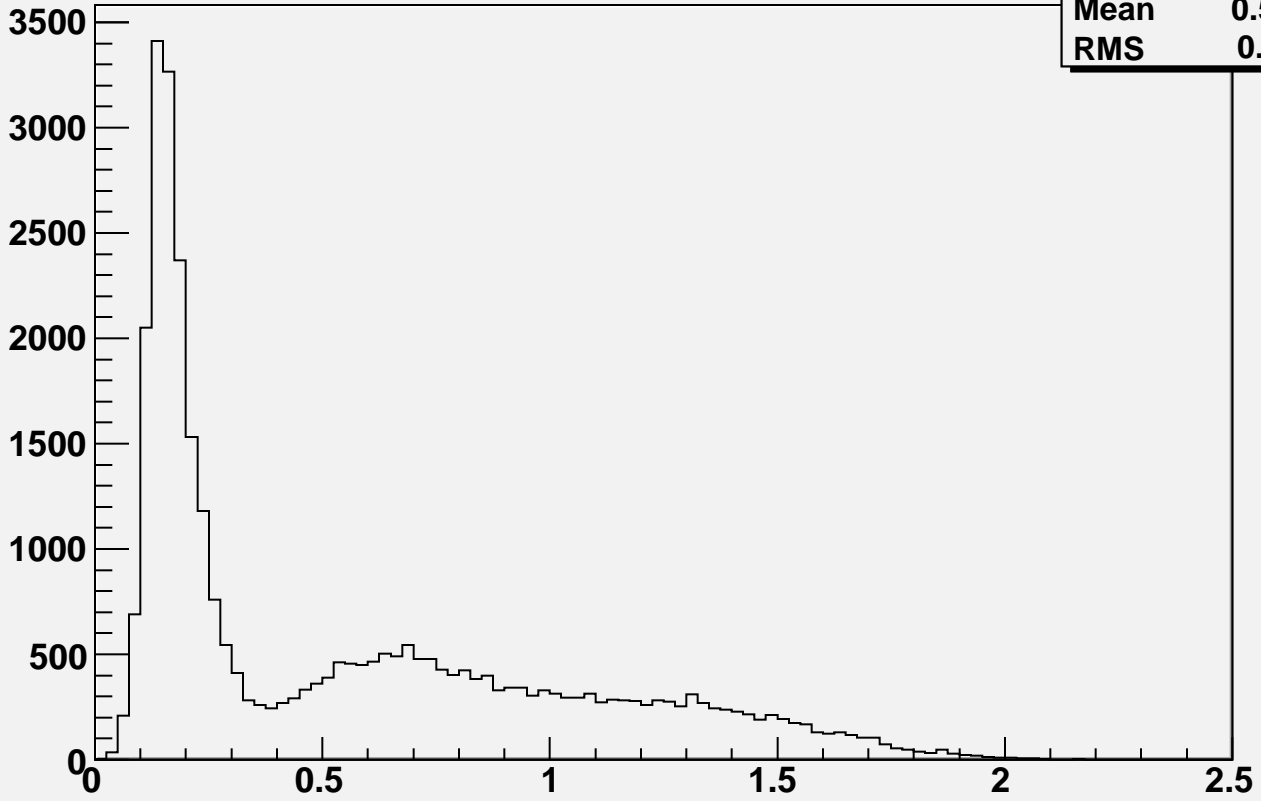


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 30.000000) < 5 \&\& \text{abs}(\text{Eta} - 3.300000) < .05$

h2	
Entries	68666
Mean	0.4977
RMS	0.3965

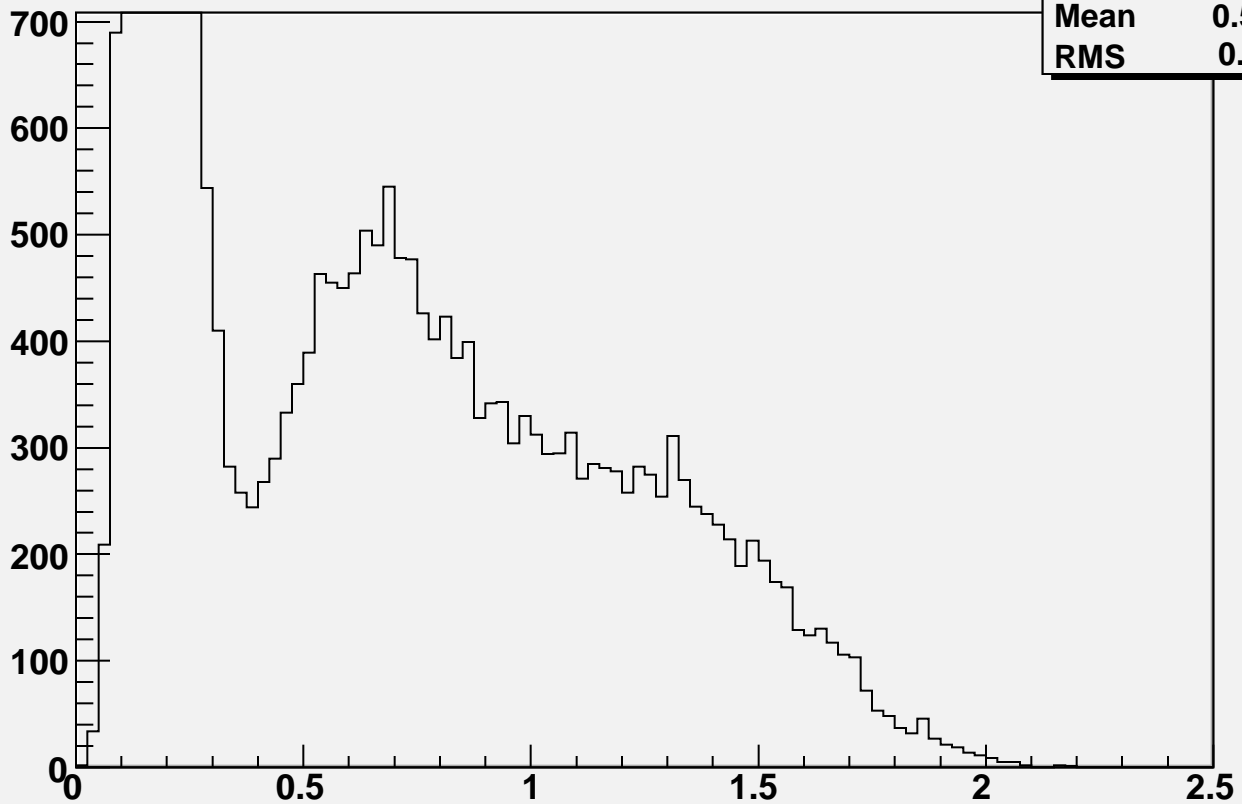


$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 40.000000| < 5. \text{ \& \& } |\text{Eta} - 3.300000| < .05$



h1	
Entries	33846
Mean	0.5653
RMS	0.4711

$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } |\text{E}_{12} - 40.000000| < 5. \text{ \& \& } |\text{Eta} - 3.300000| < .05$

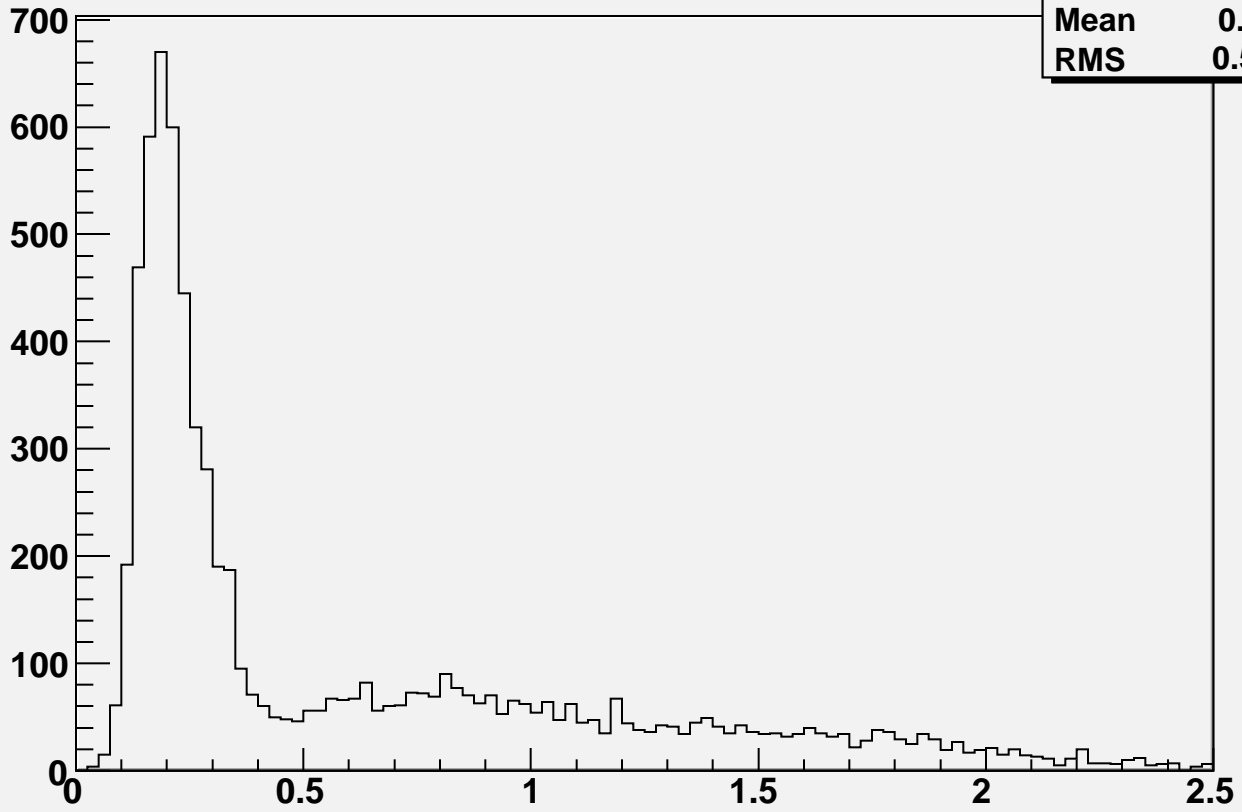


h2	
Entries	33846
Mean	0.5653
RMS	0.4711

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

h1

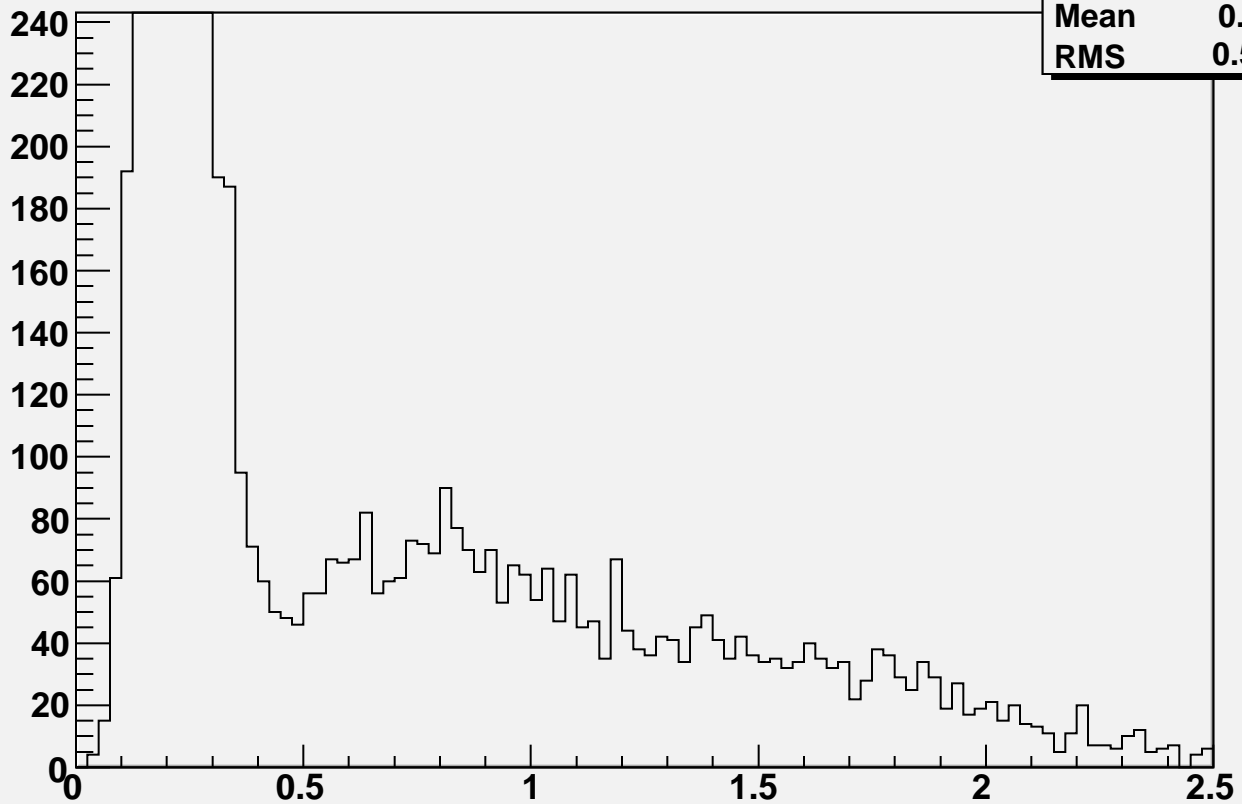
Entries	7440
Mean	0.6161
RMS	0.5642



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

h2

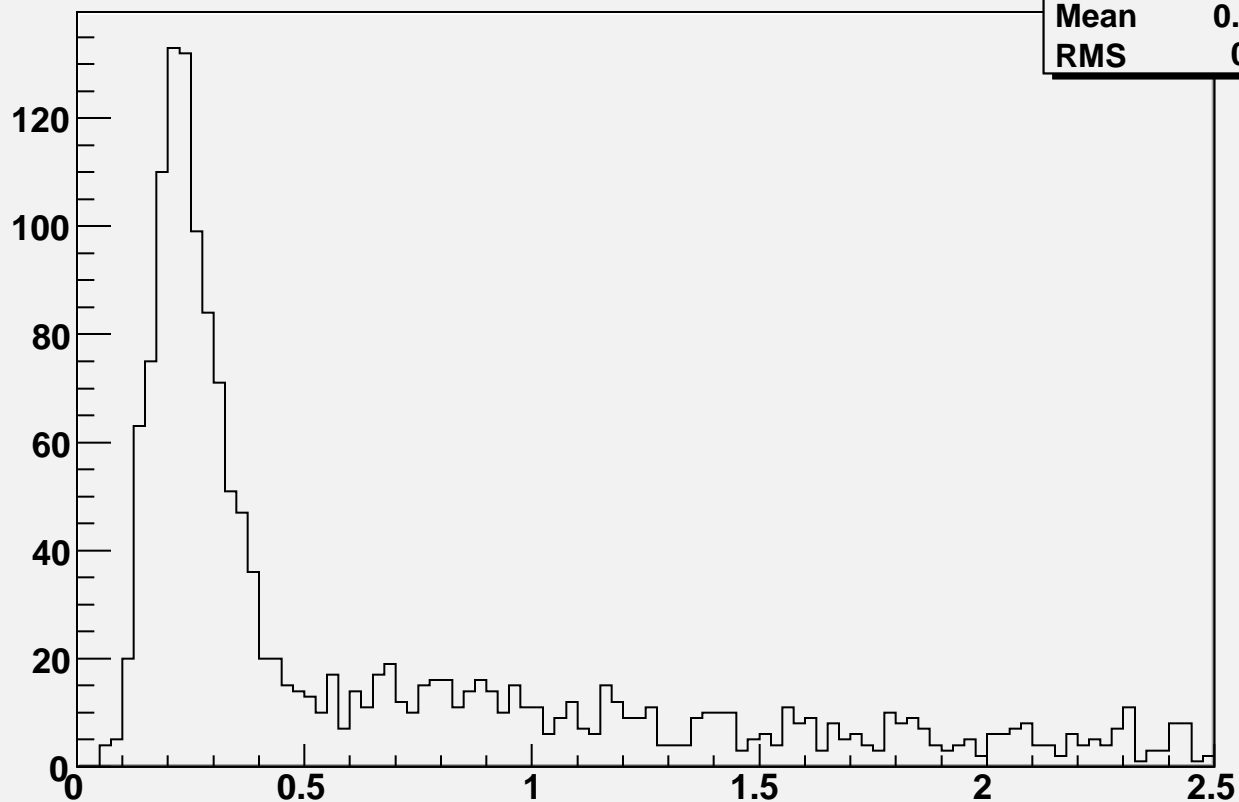
Entries	7440
Mean	0.6161
RMS	0.5642



$N_{12} = 2 \cdot Z < 0.7 \cdot \text{abs}(E_{12} - 60.000000) < 5 \cdot \text{abs}(\text{Eta} - 3.300000) < 0.05$

h1

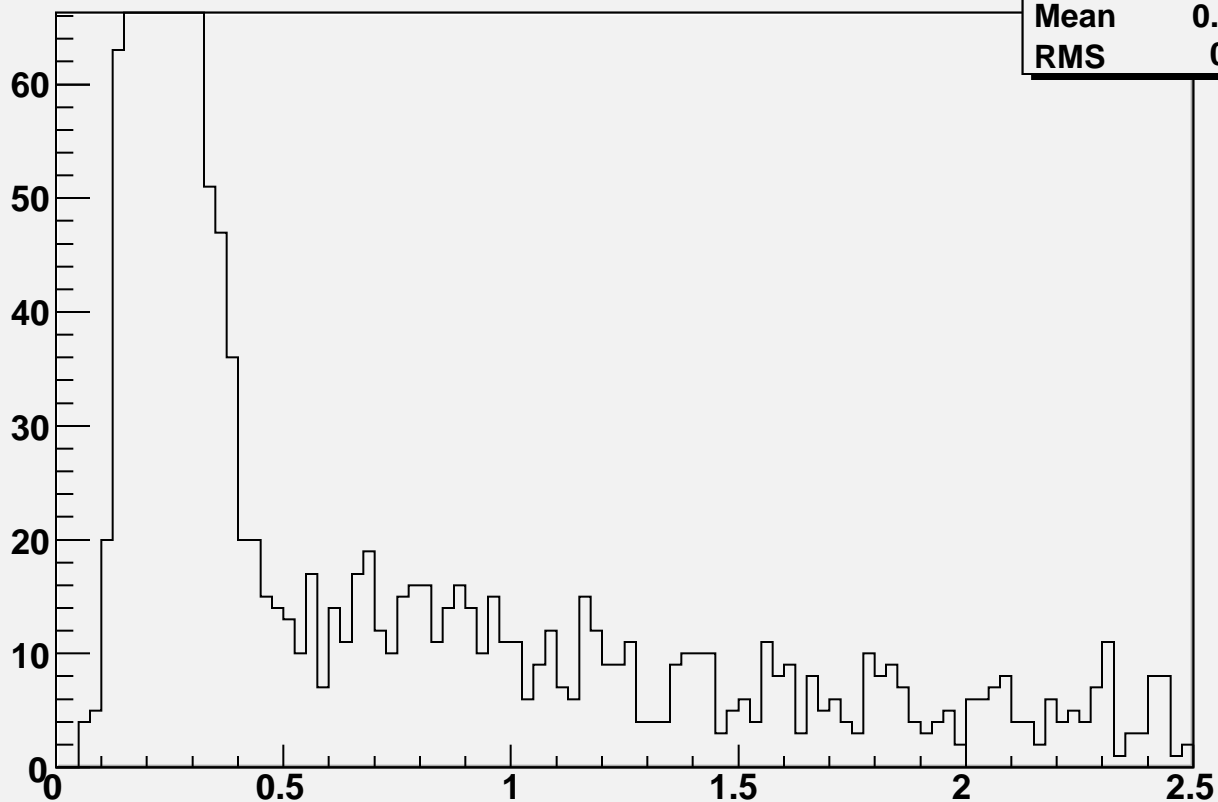
Entries	1681
Mean	0.6593
RMS	0.614



$N_{12} = 2 \cdot Z < 0.7 \cdot \text{abs}(E_{12} - 60.000000) < 5 \cdot \text{abs}(\text{Eta} - 3.300000) < 0.05$

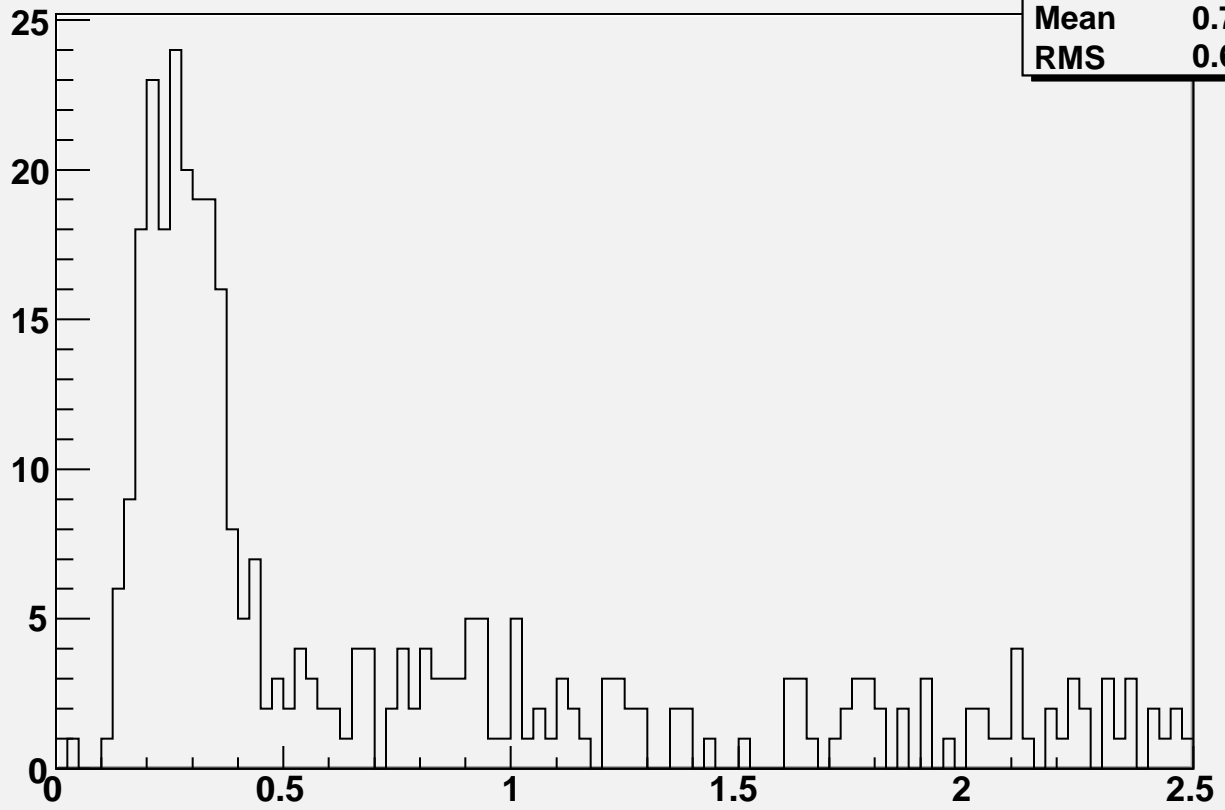
h2

Entries	1681
Mean	0.6593
RMS	0.614



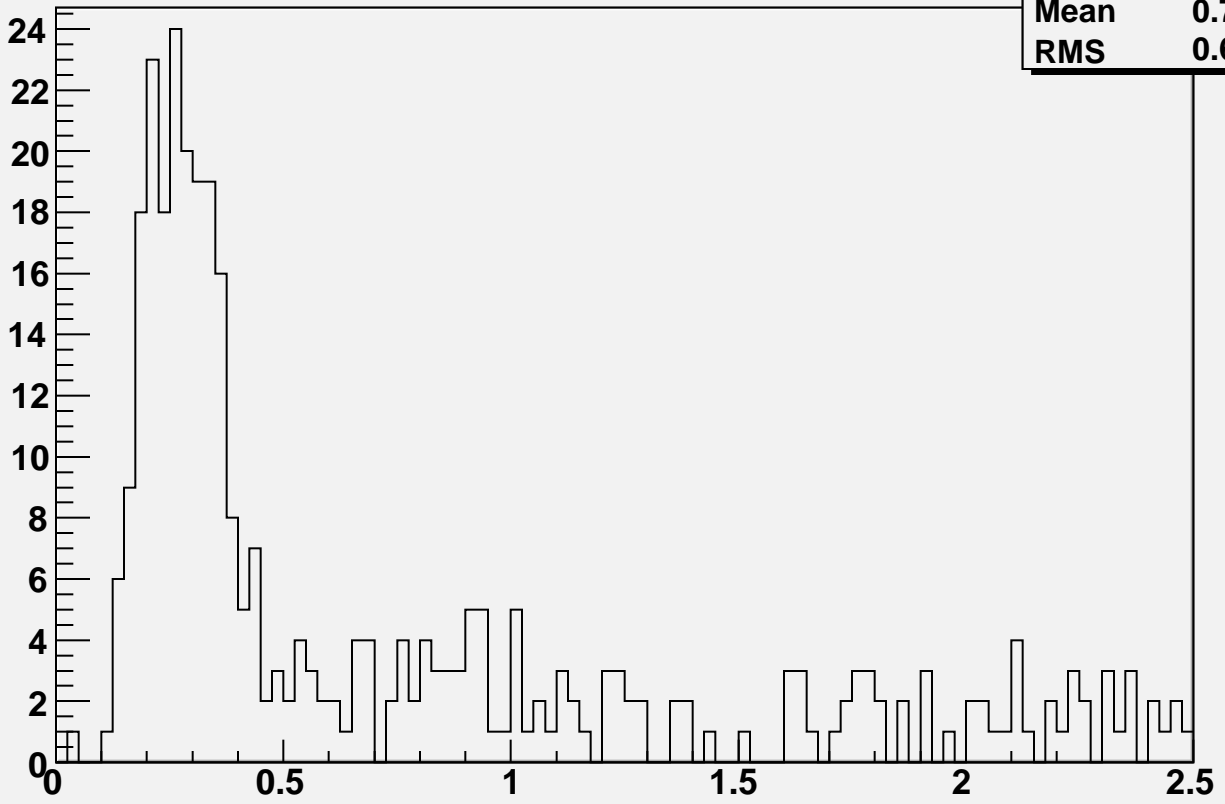
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 70.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.300000) < .05$

h1	
Entries	354
Mean	0.7286
RMS	0.6623

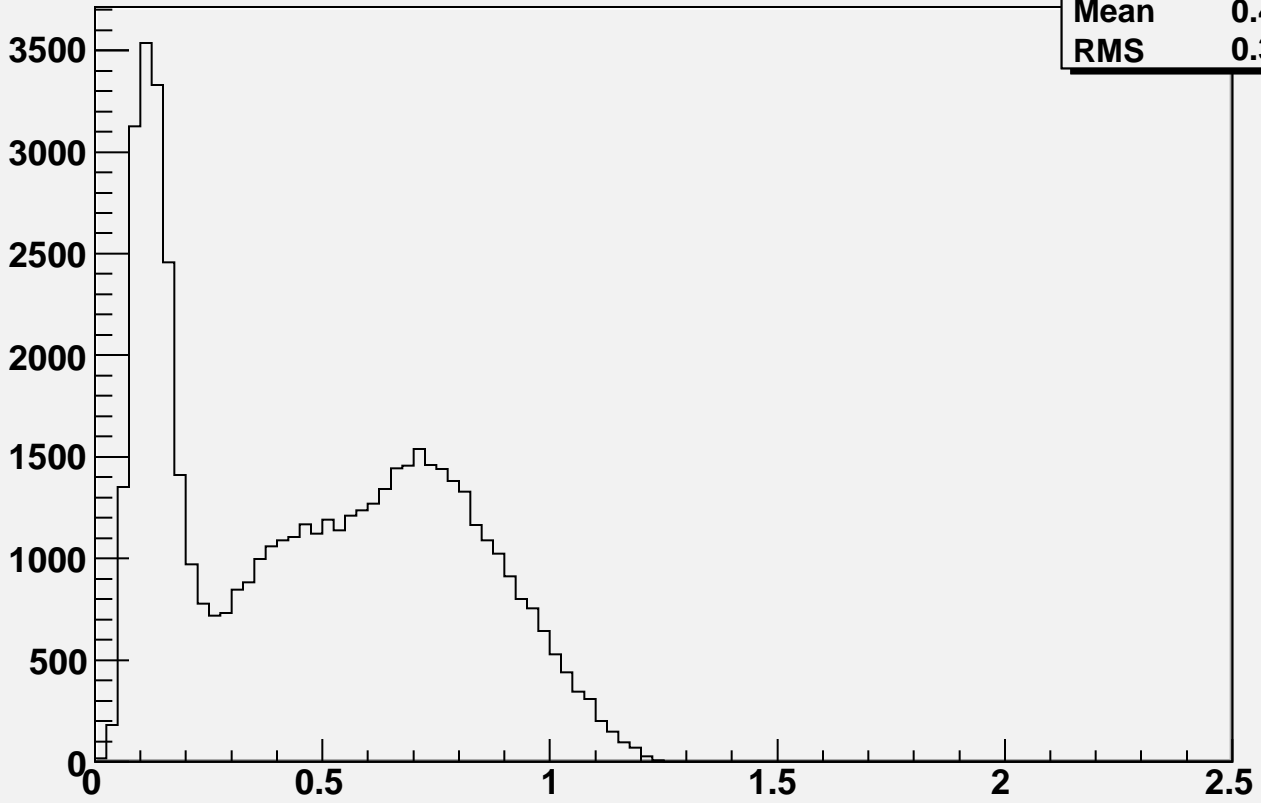


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 70.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.300000) < .05$

h2	
Entries	354
Mean	0.7286
RMS	0.6623

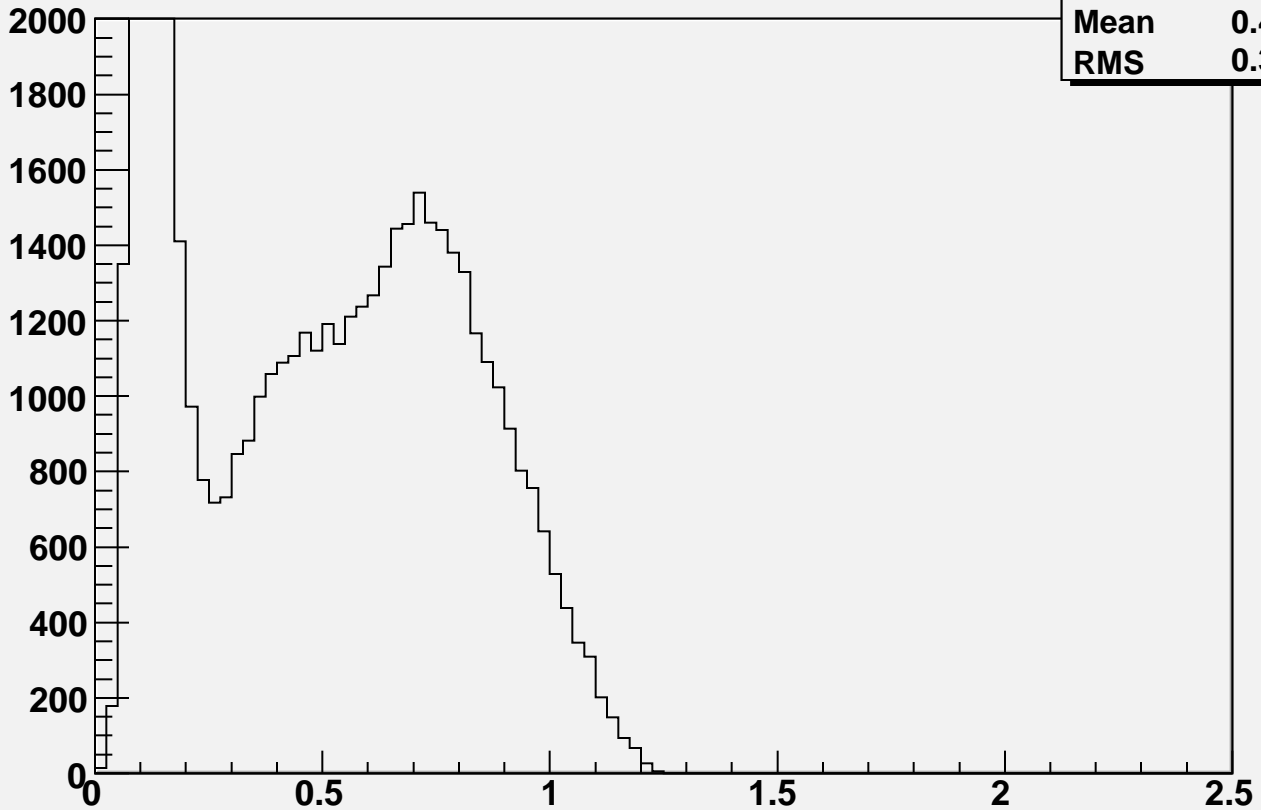


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.200000) < .05$



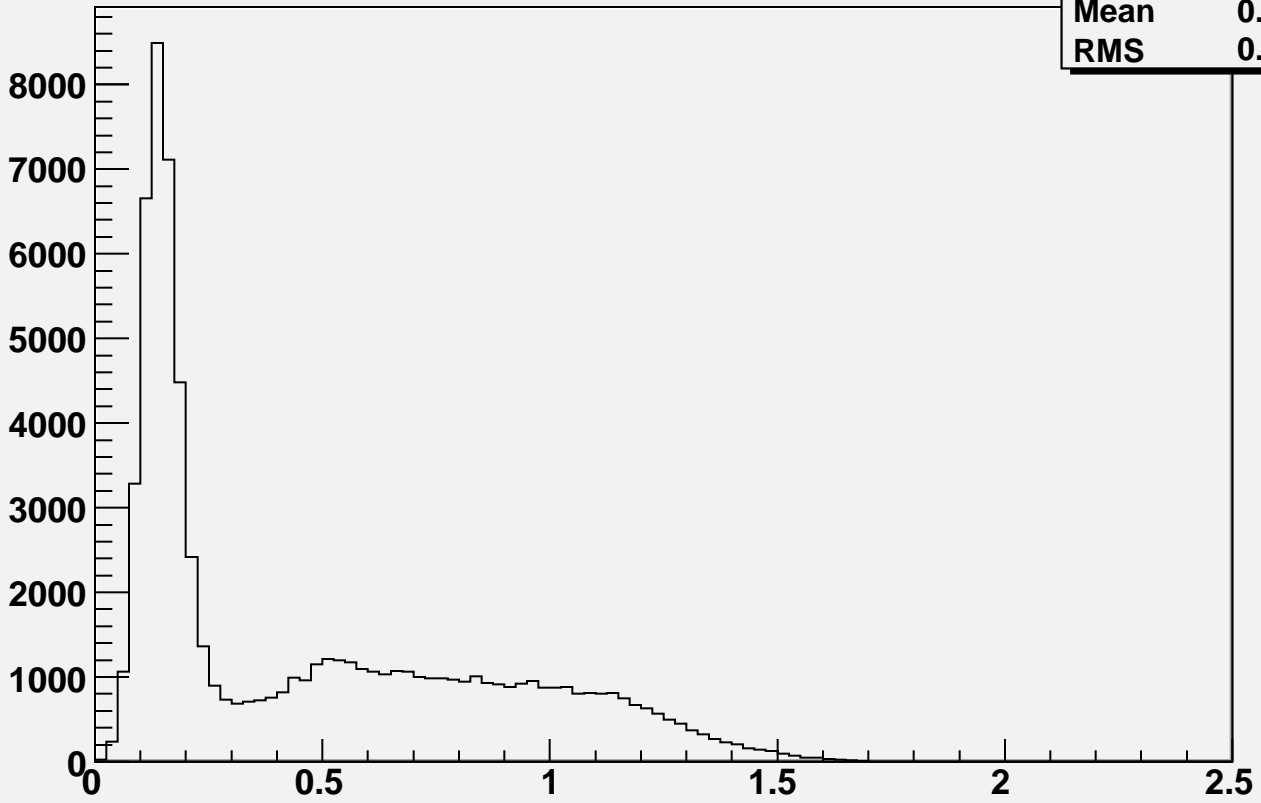
h1	
Entries	52869
Mean	0.4876
RMS	0.3049

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



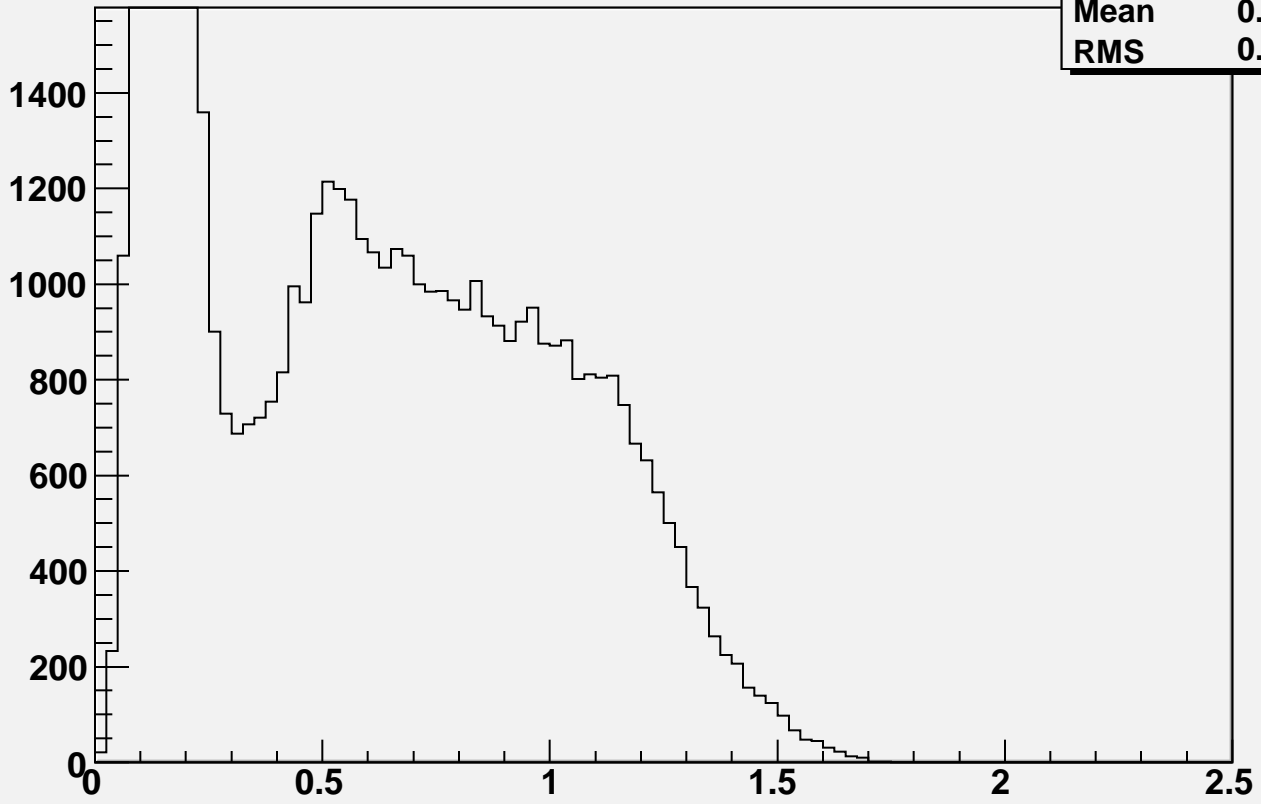
h2	
Entries	52869
Mean	0.4876
RMS	0.3049

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



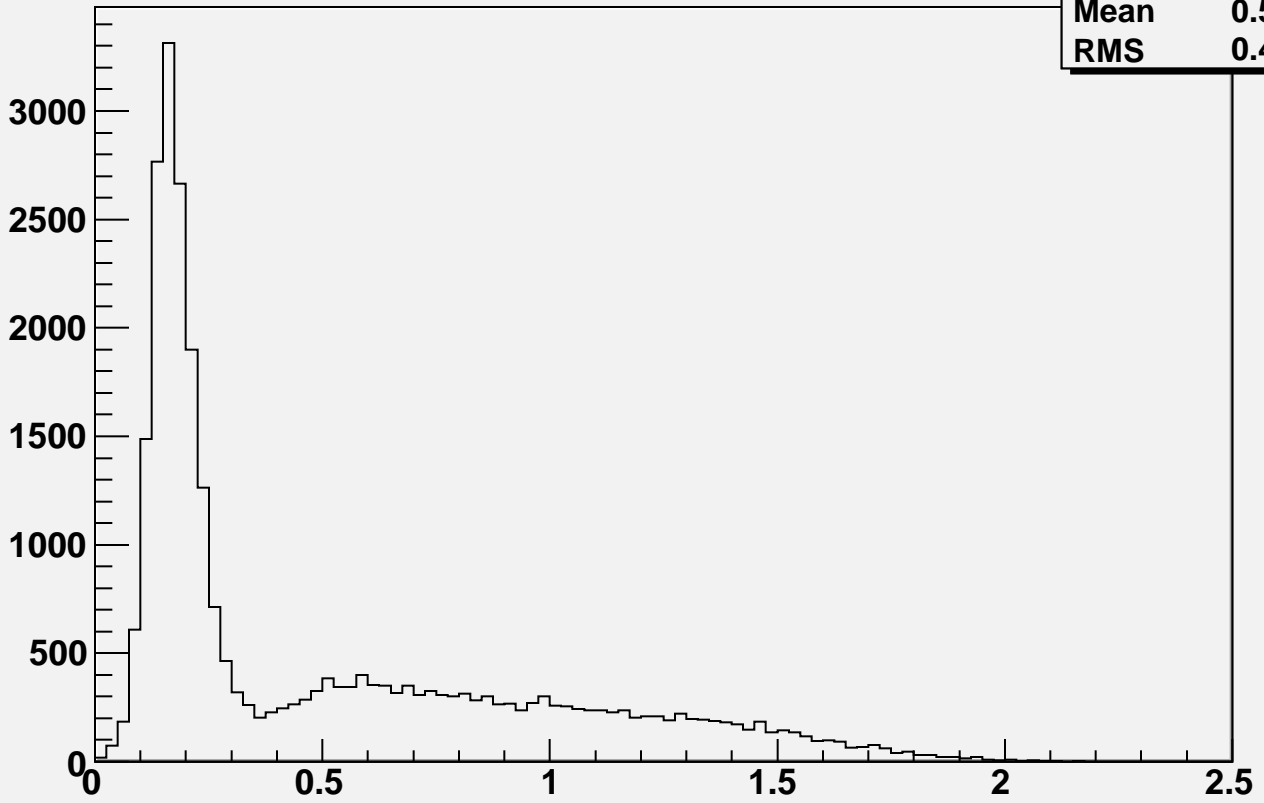
h1	
Entries	74505
Mean	0.4831
RMS	0.3921

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



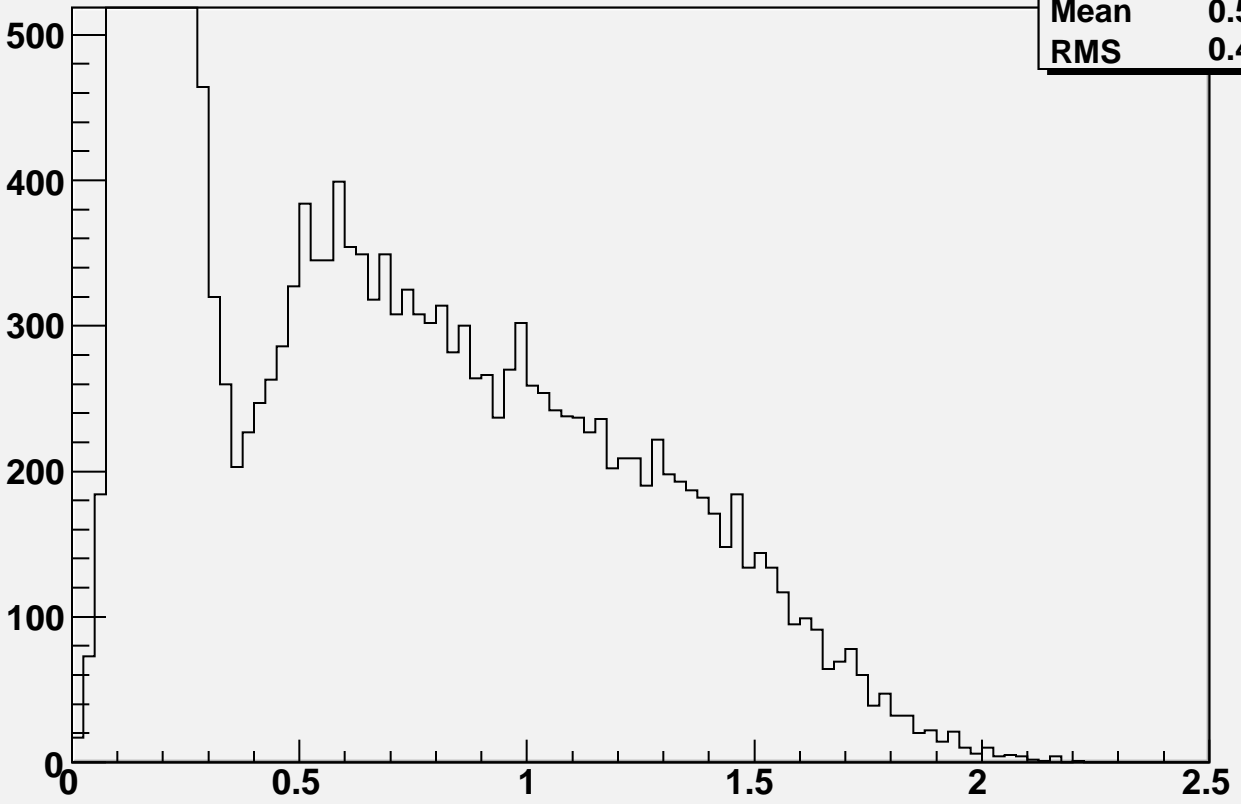
h2	
Entries	74505
Mean	0.4831
RMS	0.3921

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



h1	
Entries	29254
Mean	0.5222
RMS	0.4577

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

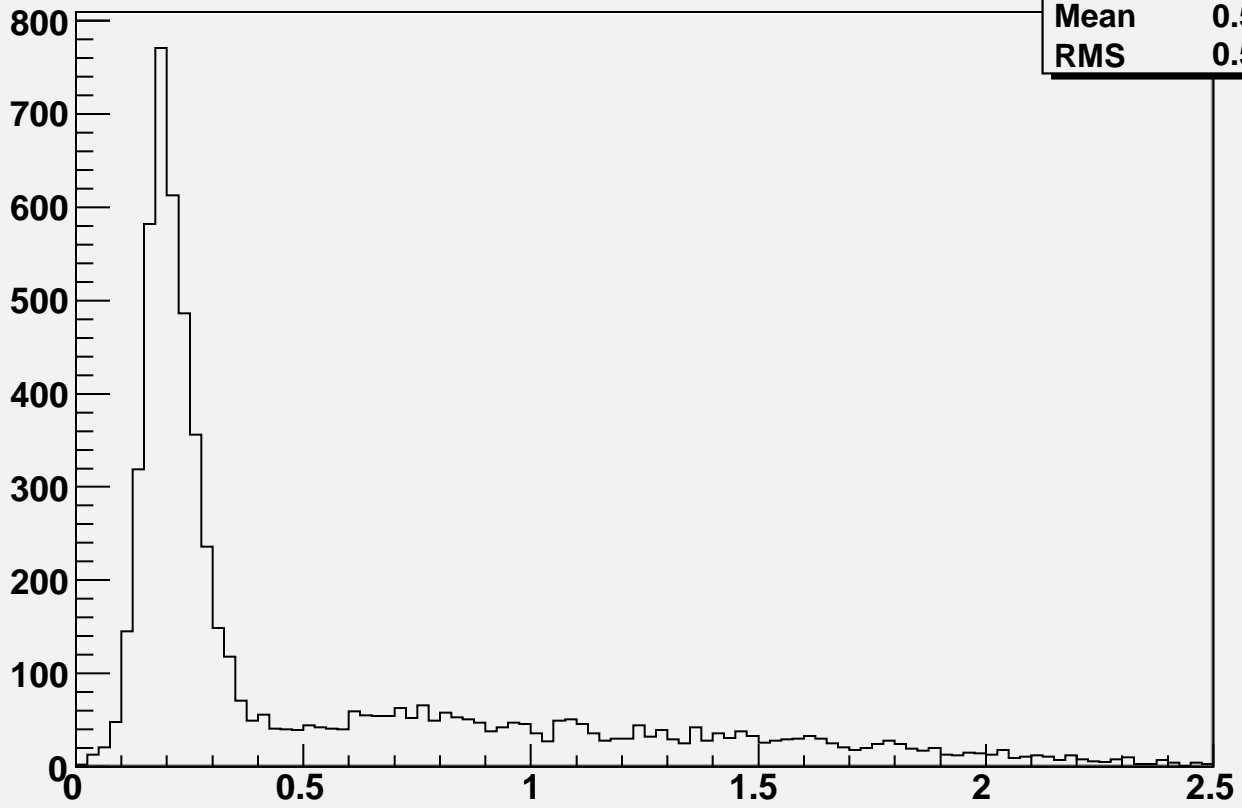


h2	
Entries	29254
Mean	0.5222
RMS	0.4577

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

h1

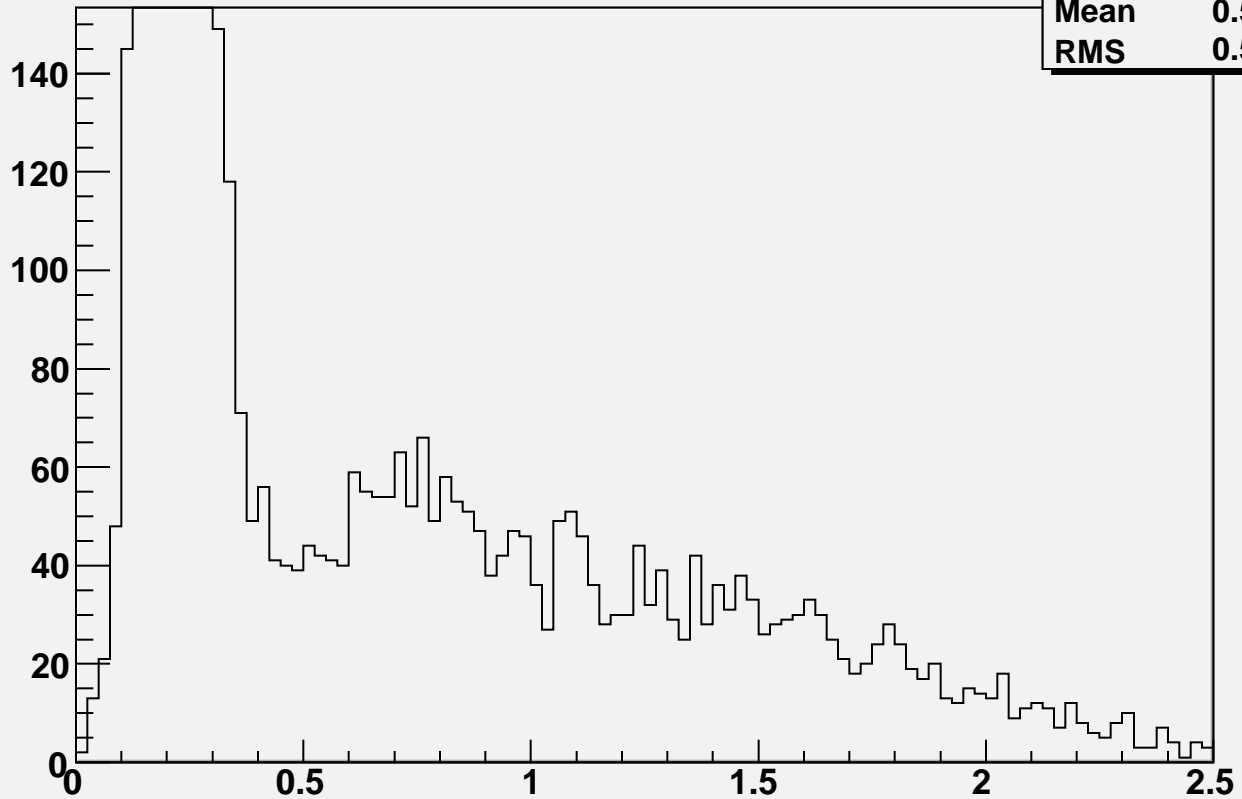
Entries	6475
Mean	0.5656
RMS	0.5444



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

h2

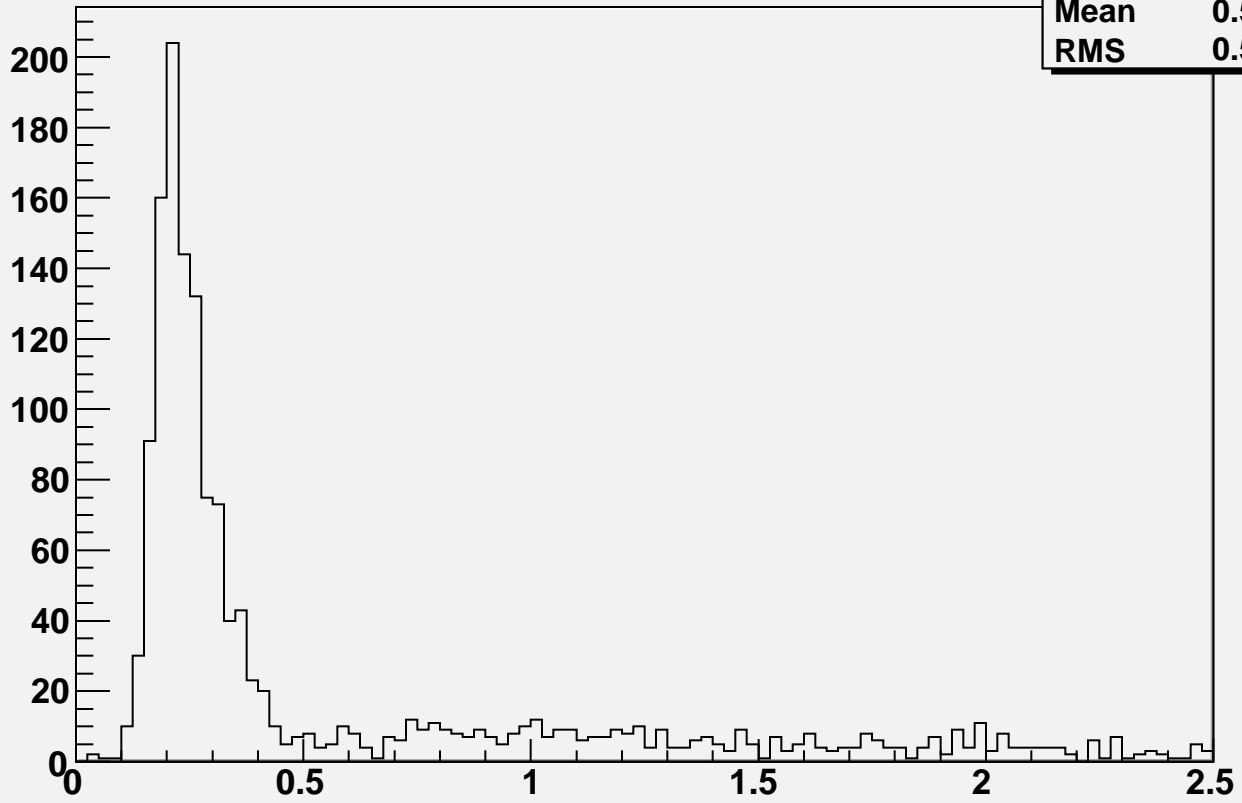
Entries	6475
Mean	0.5656
RMS	0.5444



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

h1

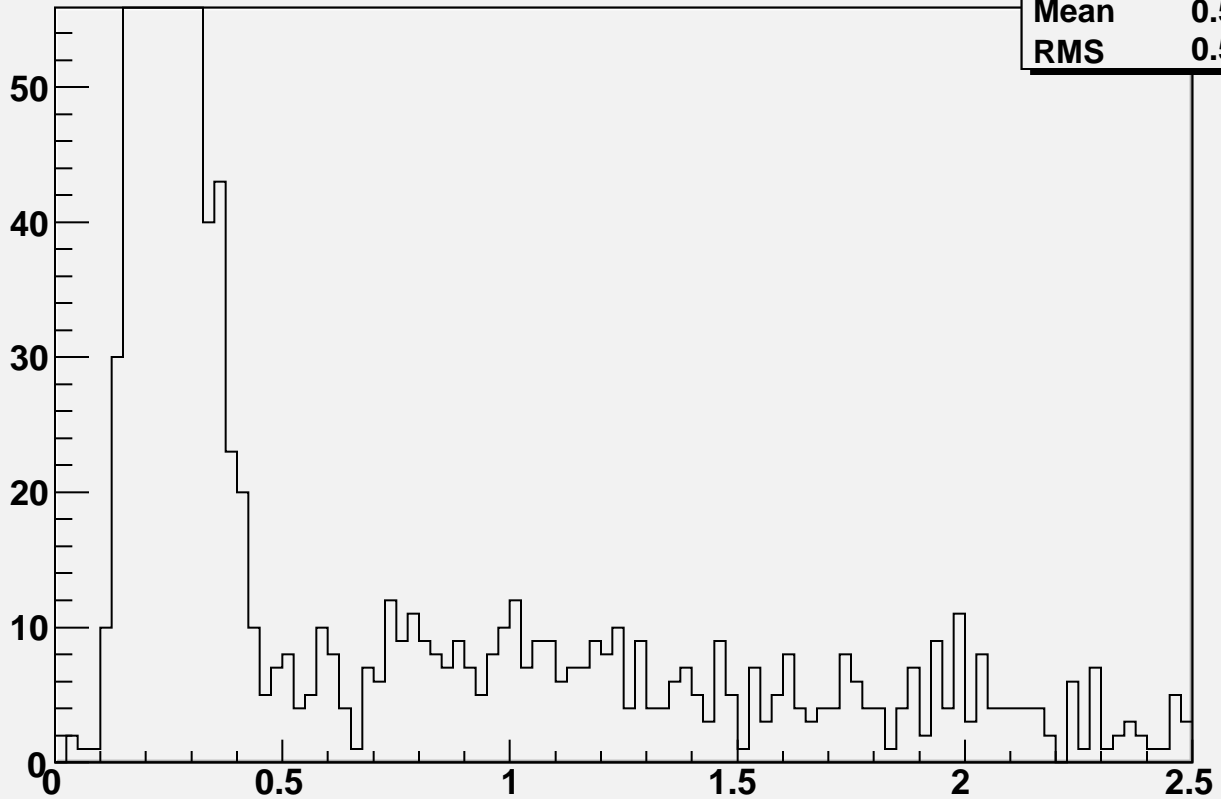
Entries	1543
Mean	0.5694
RMS	0.5798



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

h2

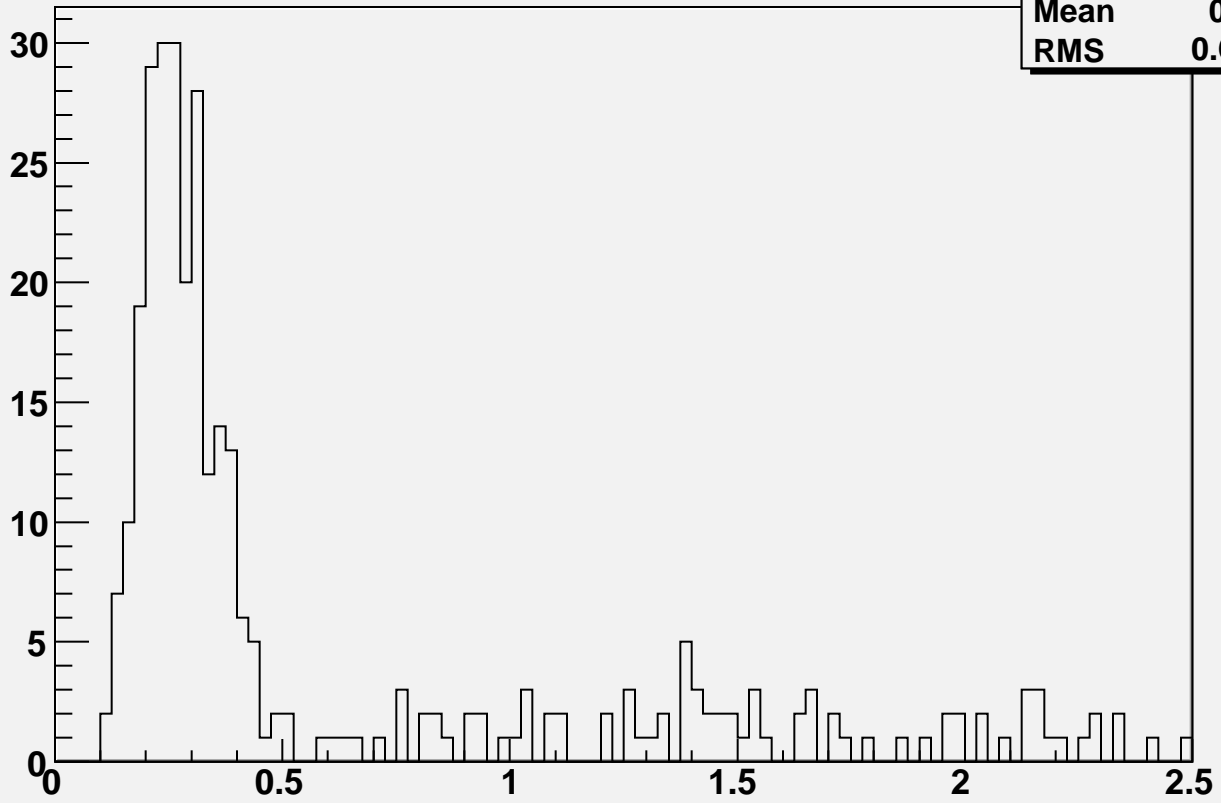
Entries	1543
Mean	0.5694
RMS	0.5798



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

h1

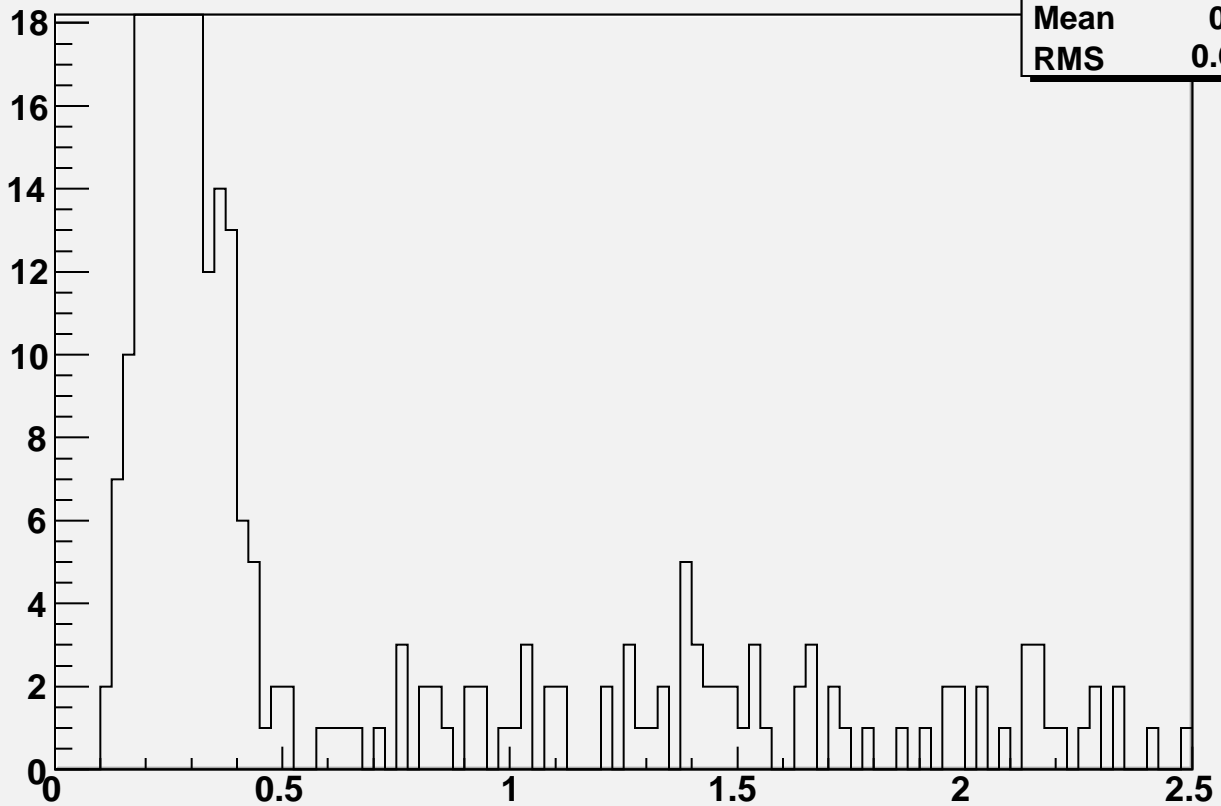
Entries	348
Mean	0.607
RMS	0.6035



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

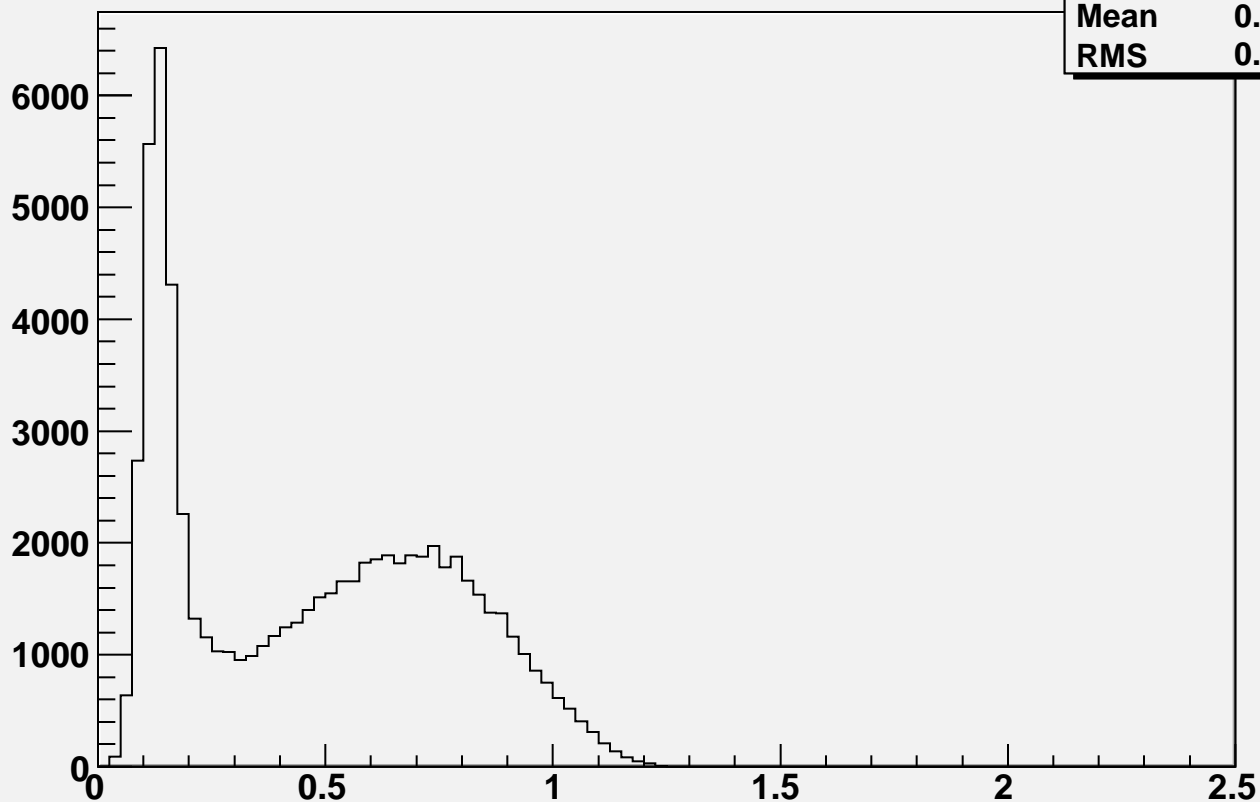
h2

Entries	348
Mean	0.607
RMS	0.6035



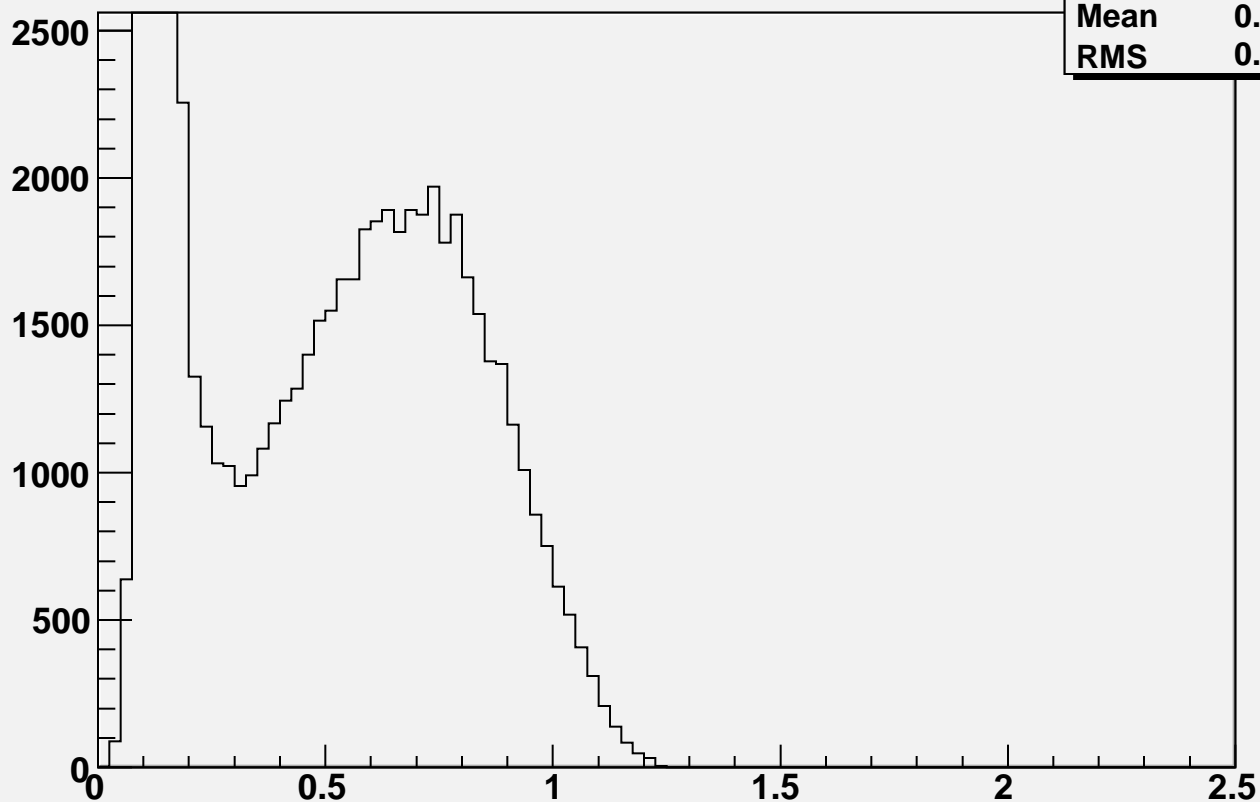
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.100000) < .05$

h1	
Entries	69920
Mean	0.4756
RMS	0.2992

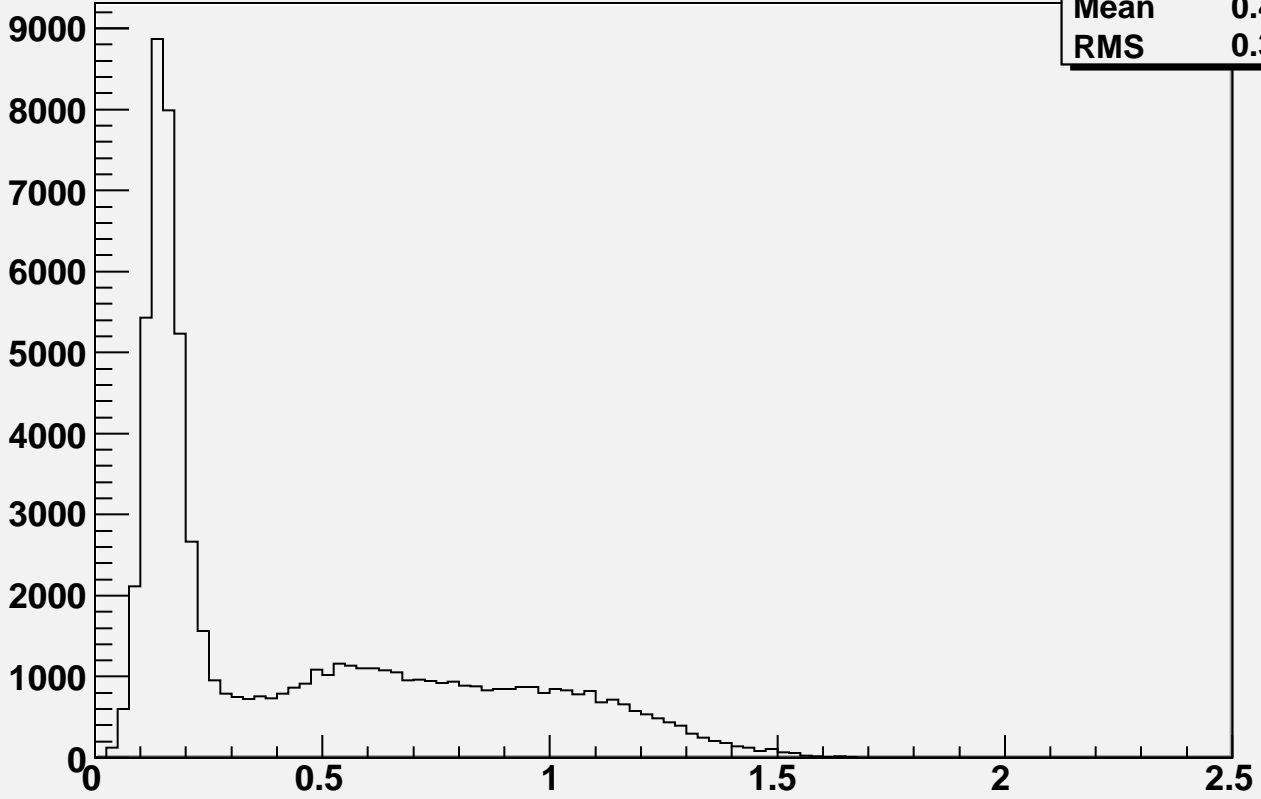


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5. \&\& \text{abs}(\text{Eta} - 3.100000) < .05$

h2	
Entries	69920
Mean	0.4756
RMS	0.2992

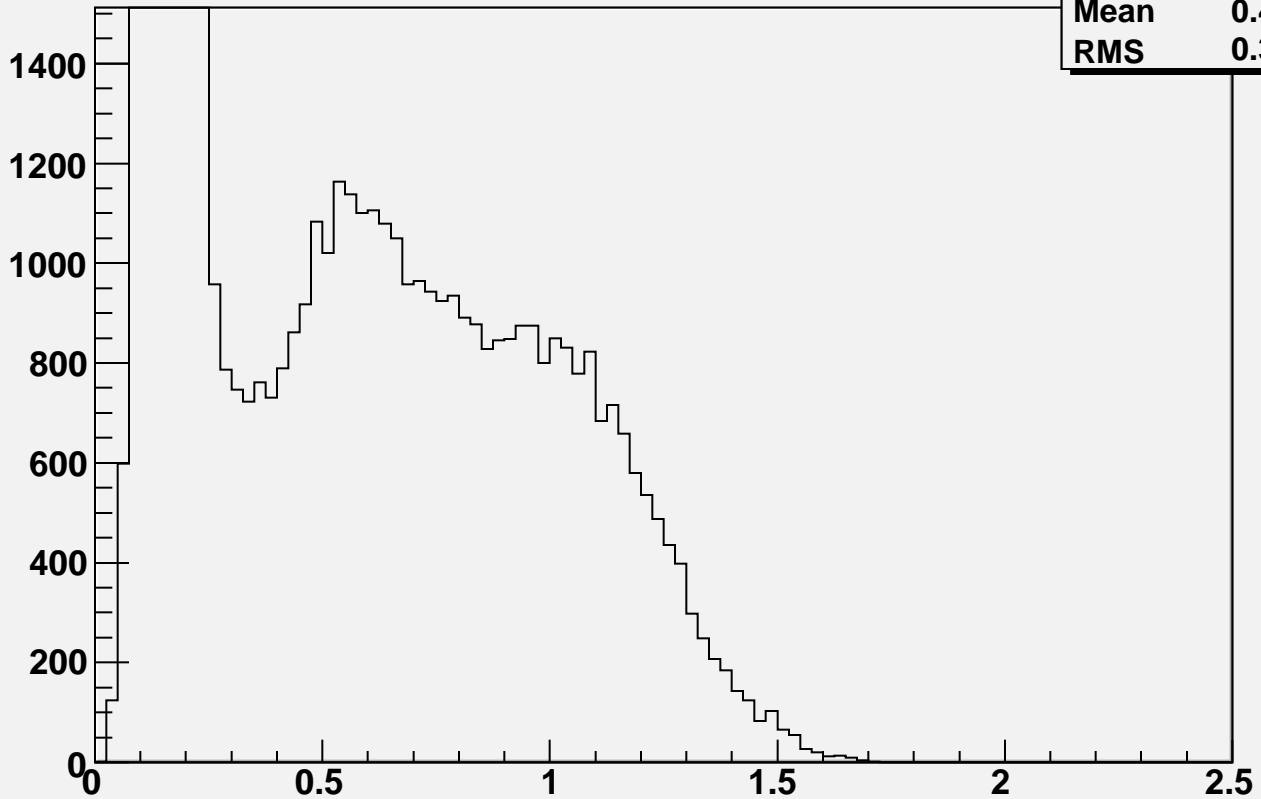


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 30.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.100000) < .05$



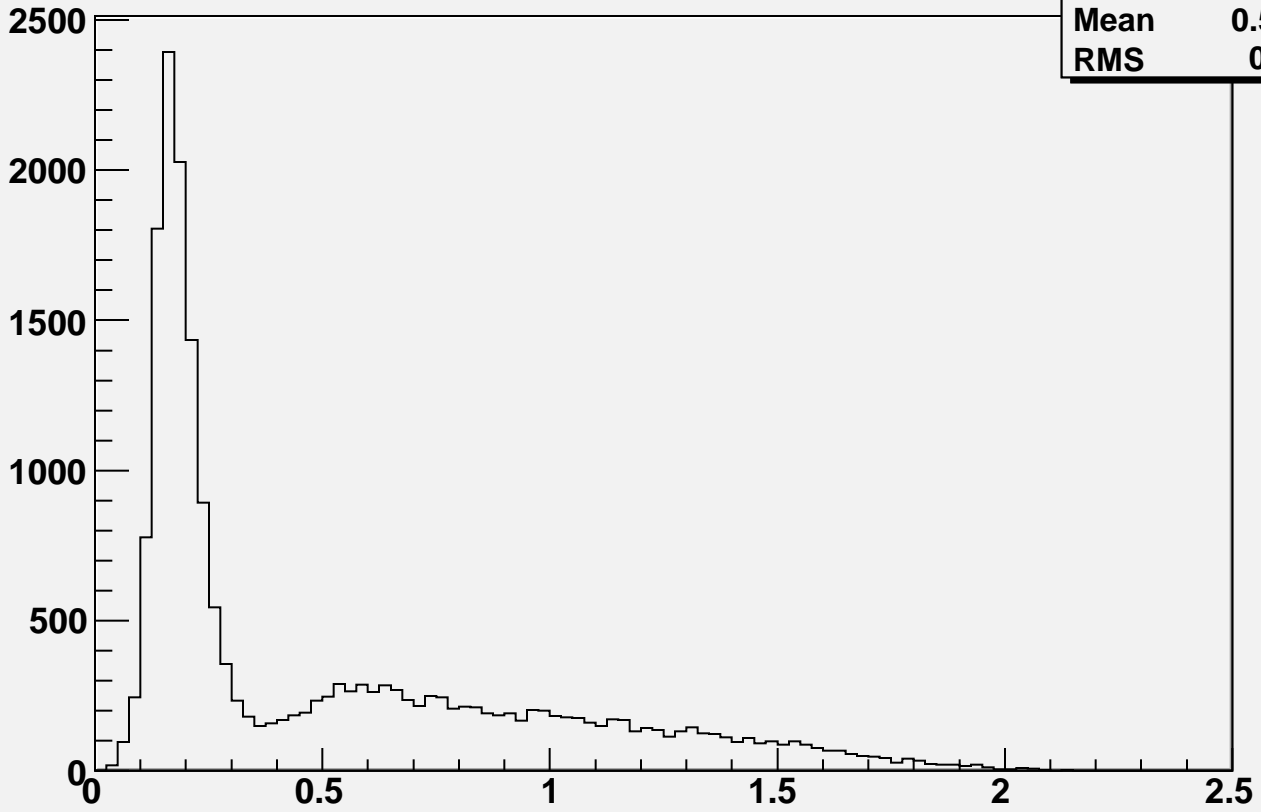
h1	
Entries	71547
Mean	0.4696
RMS	0.3783

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



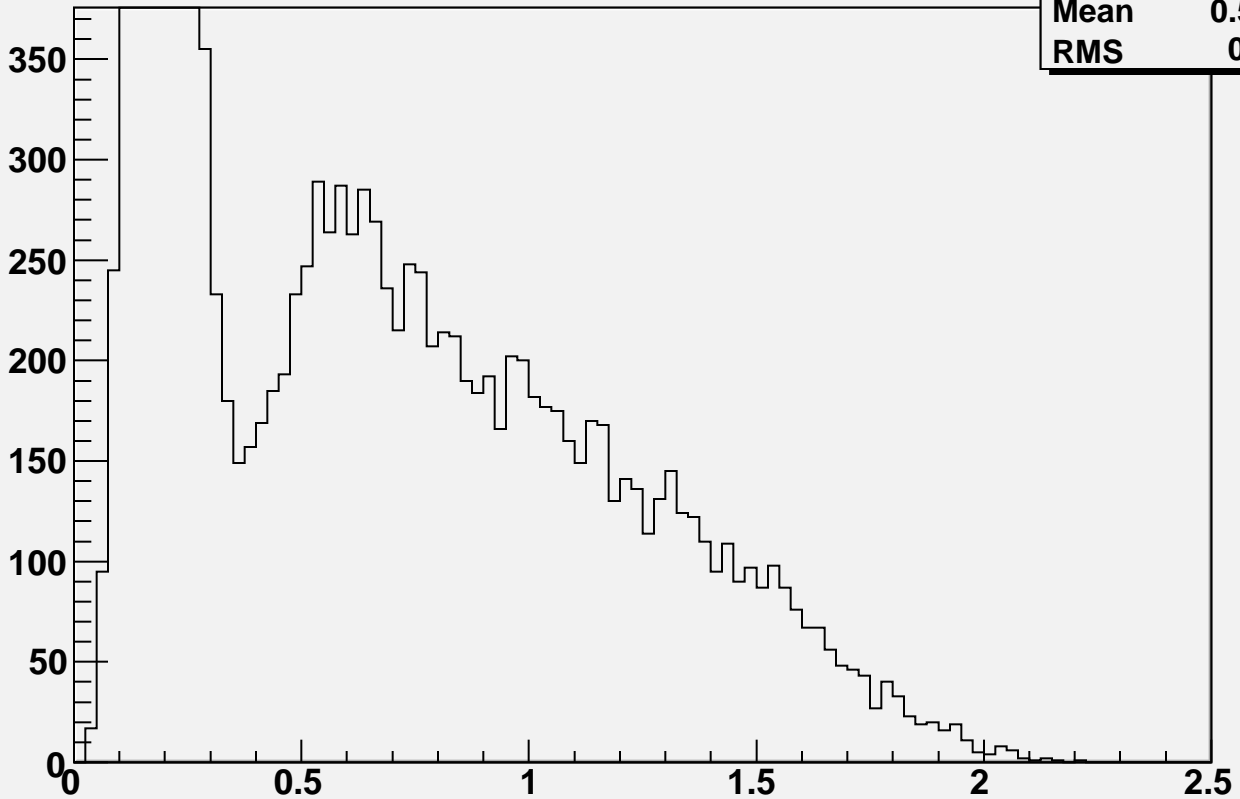
h2	
Entries	71547
Mean	0.4696
RMS	0.3783

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



h1	
Entries	20339
Mean	0.5272
RMS	0.455

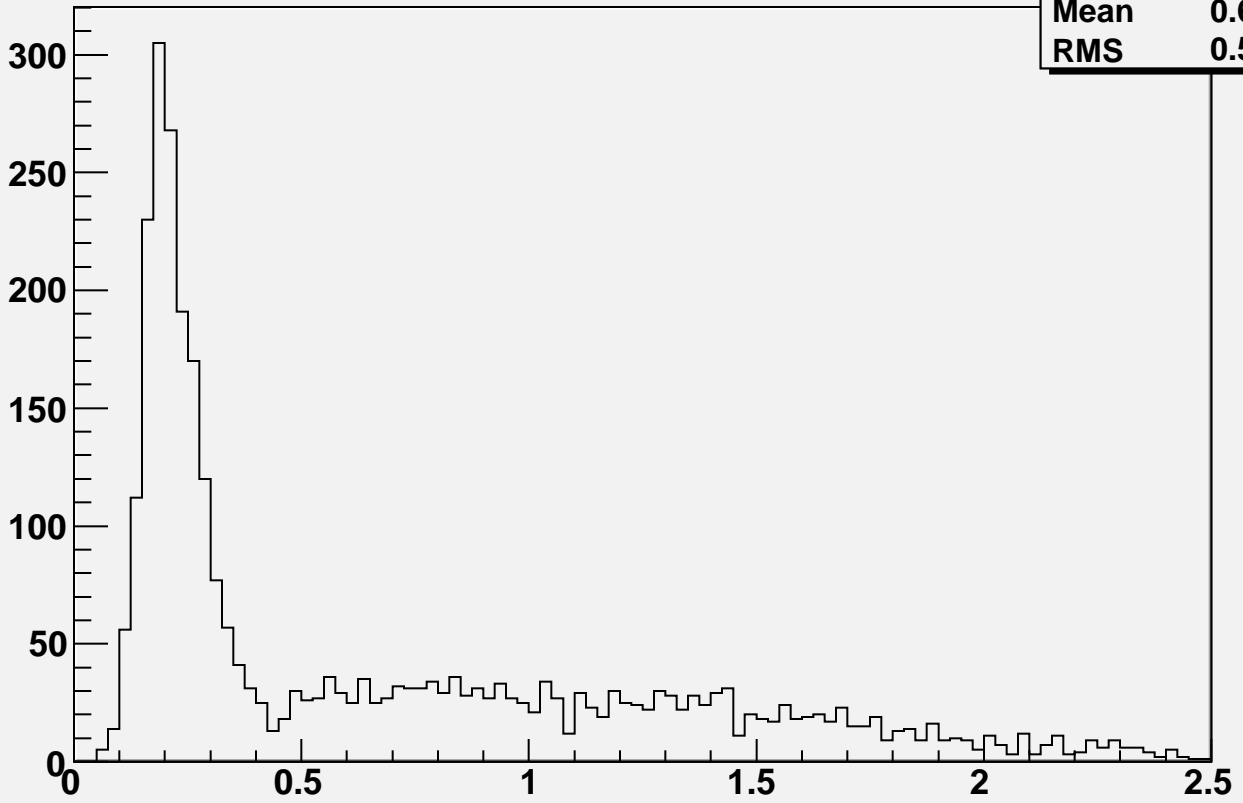
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.100000) < .05$



h2	
Entries	20339
Mean	0.5272
RMS	0.455

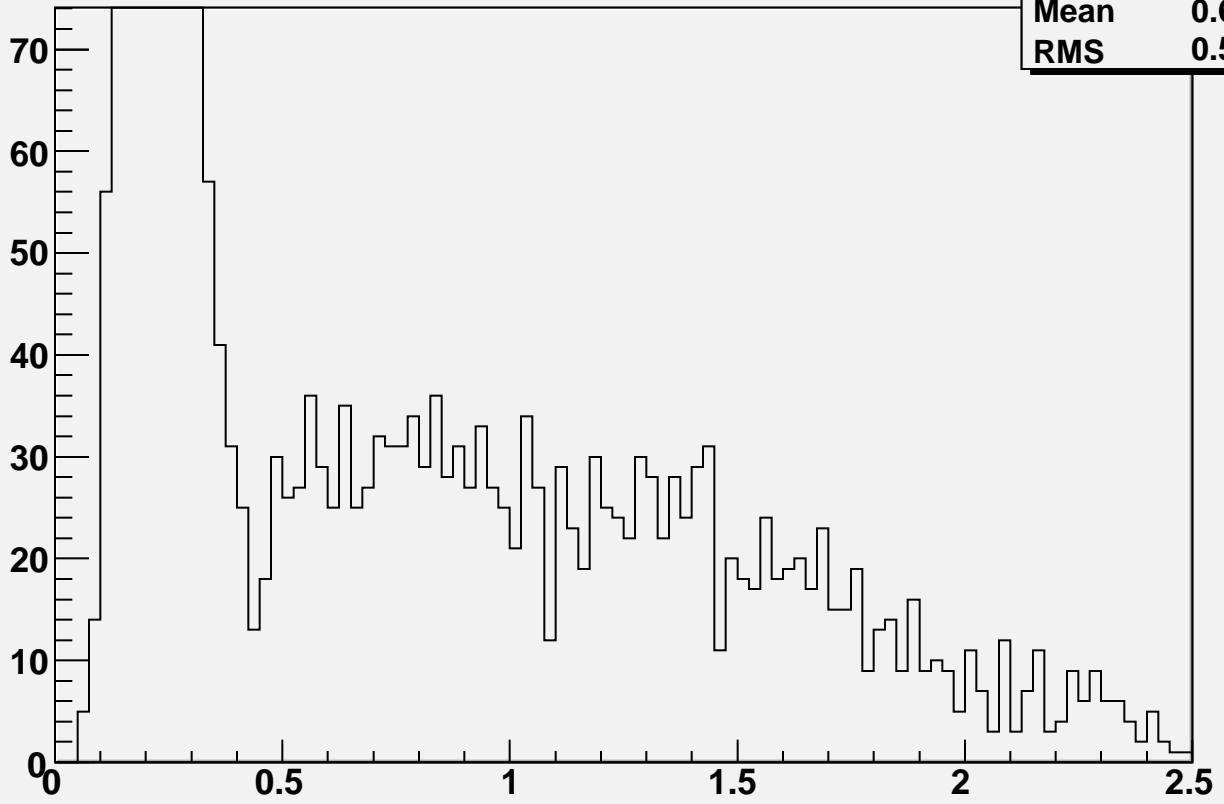
$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 50.000000) < 5. \text{ \& \&abs}(\text{Eta} - 3.100000) < .05$

h1	
Entries	3263
Mean	0.6819
RMS	0.5896



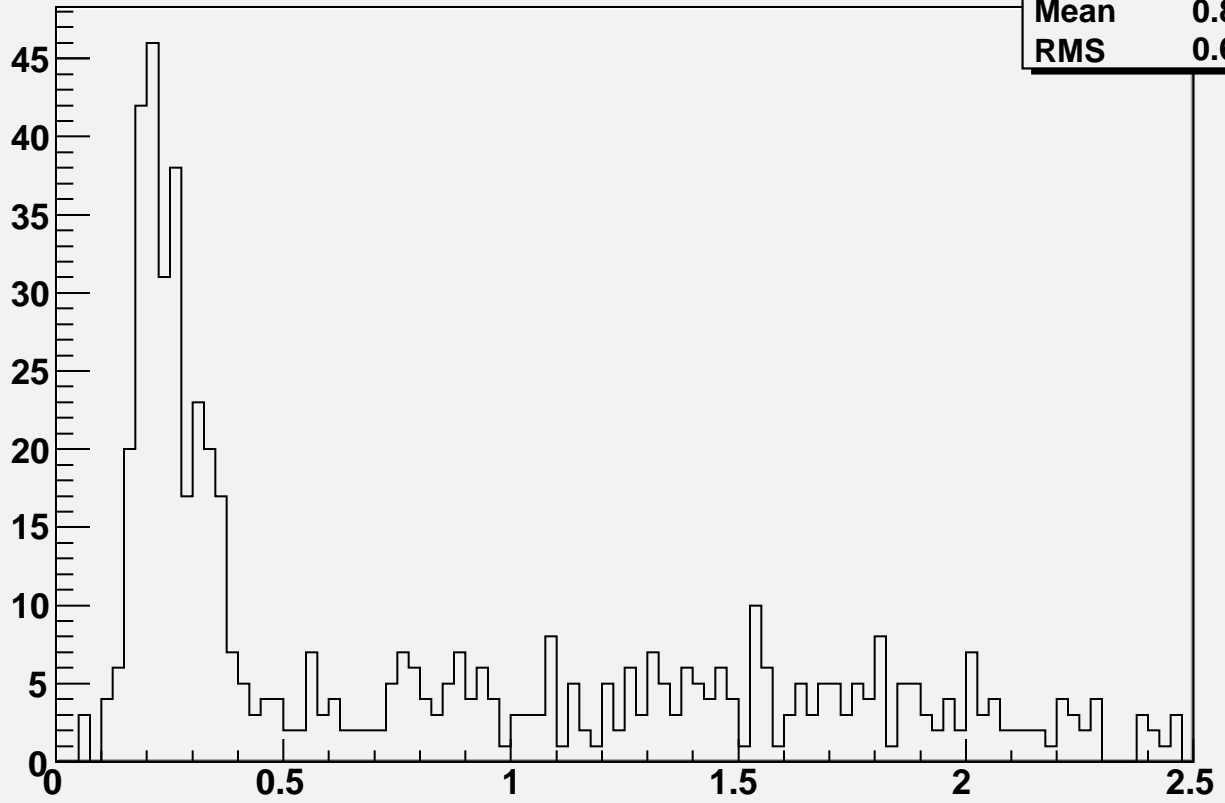
$N_{12} = 2 \text{ \&Z} < .7 \text{ \& \&abs}(E_{12} - 50.000000) < 5. \text{ \& \&abs}(\text{Eta} - 3.100000) < .05$

h2	
Entries	3263
Mean	0.6819
RMS	0.5896



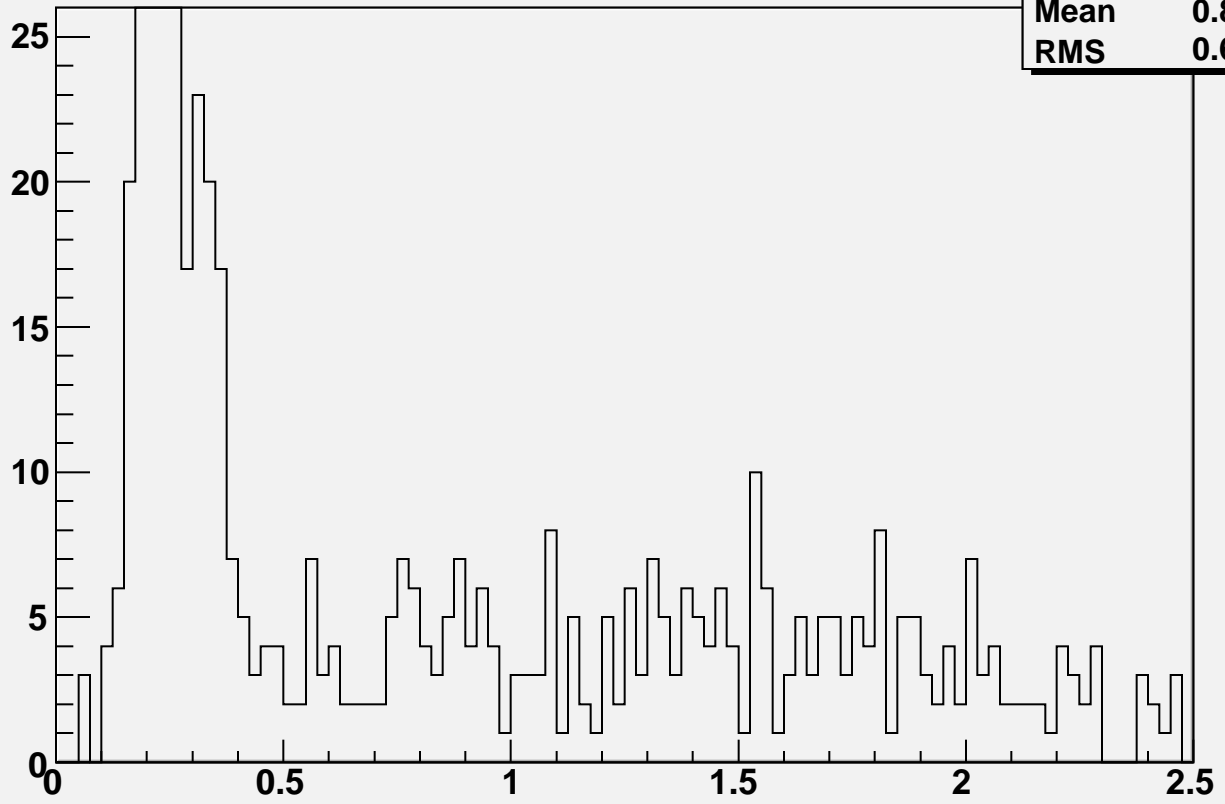
$N_{12} = 2 \text{ \&Z} < .7 \text{ \&\&abs}(E_{12} - 60.000000) < 5. \text{ \&\&abs}(\text{Eta} - 3.100000) < .05$

h1	
Entries	602
Mean	0.8293
RMS	0.6827



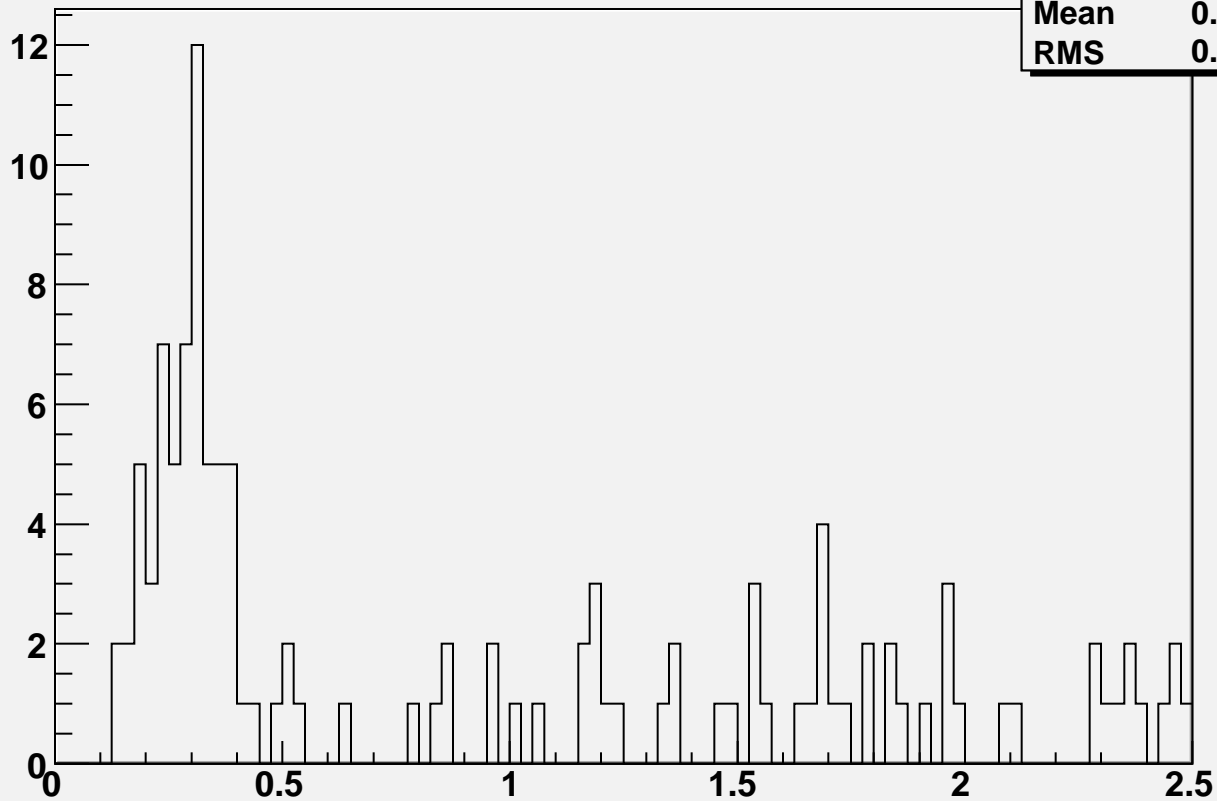
$N_{12} = 2 \text{ \&Z} < .7 \text{ \&\&abs}(E_{12} - 60.000000) < 5. \text{ \&\&abs}(\text{Eta} - 3.100000) < .05$

h2	
Entries	602
Mean	0.8293
RMS	0.6827



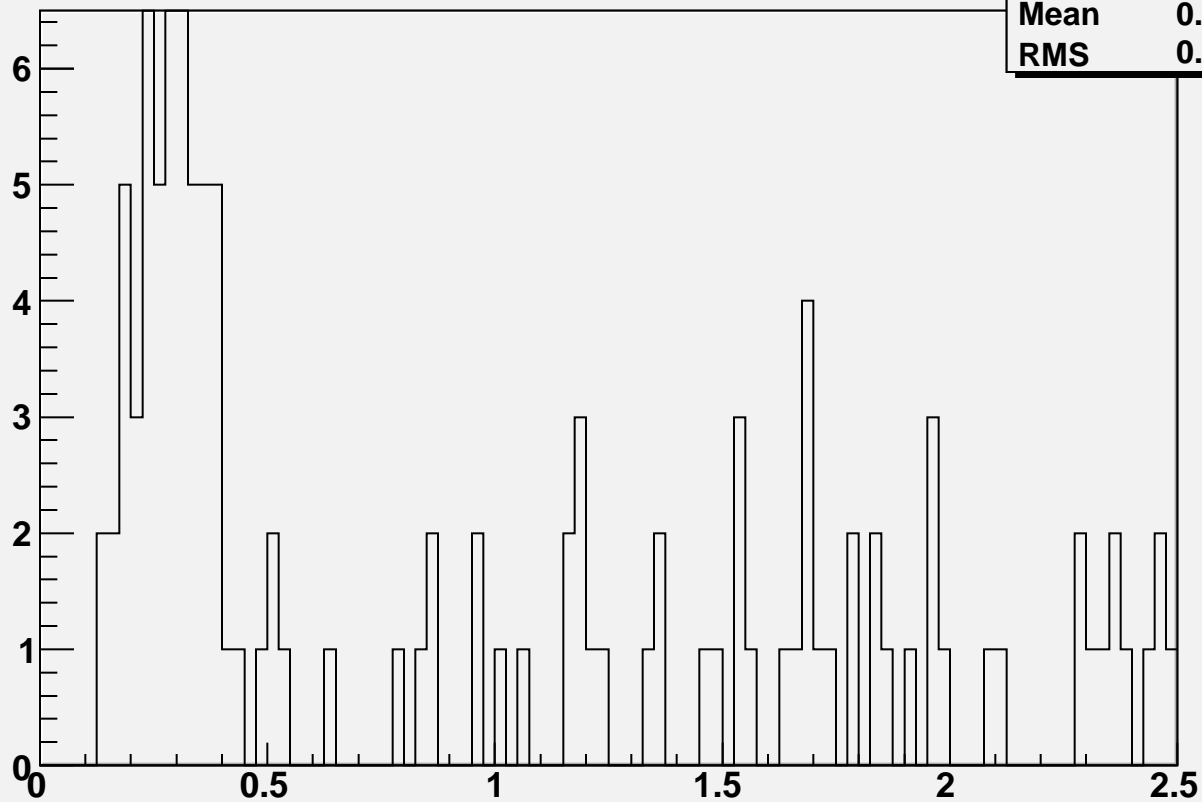
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 70.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.100000) < .05$

h1	
Entries	136
Mean	0.9284
RMS	0.7574



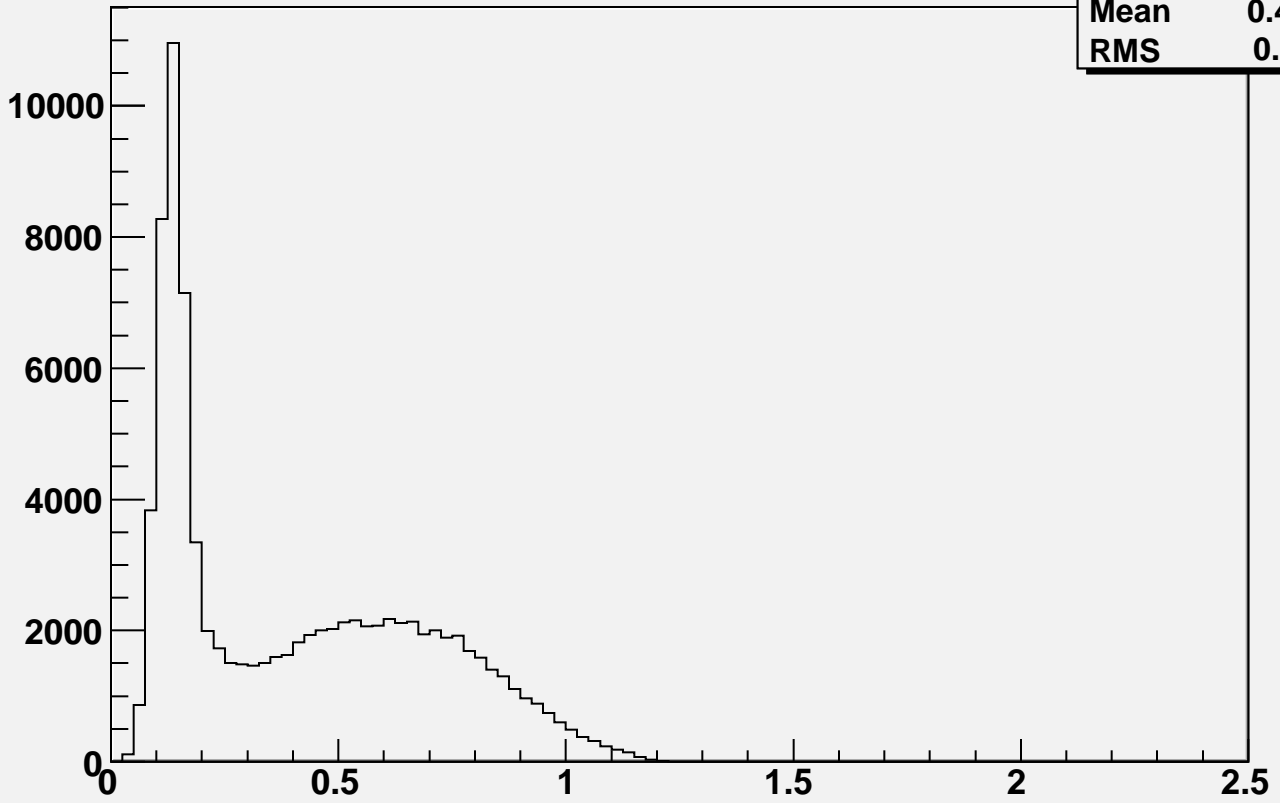
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 70.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 3.100000) < .05$

h2	
Entries	136
Mean	0.9284
RMS	0.7574



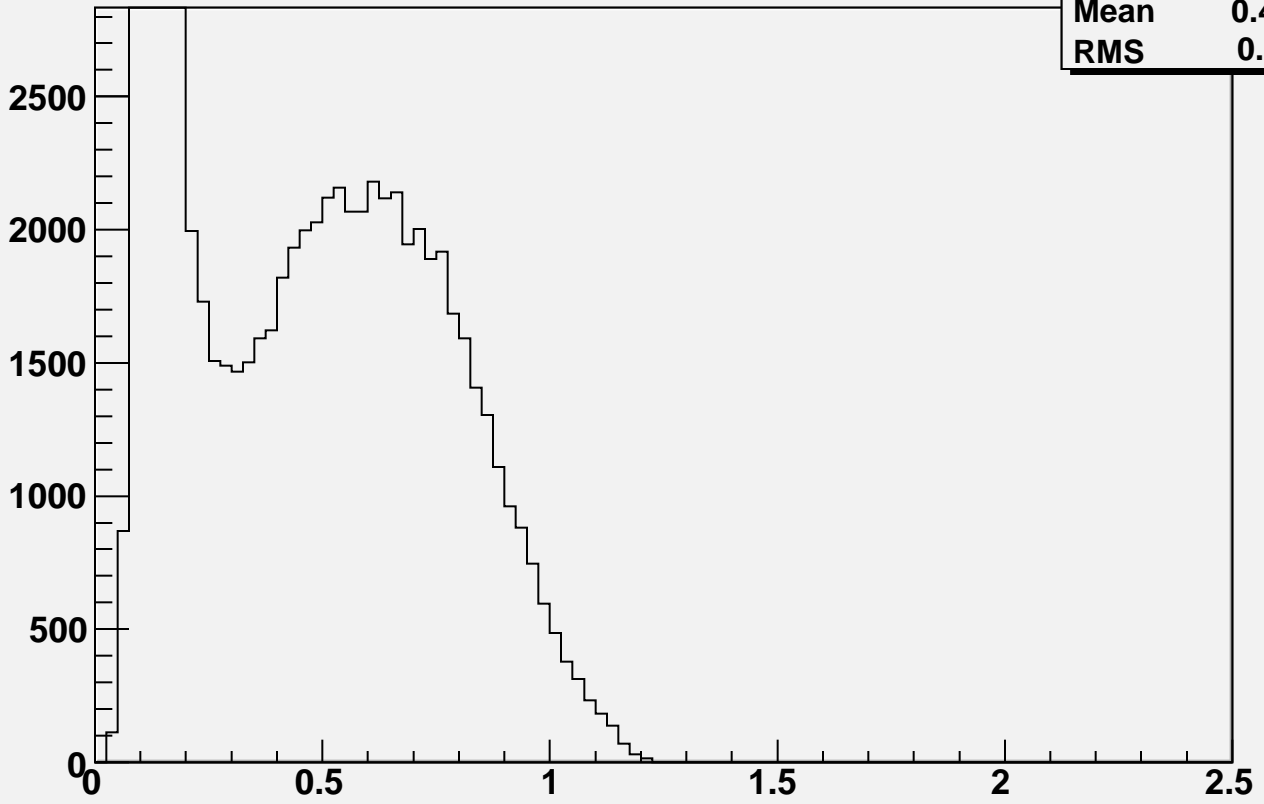
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.000000) < .05$

h1	
Entries	89958
Mean	0.4134
RMS	0.2821

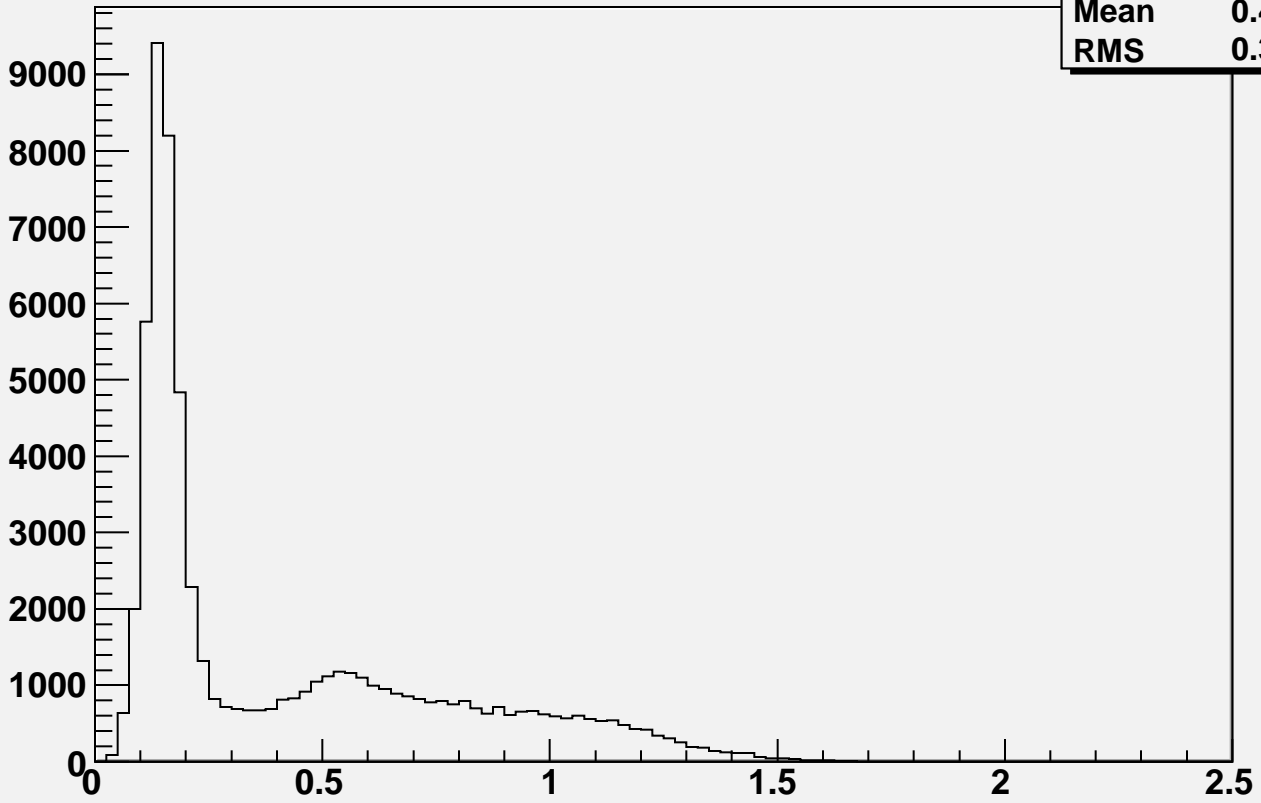


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 20.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.000000) < .05$

h2	
Entries	89958
Mean	0.4134
RMS	0.2821

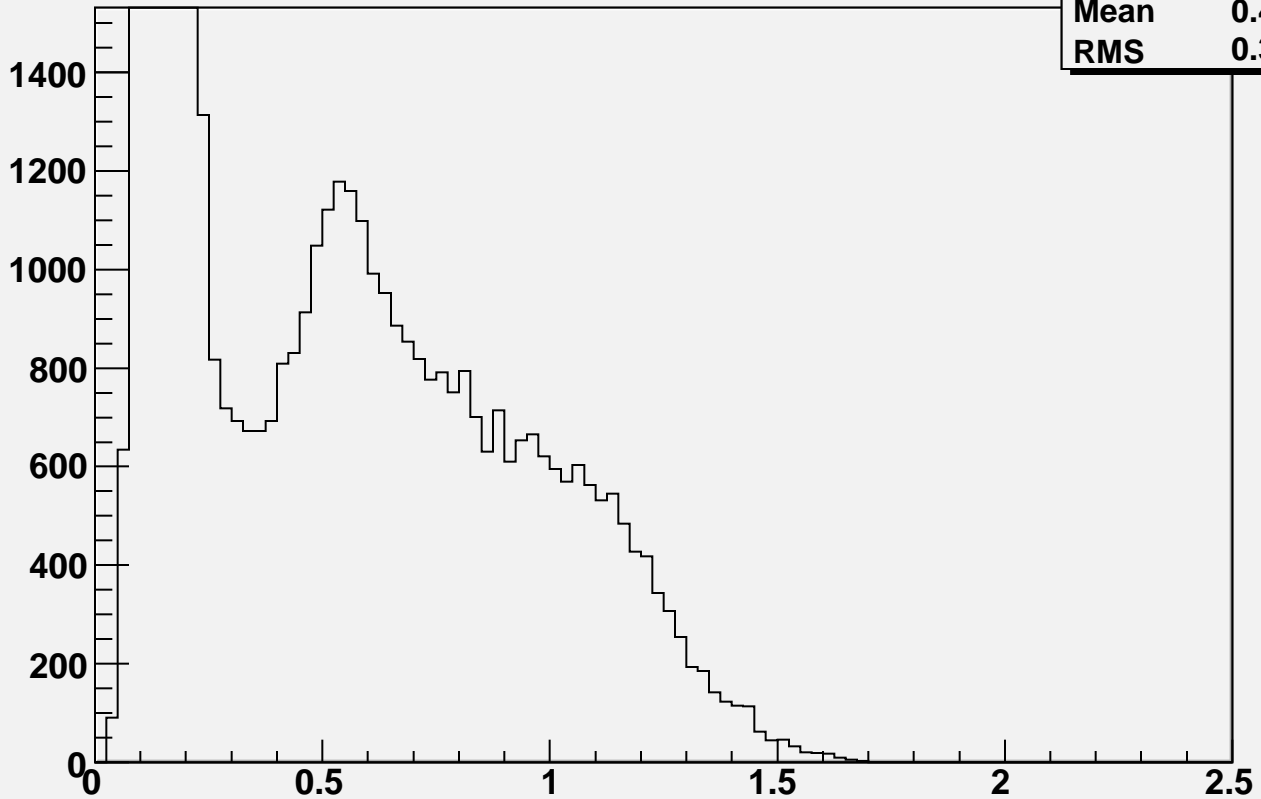


$N_{12} = 2$ & $Z < 0.7$ & $|\text{E12} - 30.000000| < 5$ & $|\text{Eta} - 3.000000| < 0.05$



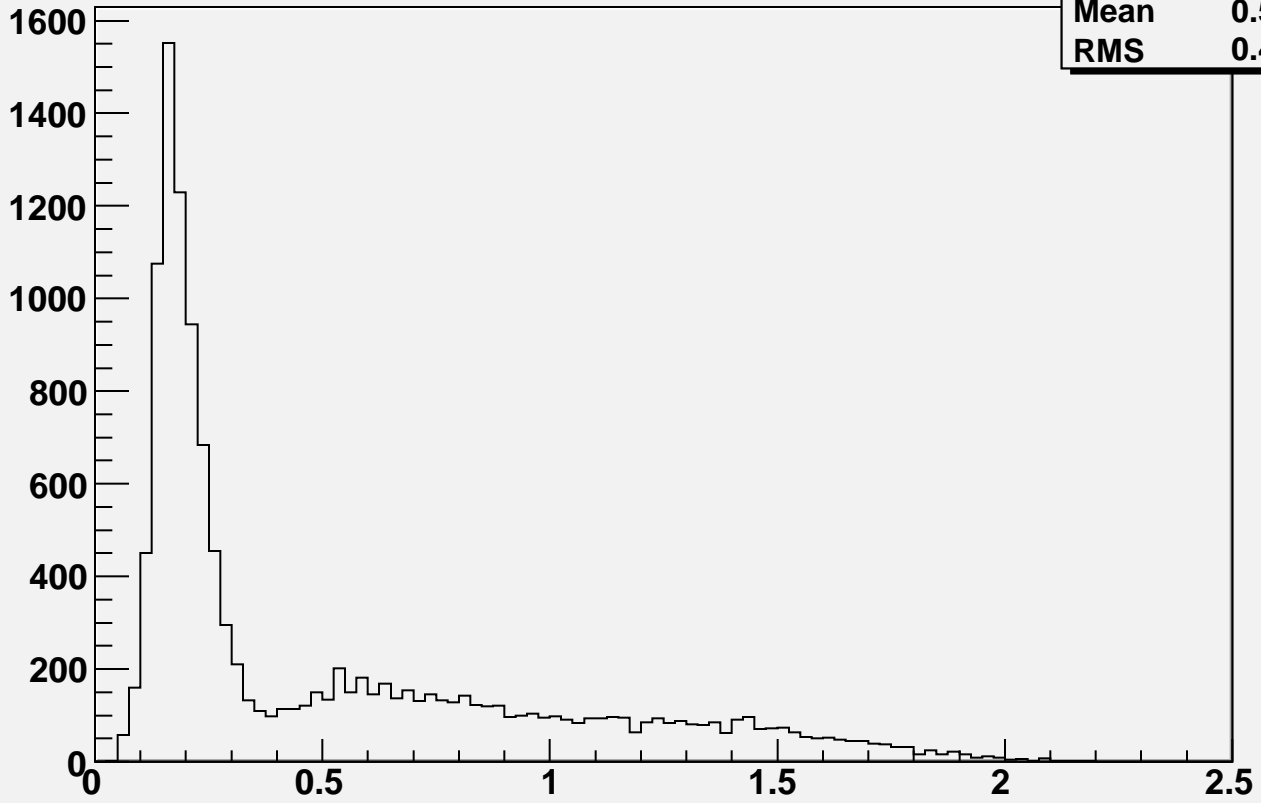
h1	
Entries	65944
Mean	0.4283
RMS	0.3579

$N_{12} = 2$ & $Z < 0.7$ & $|\text{E12} - 30.000000| < 5$ & $|\text{Eta} - 3.000000| < 0.05$



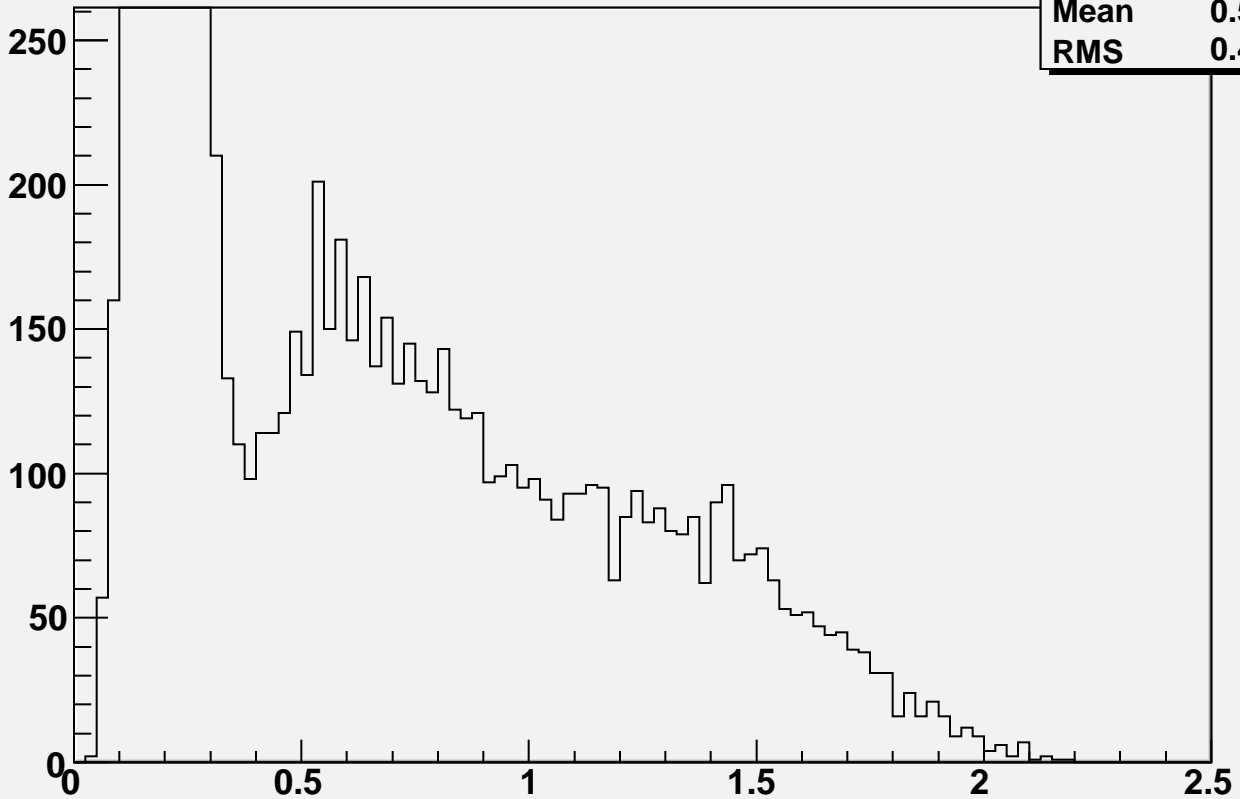
h2	
Entries	65944
Mean	0.4283
RMS	0.3579

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



h1	
Entries	13073
Mean	0.5323
RMS	0.4706

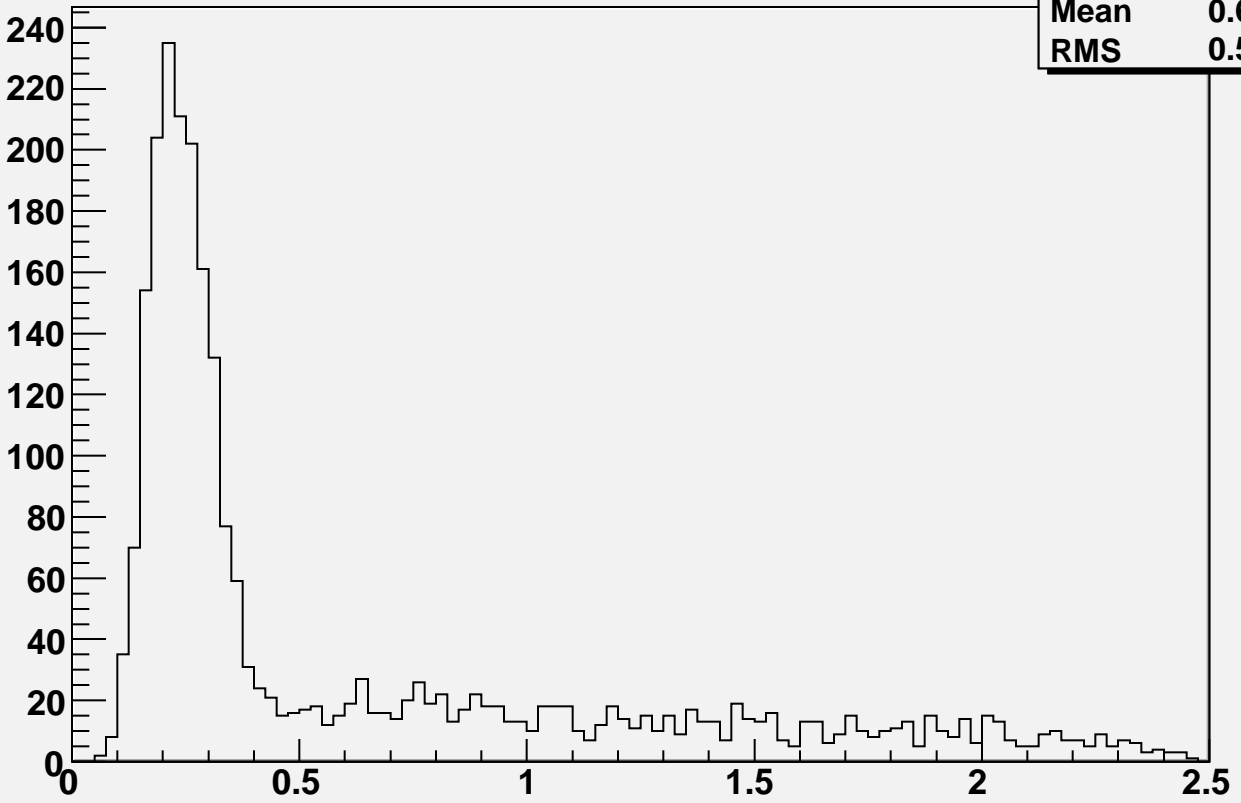
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.000000) < .05$



h2	
Entries	13073
Mean	0.5323
RMS	0.4706

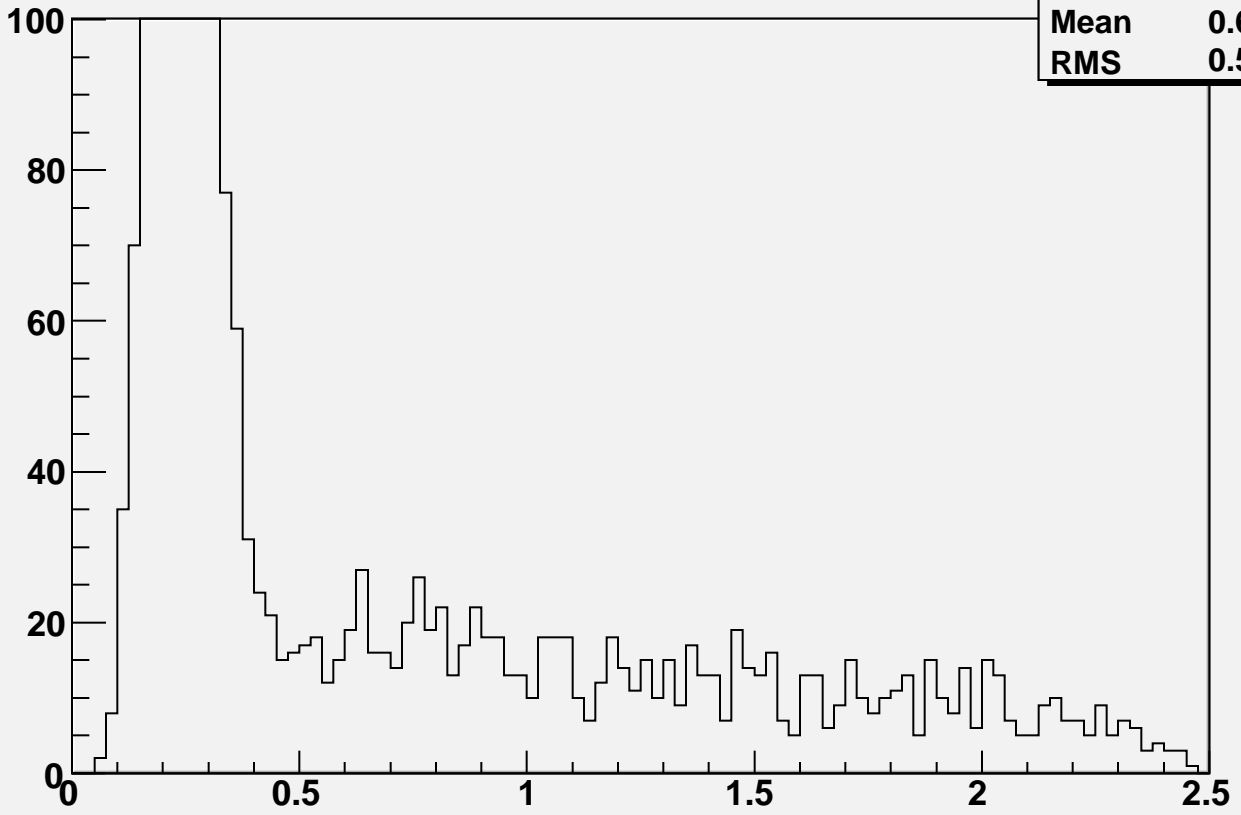
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.000000) < .05$

h1	
Entries	2616
Mean	0.6293
RMS	0.5979



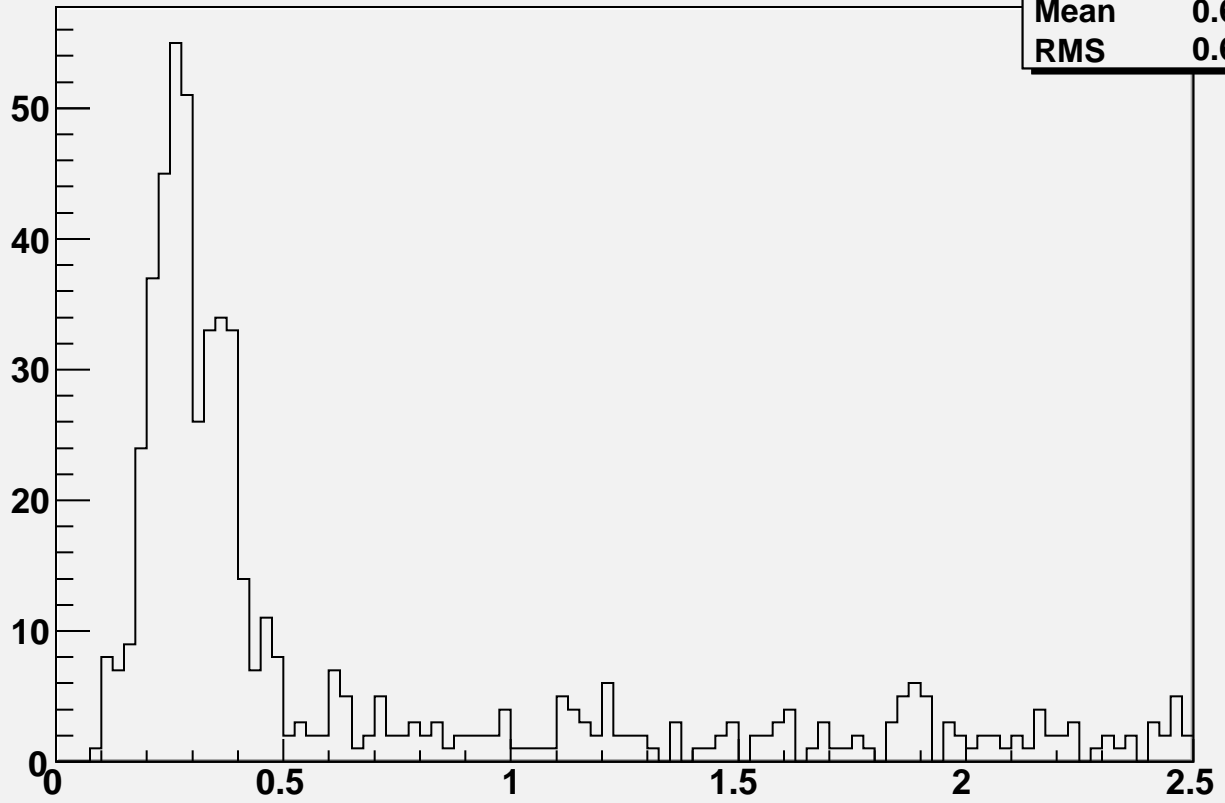
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 50.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 3.000000) < .05$

h2	
Entries	2616
Mean	0.6293
RMS	0.5979



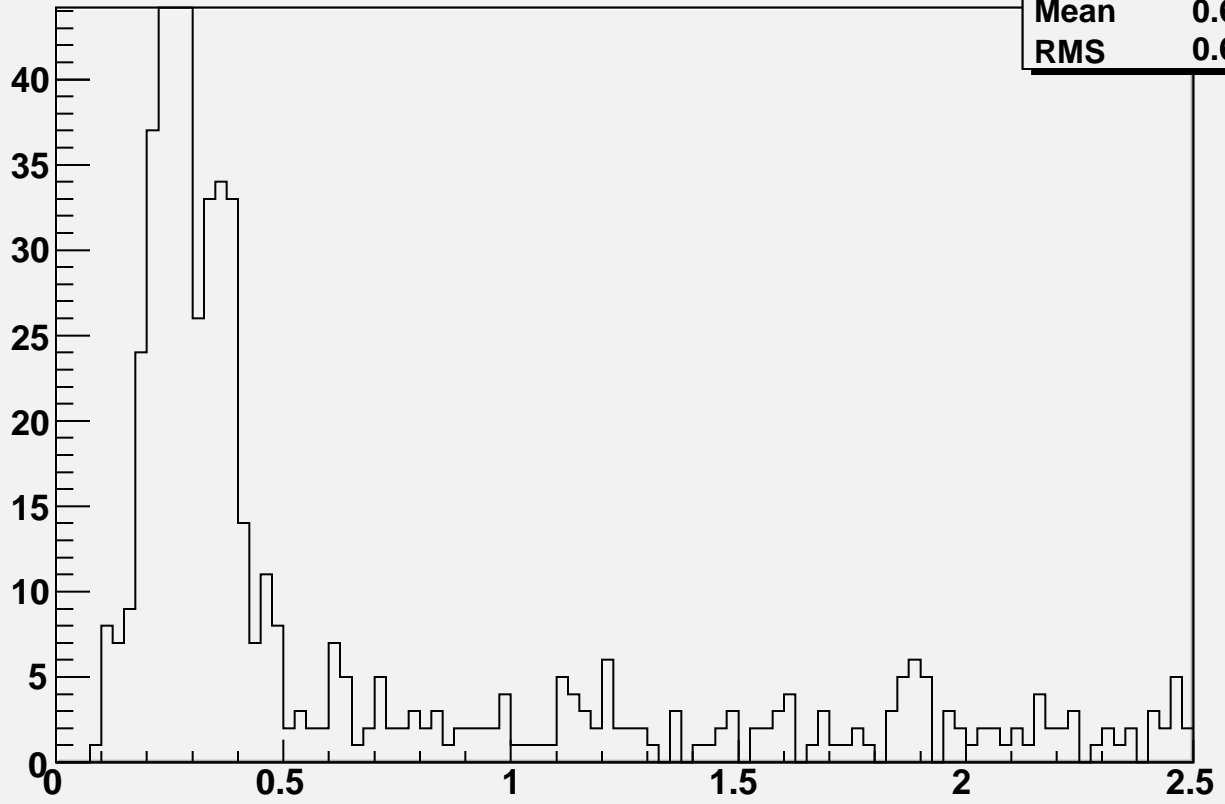
$N_{12} = 2 \times Z < 0.7 \times \text{abs}(E_{12} - 60.000000) < 5 \times \text{abs}(\text{Eta} - 3.000000) < 0.05$

h1	
Entries	610
Mean	0.6428
RMS	0.6273



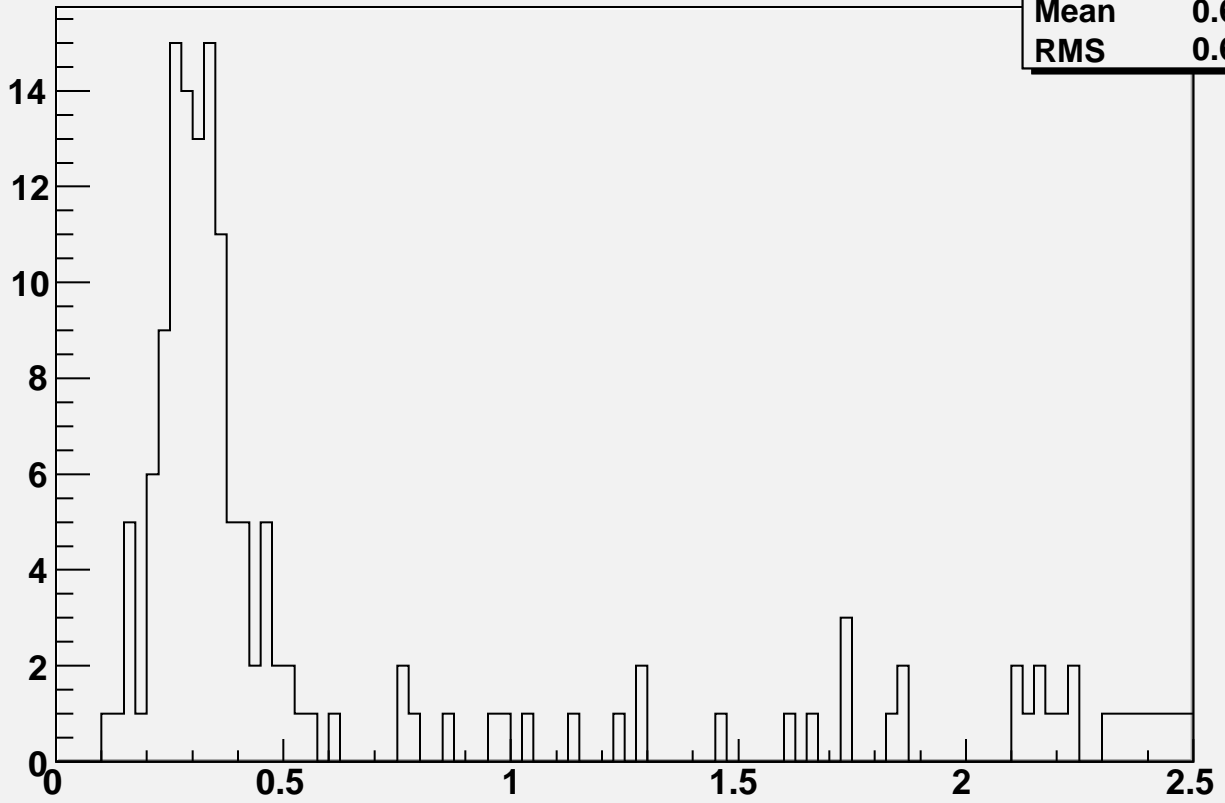
$N_{12} = 2 \times Z < 0.7 \times \text{abs}(E_{12} - 60.000000) < 5 \times \text{abs}(\text{Eta} - 3.000000) < 0.05$

h2	
Entries	610
Mean	0.6428
RMS	0.6273



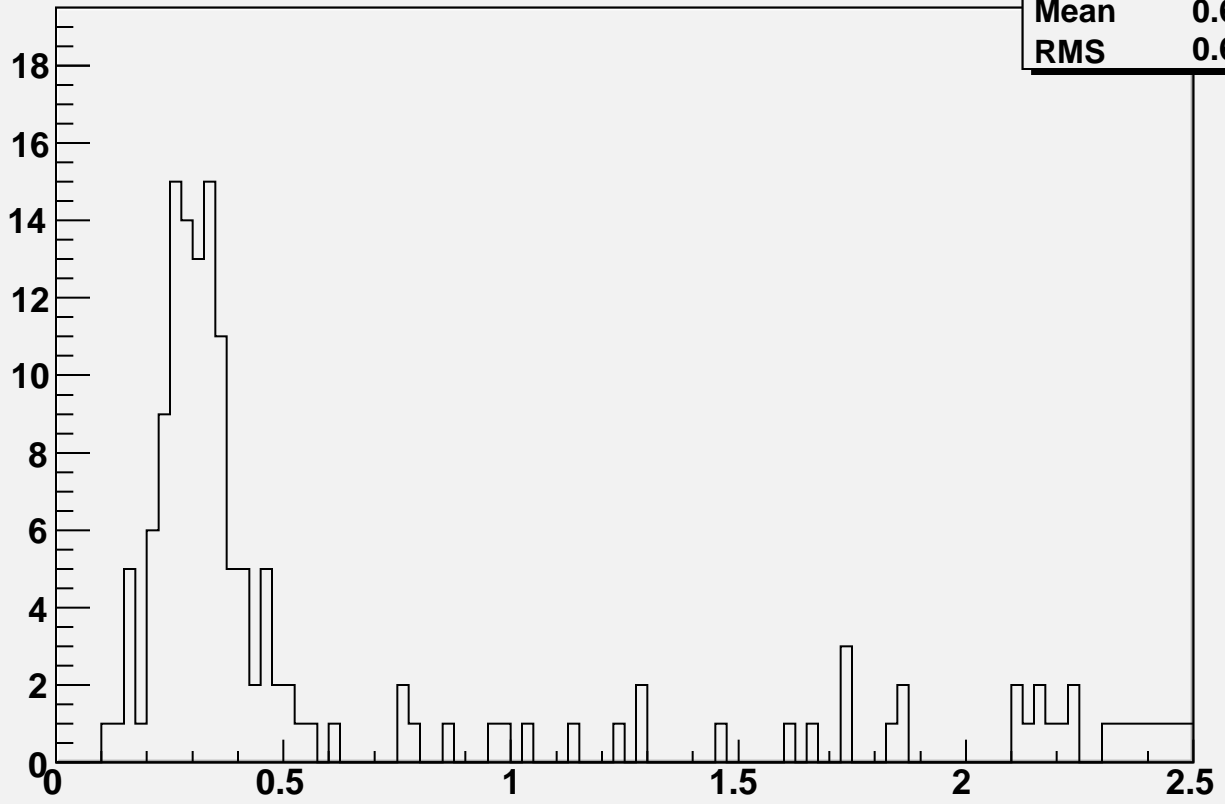
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 70.000000) < 5 \&\& \text{abs}(\text{Eta} - 3.000000) < .05$

h1	
Entries	170
Mean	0.6727
RMS	0.6846



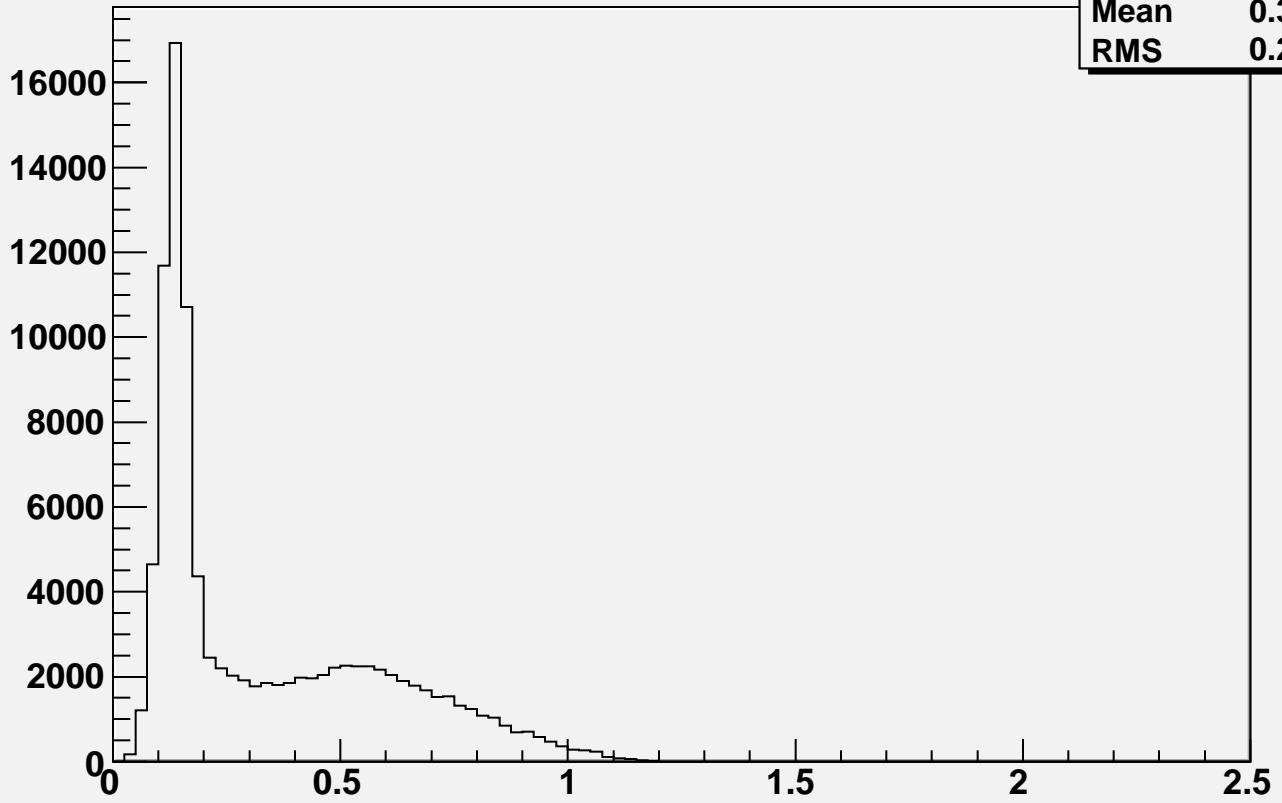
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 70.000000) < 5 \&\& \text{abs}(\text{Eta} - 3.000000) < .05$

h2	
Entries	170
Mean	0.6727
RMS	0.6846



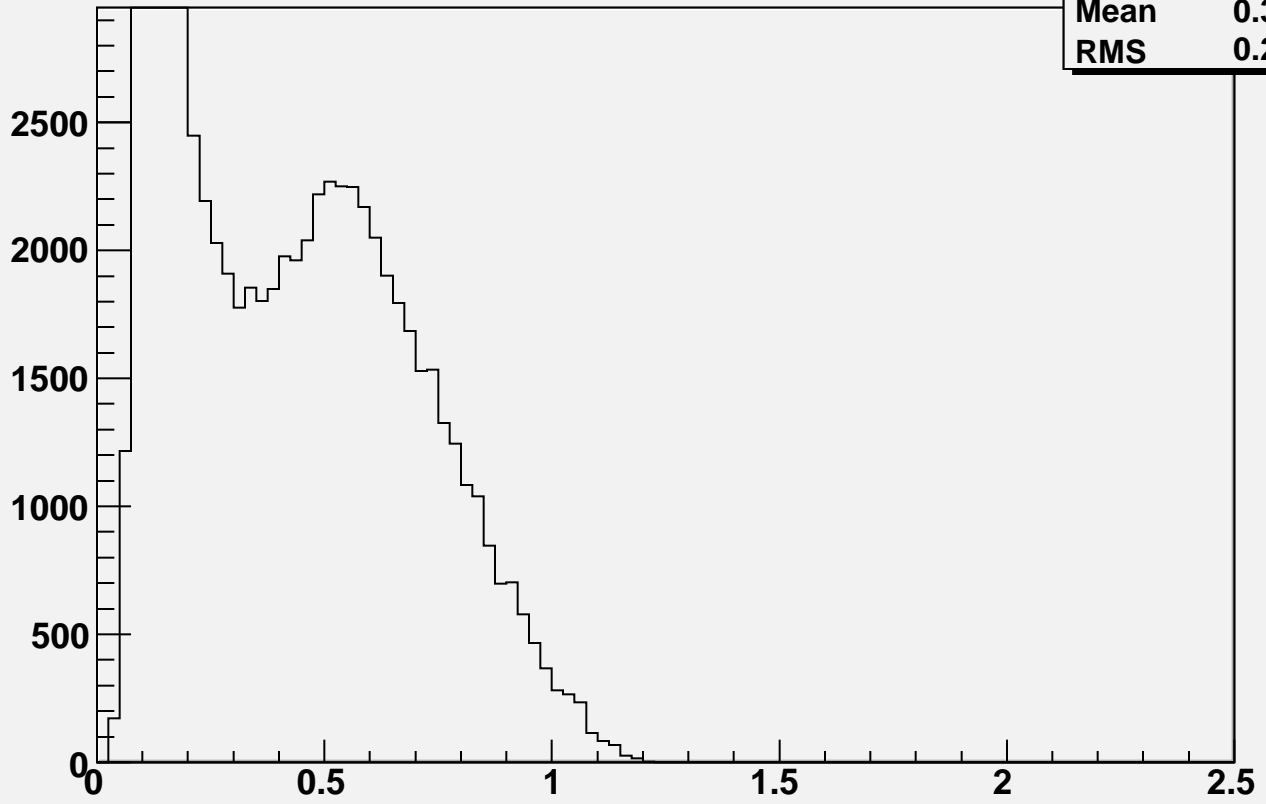
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5 \&\& \text{abs}(\text{Eta} - 2.900000) < .05$

h1	
Entries	102649
Mean	0.3434
RMS	0.2547

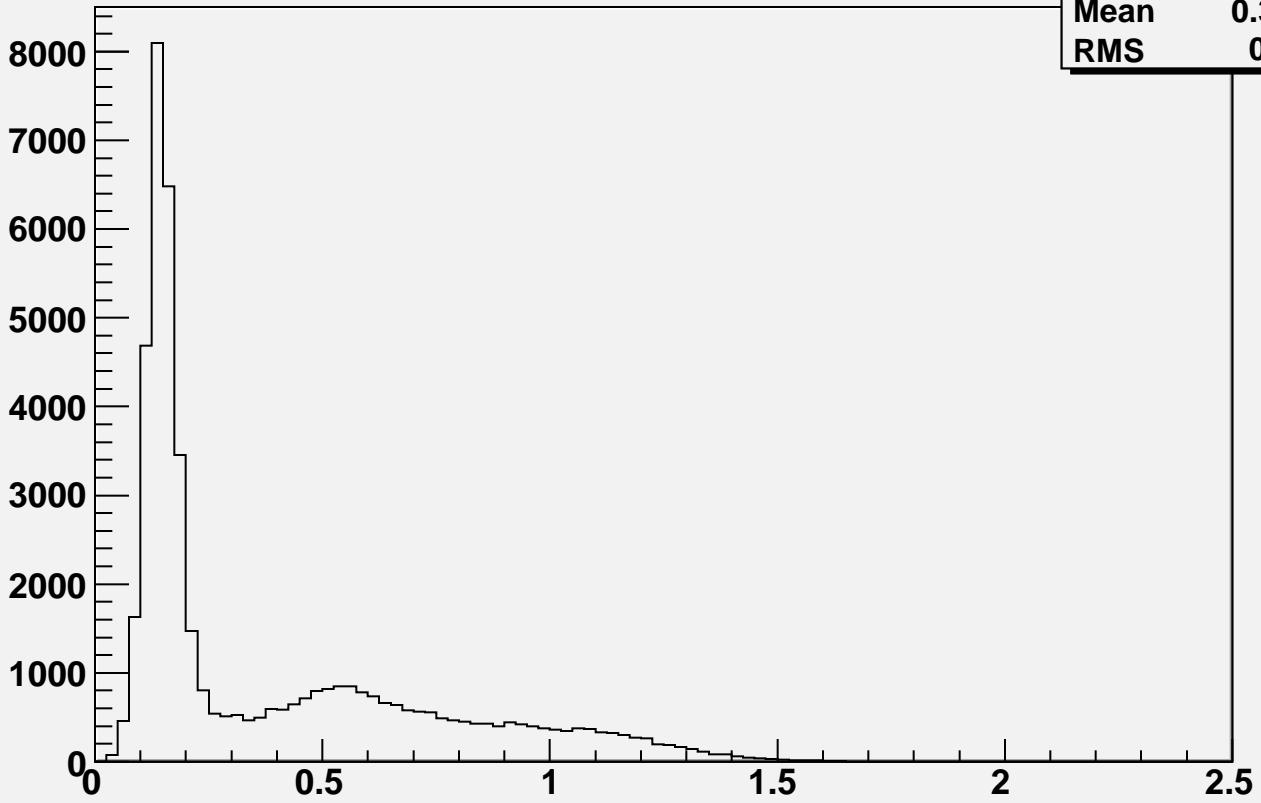


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5 \&\& \text{abs}(\text{Eta} - 2.900000) < .05$

h2	
Entries	102649
Mean	0.3434
RMS	0.2547

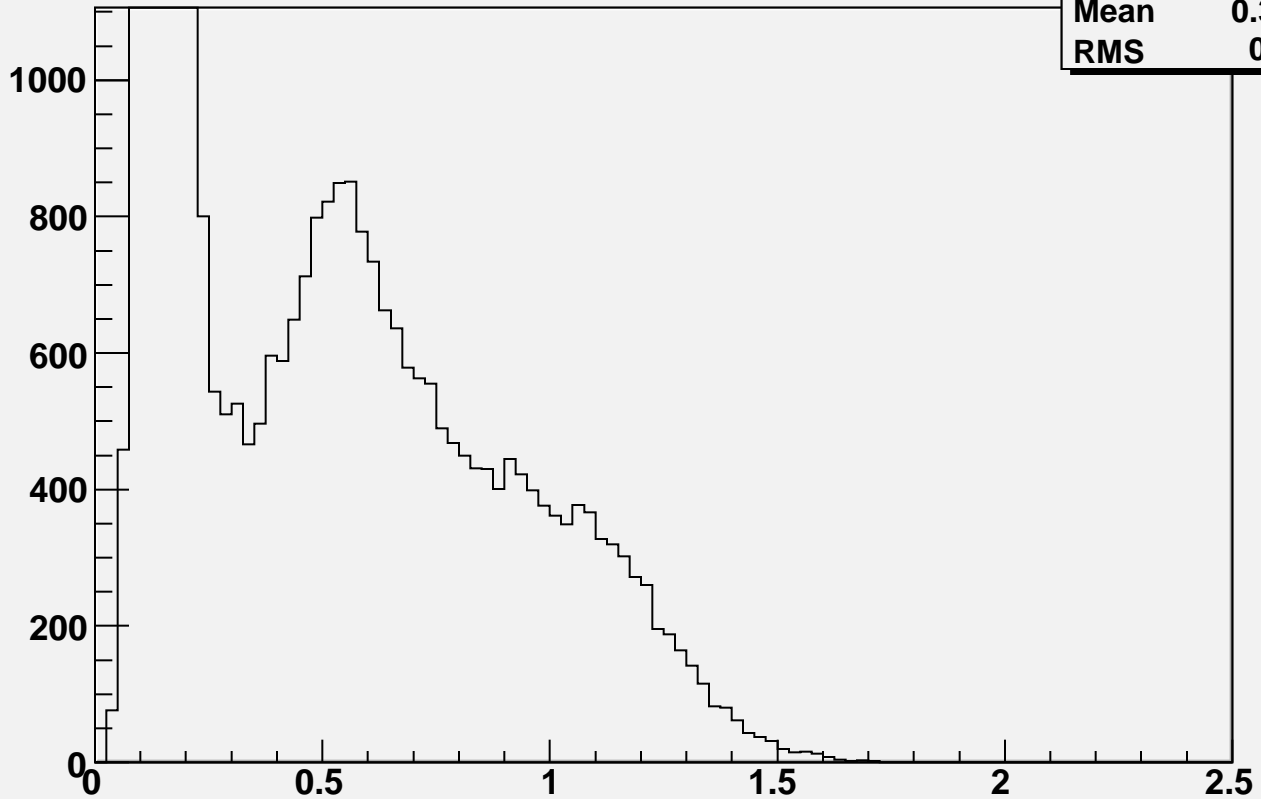


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 30.000000) < 5 \&\& \text{abs}(\text{Eta} - 2.900000) < .05$



h1	
Entries	48543
Mean	0.3962
RMS	0.342

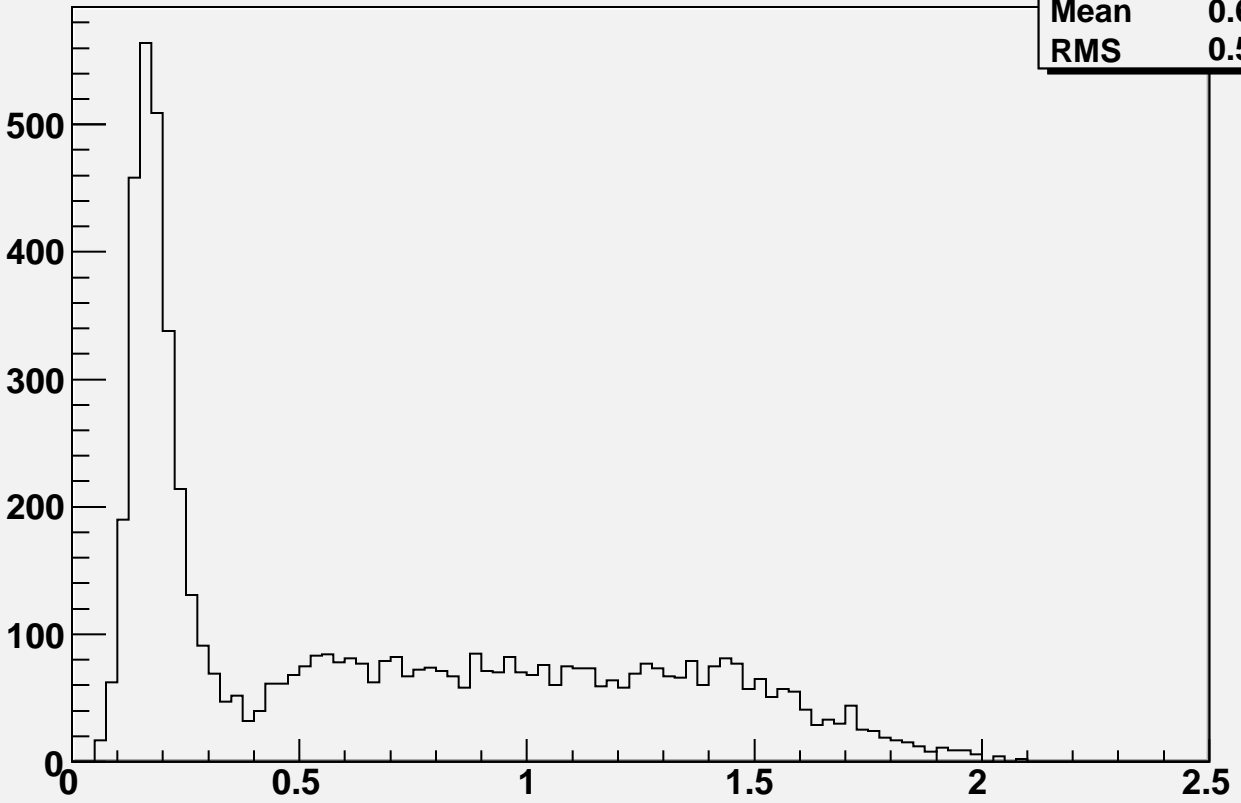
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 30.000000) < 5 \&\& \text{abs}(\text{Eta} - 2.900000) < .05$



h2	
Entries	48543
Mean	0.3962
RMS	0.342

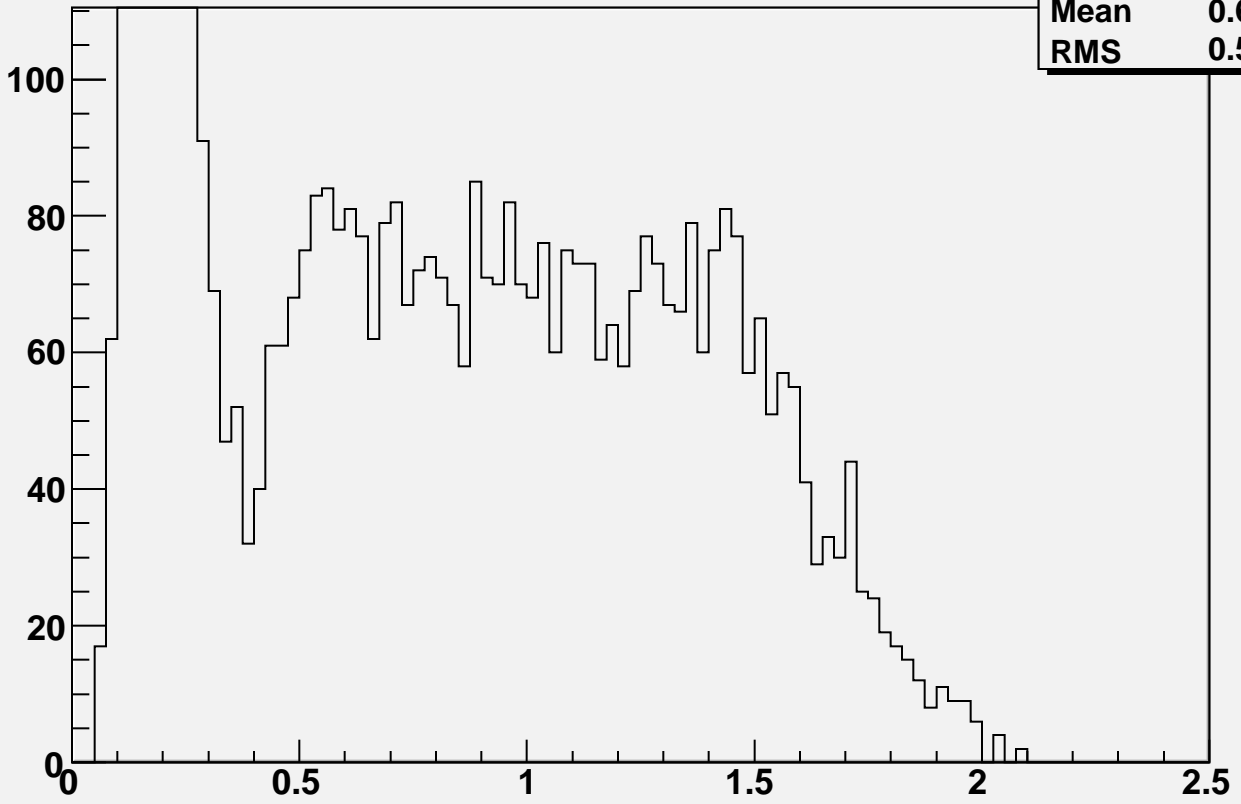
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 2.900000) < .05$

h1	
Entries	6445
Mean	0.6863
RMS	0.5234



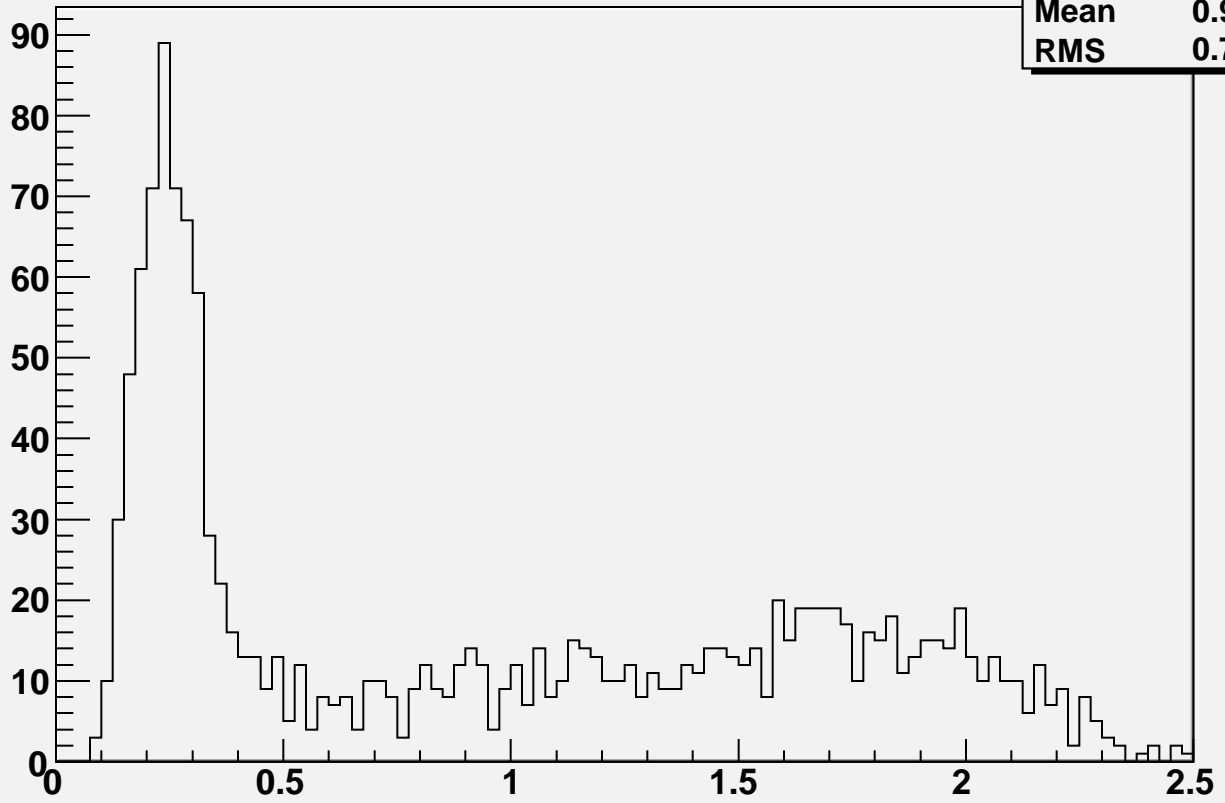
$N_{12} = 2 \text{ \& \& } Z < .7 \text{ \& \& } \text{abs}(E_{12} - 40.000000) < 5. \text{ \& \& } \text{abs}(\text{Eta} - 2.900000) < .05$

h2	
Entries	6445
Mean	0.6863
RMS	0.5234



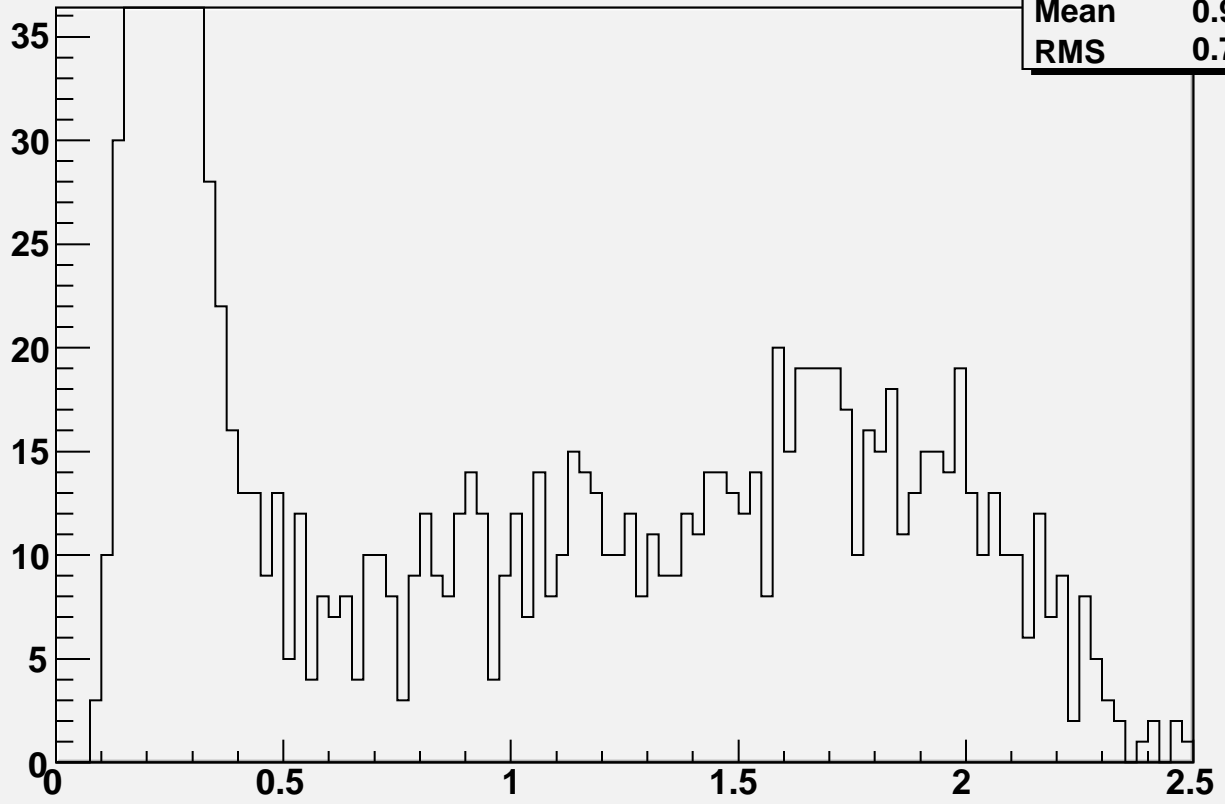
$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 50.000000) < 5. \text{ \& \& abs}(\text{Eta} - 2.900000) < .05$

h1	
Entries	1442
Mean	0.9469
RMS	0.7012



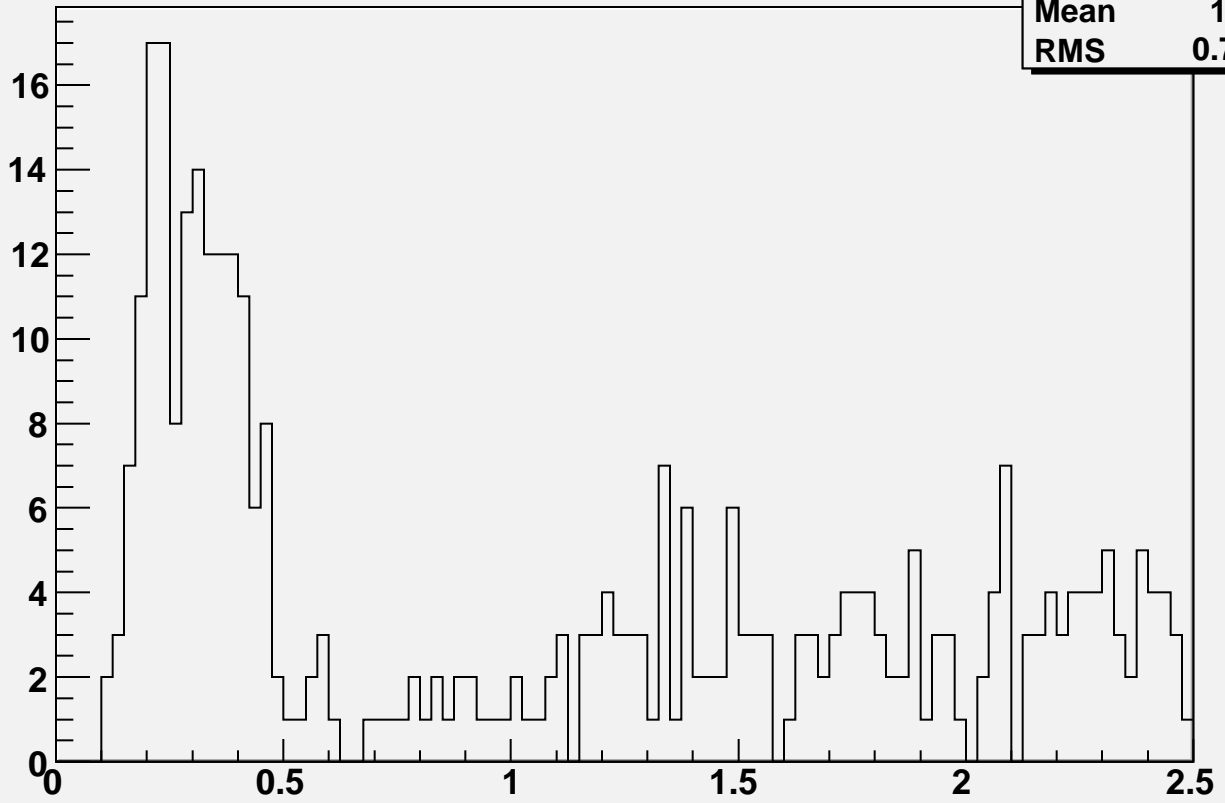
$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 50.000000) < 5. \text{ \& \& abs}(\text{Eta} - 2.900000) < .05$

h2	
Entries	1442
Mean	0.9469
RMS	0.7012



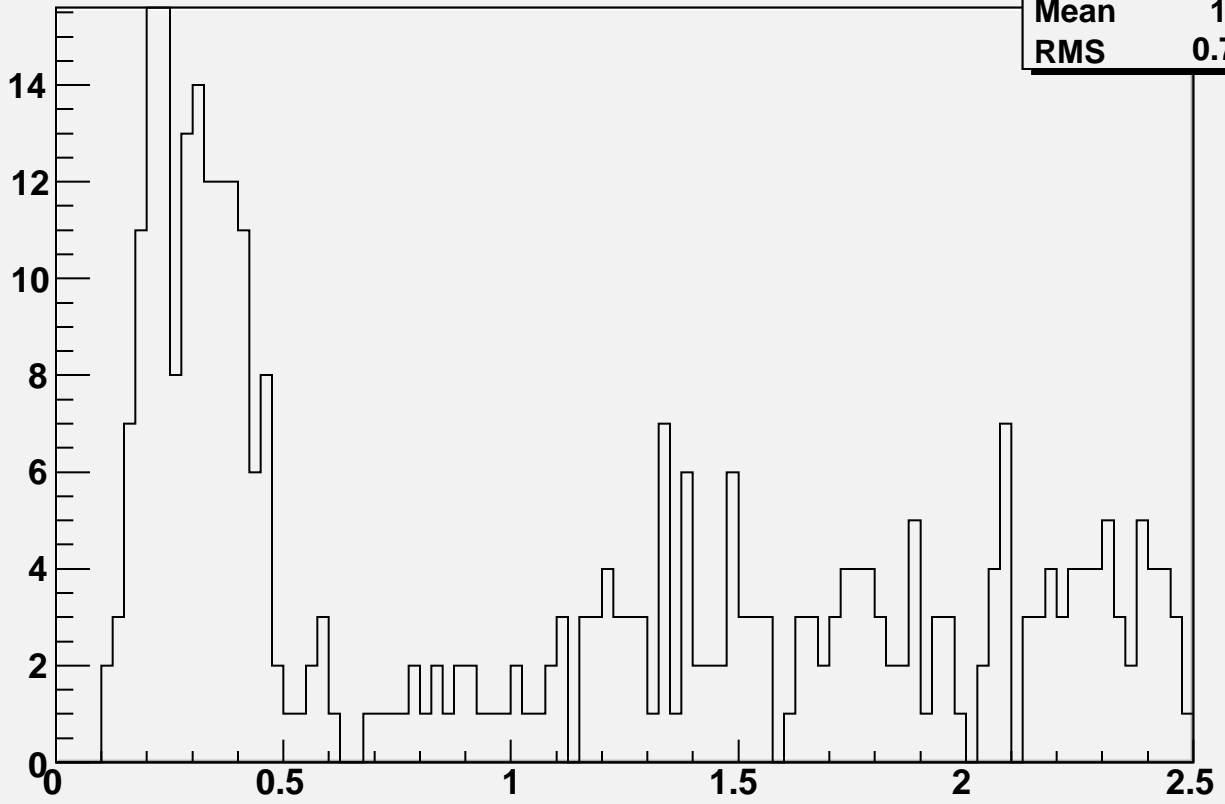
$N_{12} = 2 \text{ \&Z} < .7 \text{ \&abs}(E_{12} - 60.000000) < 5 \text{ \&abs}(\text{Eta} - 2.900000) < .05$

h1	
Entries	376
Mean	1.065
RMS	0.7869



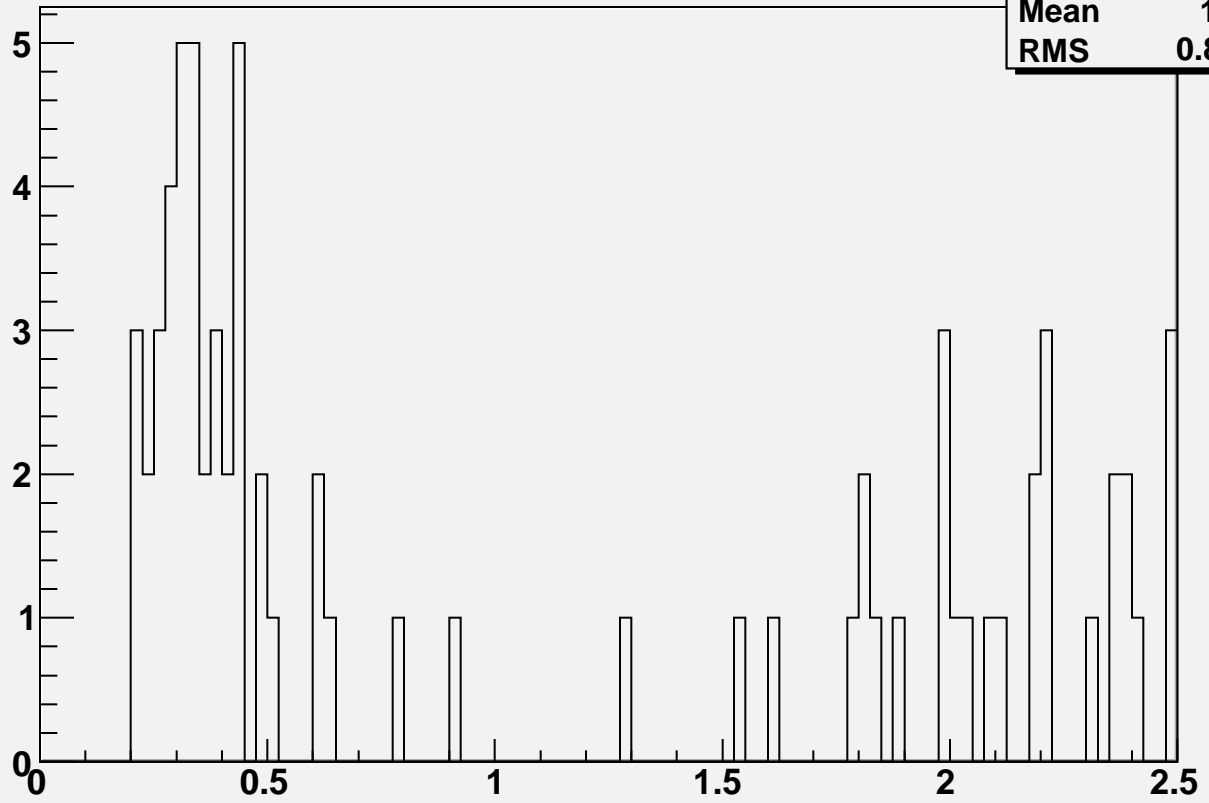
$N_{12} = 2 \text{ \&Z} < .7 \text{ \&abs}(E_{12} - 60.000000) < 5 \text{ \&abs}(\text{Eta} - 2.900000) < .05$

h2	
Entries	376
Mean	1.065
RMS	0.7869



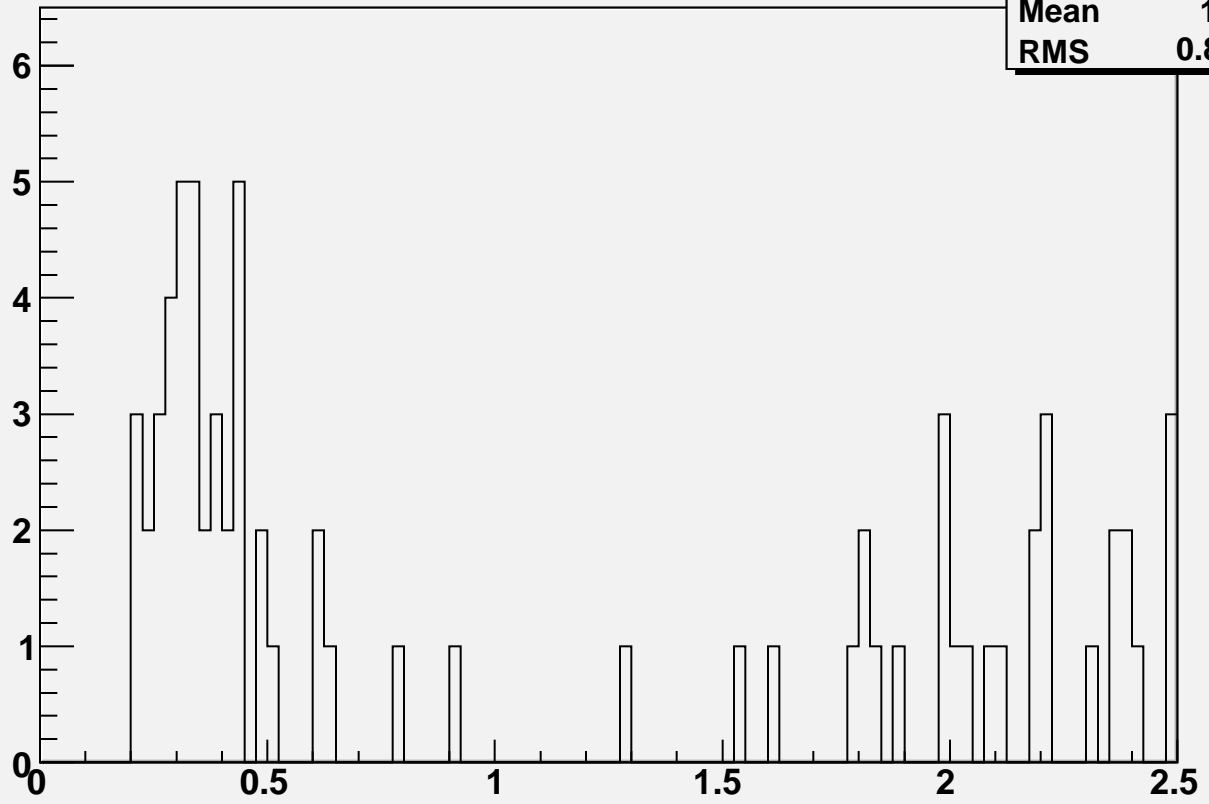
$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 70.000000) < 5 \&\& \text{abs}(\text{Eta} - 2.900000) < .05$

h1	
Entries	83
Mean	1.081
RMS	0.8647

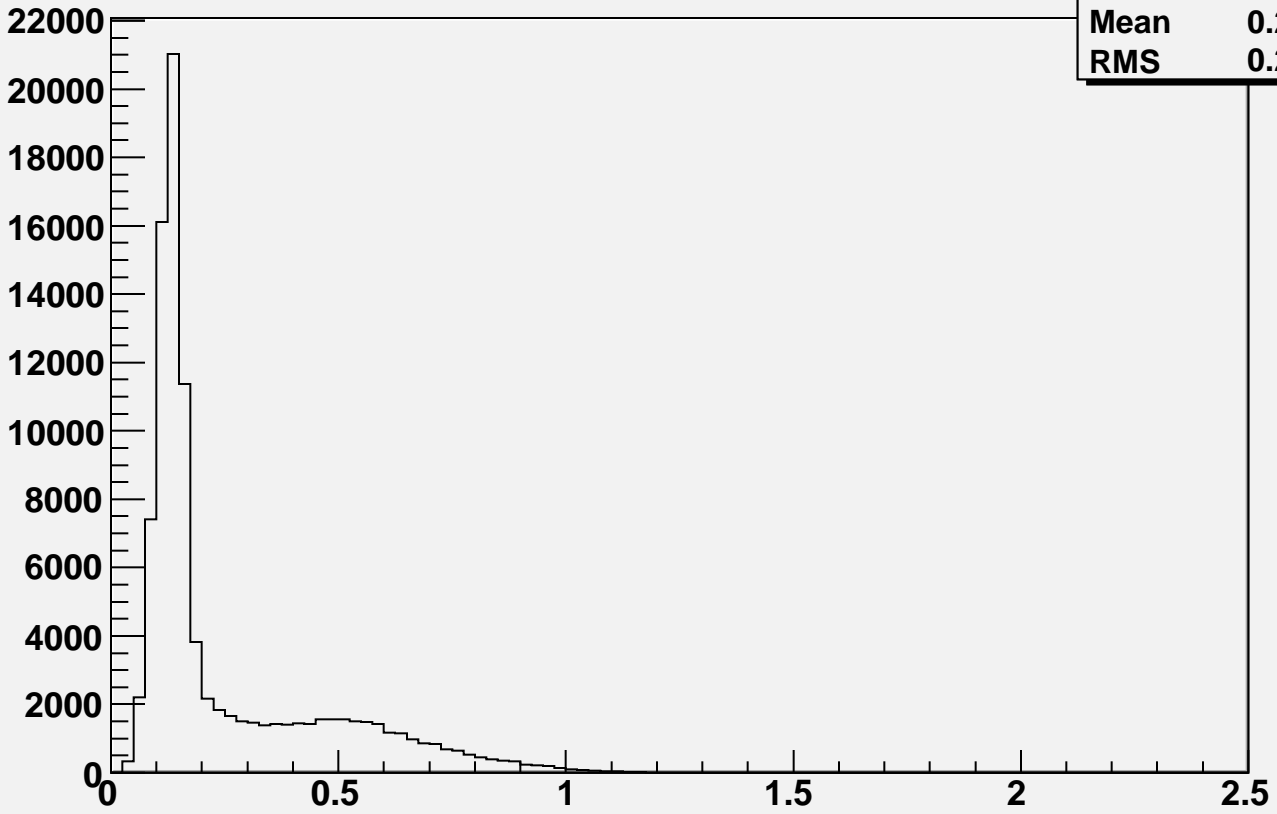


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 70.000000) < 5 \&\& \text{abs}(\text{Eta} - 2.900000) < .05$

h2	
Entries	83
Mean	1.081
RMS	0.8647

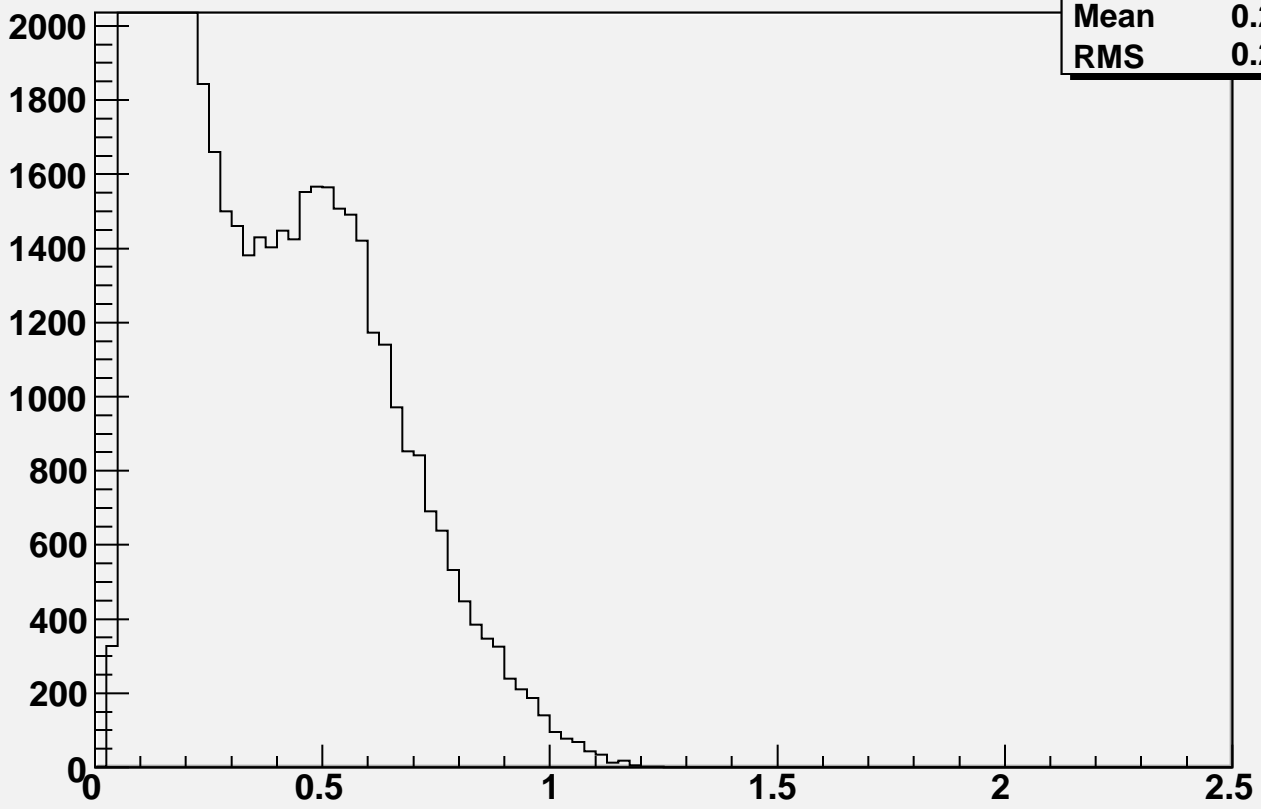


$N_{12} = 2 \&\& Z < .7 \&\& \text{abs}(E_{12} - 20.000000) < 5. \&\& \text{abs}(\text{Eta} - 2.800000) < .05$



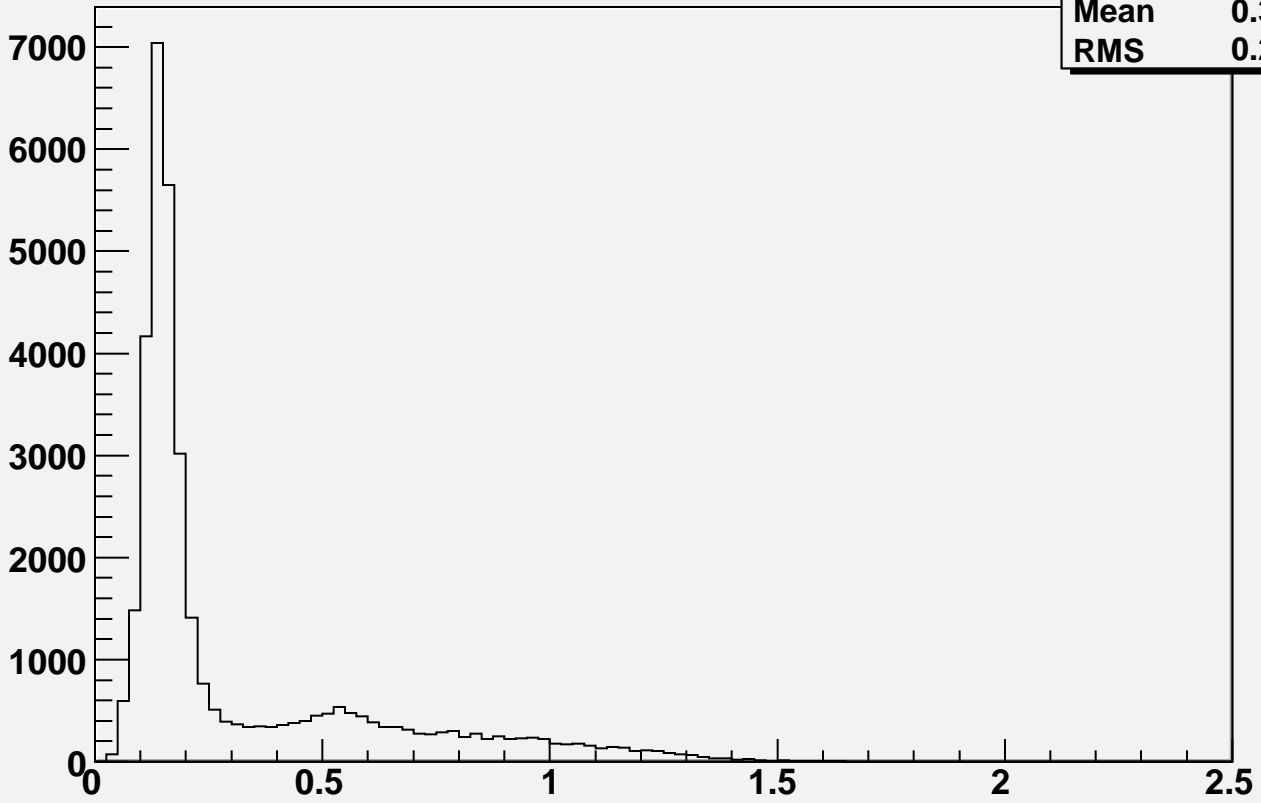
h1	
Entries	96570
Mean	0.2577
RMS	0.2103

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



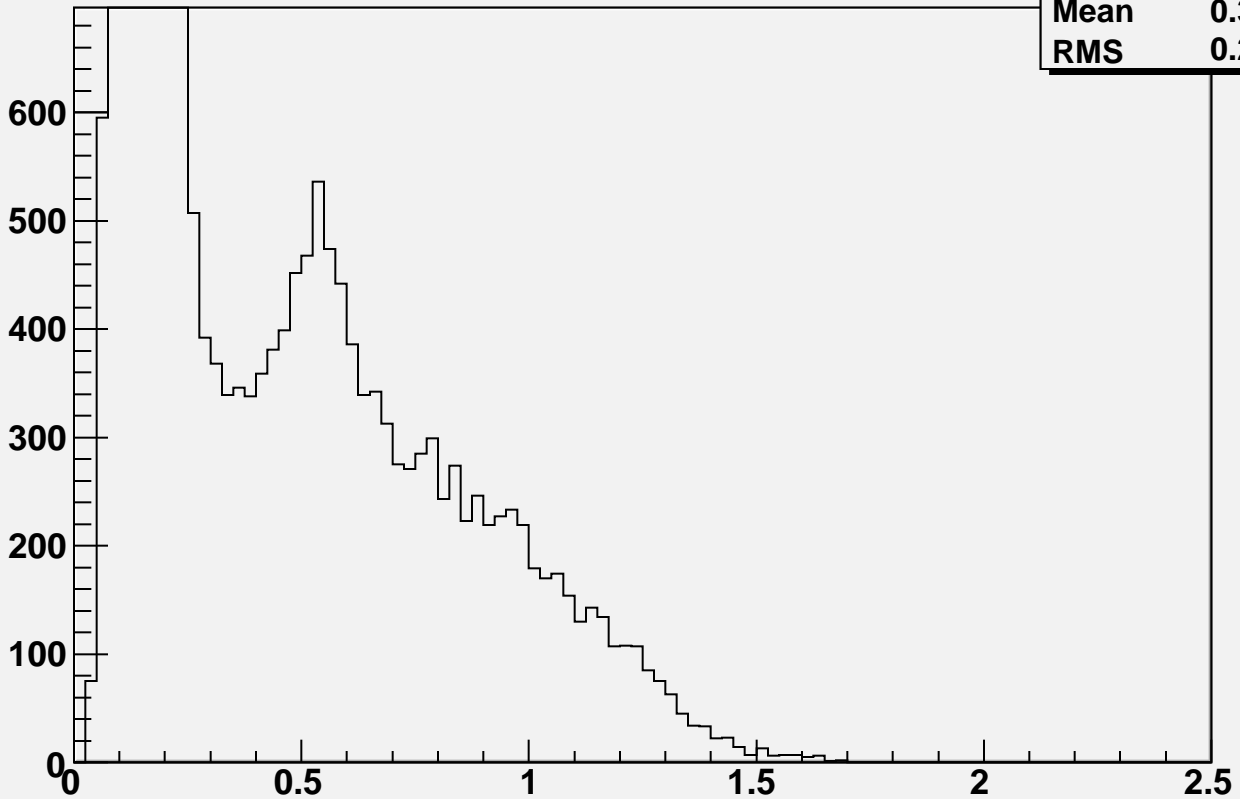
h2	
Entries	96570
Mean	0.2577
RMS	0.2103

$N_{12} = 2$ & $Z < 0.7$ & $|\text{abs}(E_{12} - 30.000000)| < 5$ & $|\text{abs}(\text{Eta} - 2.800000)| < 0.05$



h1	
Entries	36244
Mean	0.3223
RMS	0.2998

$N_{12} = 2$ & $Z < 0.7$ & $|\text{abs}(E_{12} - 30.000000)| < 5$ & $|\text{abs}(\text{Eta} - 2.800000)| < 0.05$

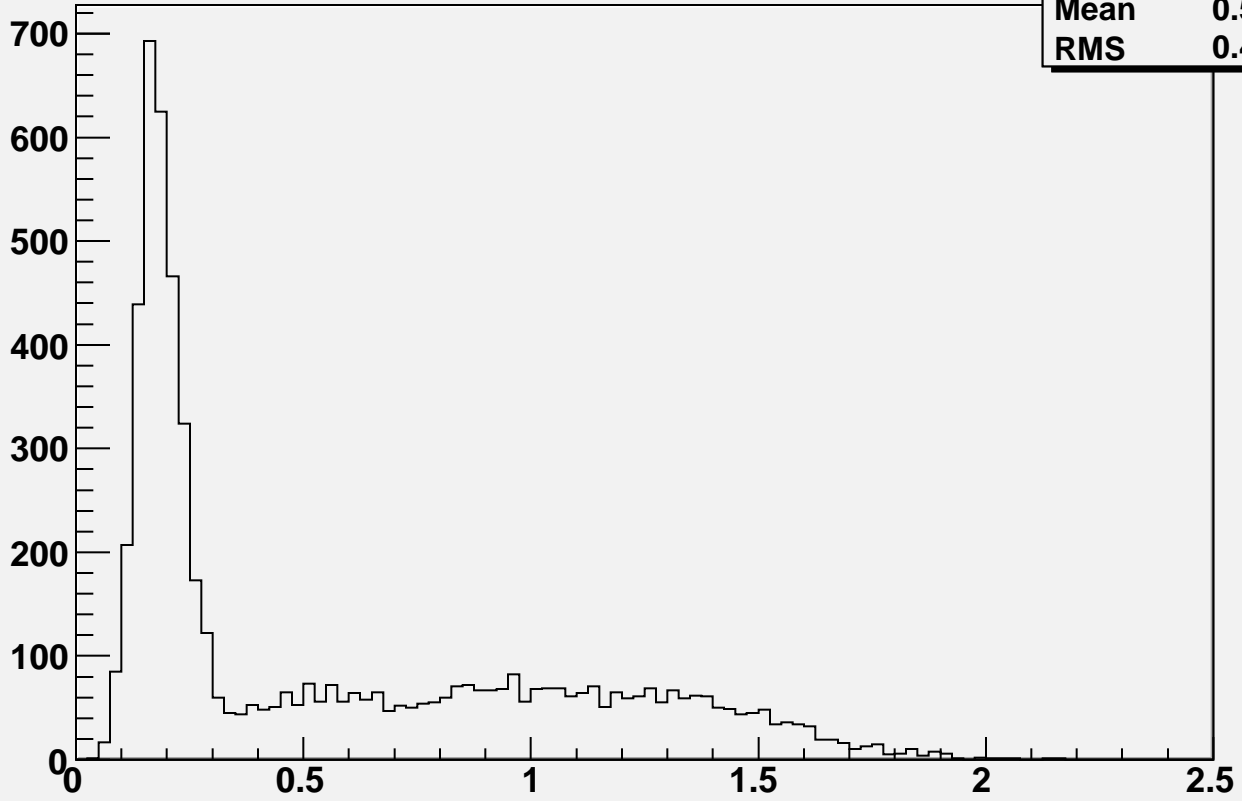


h2	
Entries	36244
Mean	0.3223
RMS	0.2998

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

h1

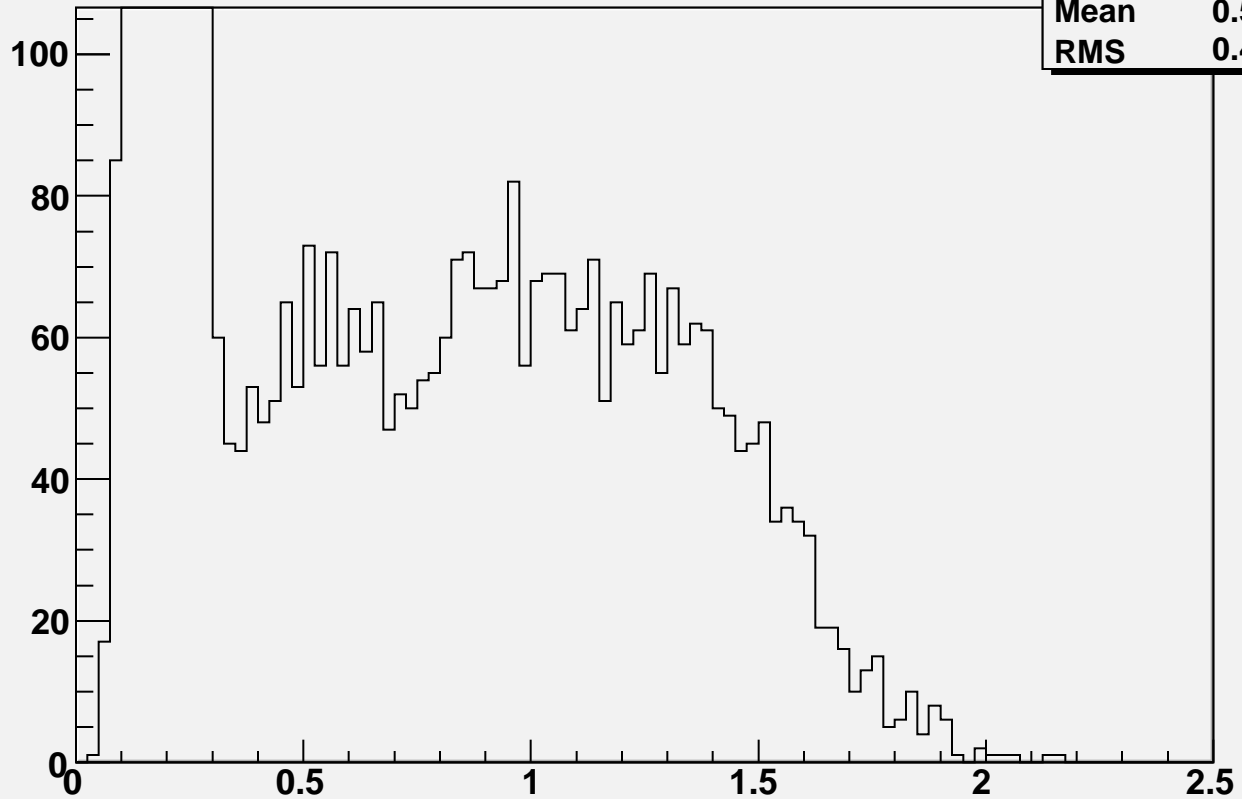
Entries	6338
Mean	0.5837
RMS	0.4852



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

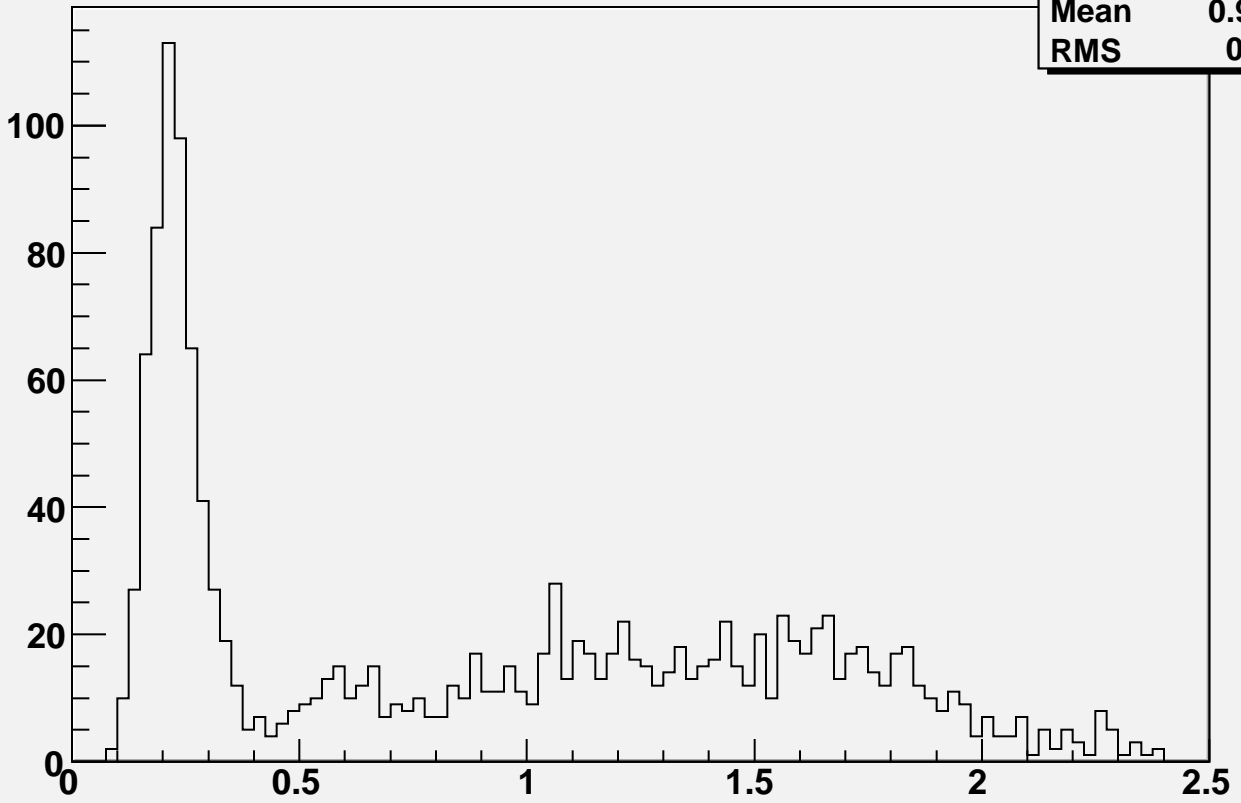
h2

Entries	6338
Mean	0.5837
RMS	0.4852



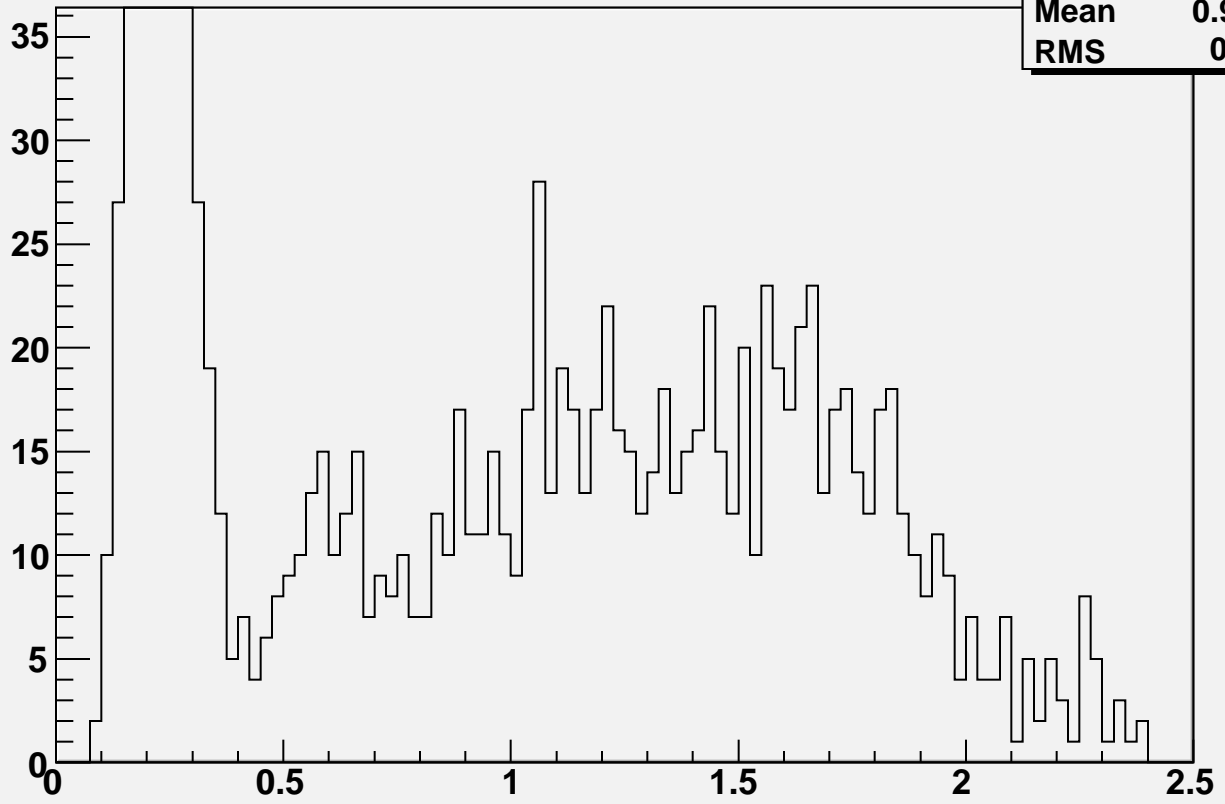
$N_{12} = 2 \text{ \&Z} < .7 \text{ \&abs}(E_{12} - 50.000000) < 5. \text{ \&abs}(\text{Eta} - 2.800000) < .05$

h1	
Entries	1489
Mean	0.9017
RMS	0.643



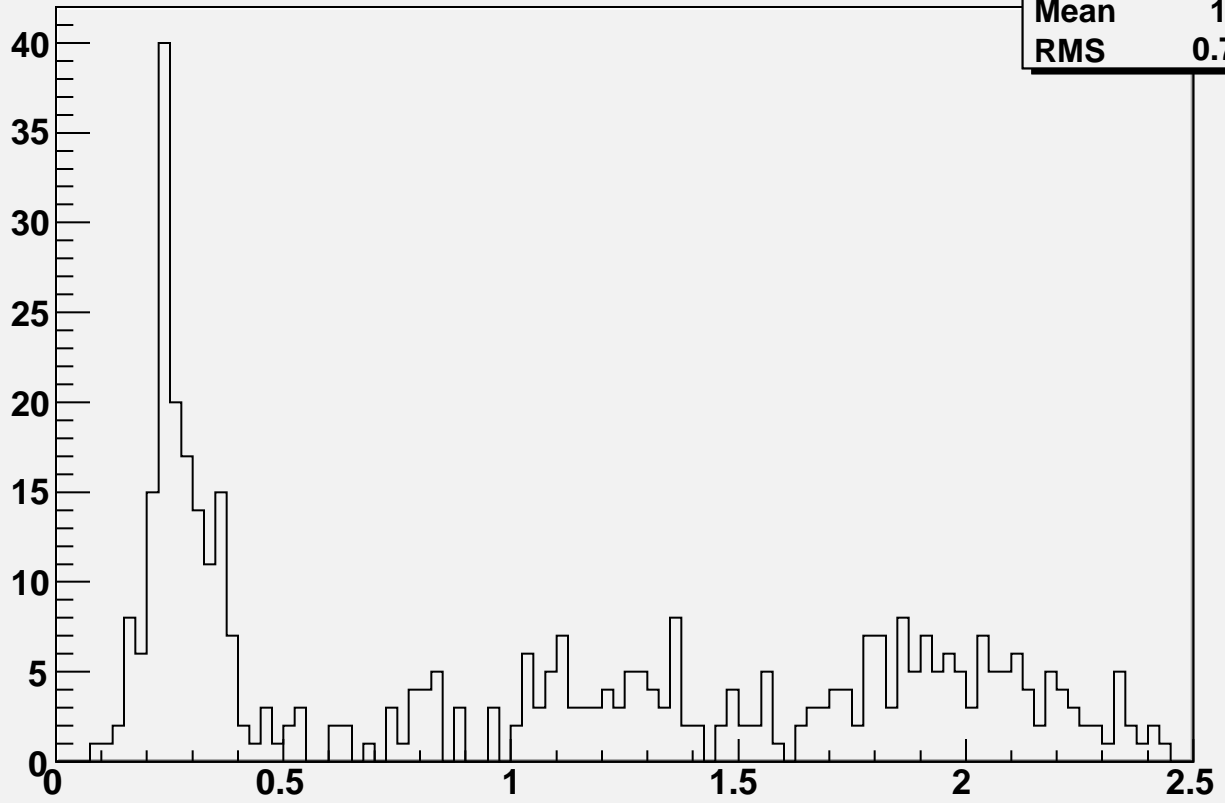
$N_{12} = 2 \text{ \&Z} < .7 \text{ \&abs}(E_{12} - 50.000000) < 5. \text{ \&abs}(\text{Eta} - 2.800000) < .05$

h2	
Entries	1489
Mean	0.9017
RMS	0.643



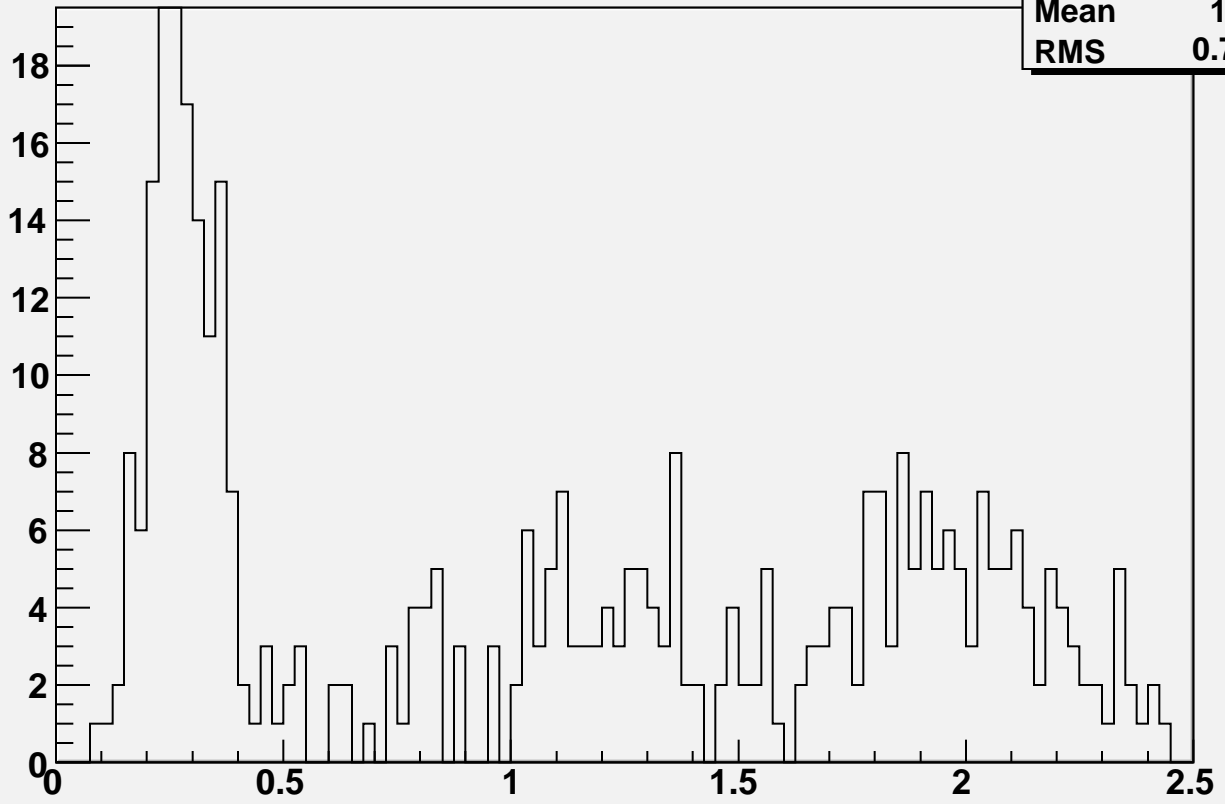
$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 60.000000) < 5. \text{ \& \& abs}(\text{Eta} - 2.800000) < .05$

h1	
Entries	425
Mean	1.063
RMS	0.7482



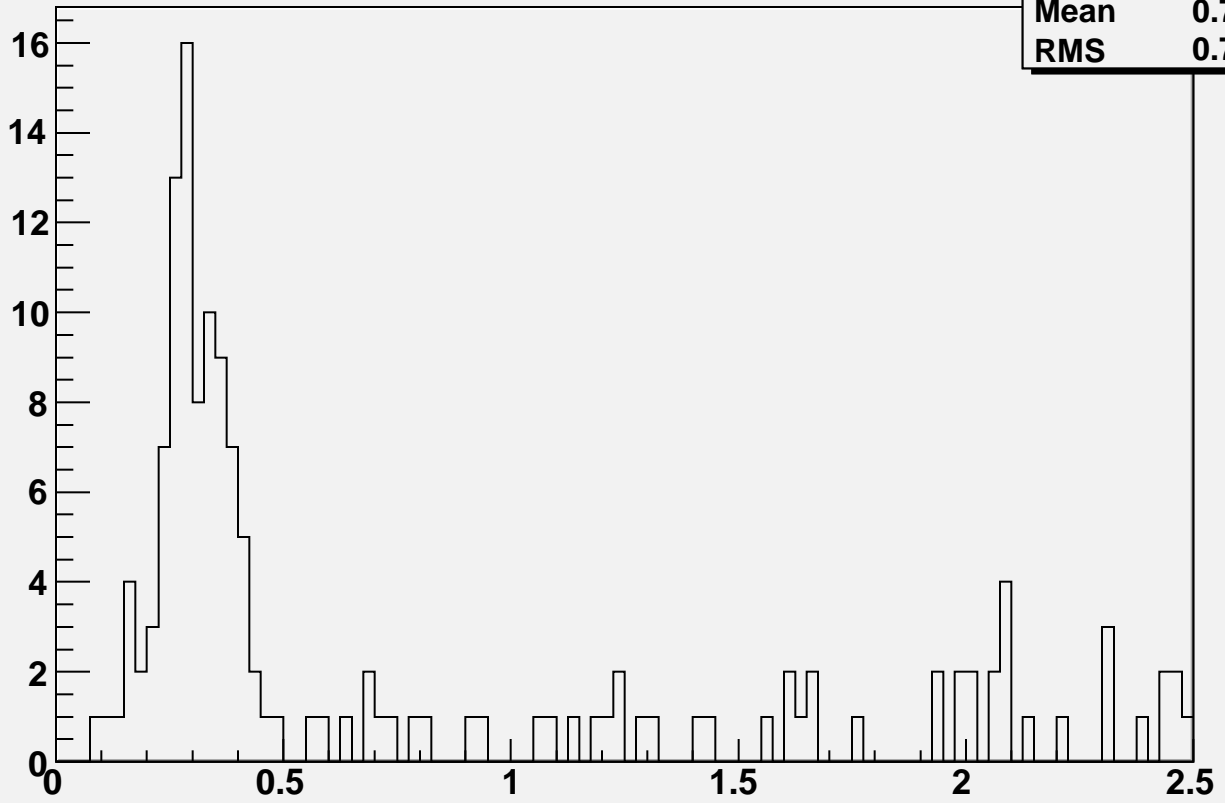
$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 60.000000) < 5. \text{ \& \& abs}(\text{Eta} - 2.800000) < .05$

h2	
Entries	425
Mean	1.063
RMS	0.7482



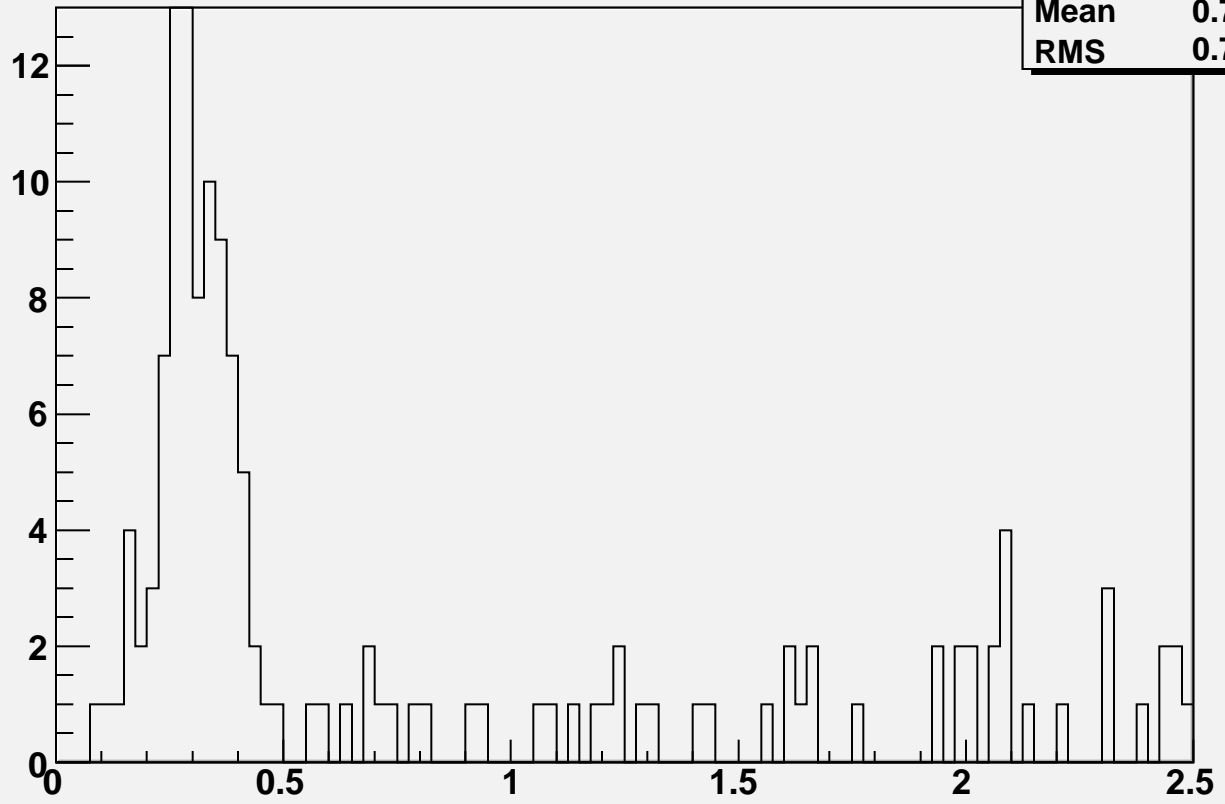
$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 70.000000) < 5 \text{ \& \& abs}(\text{Eta} - 2.800000) < .05$

h1	
Entries	152
Mean	0.7752
RMS	0.7263

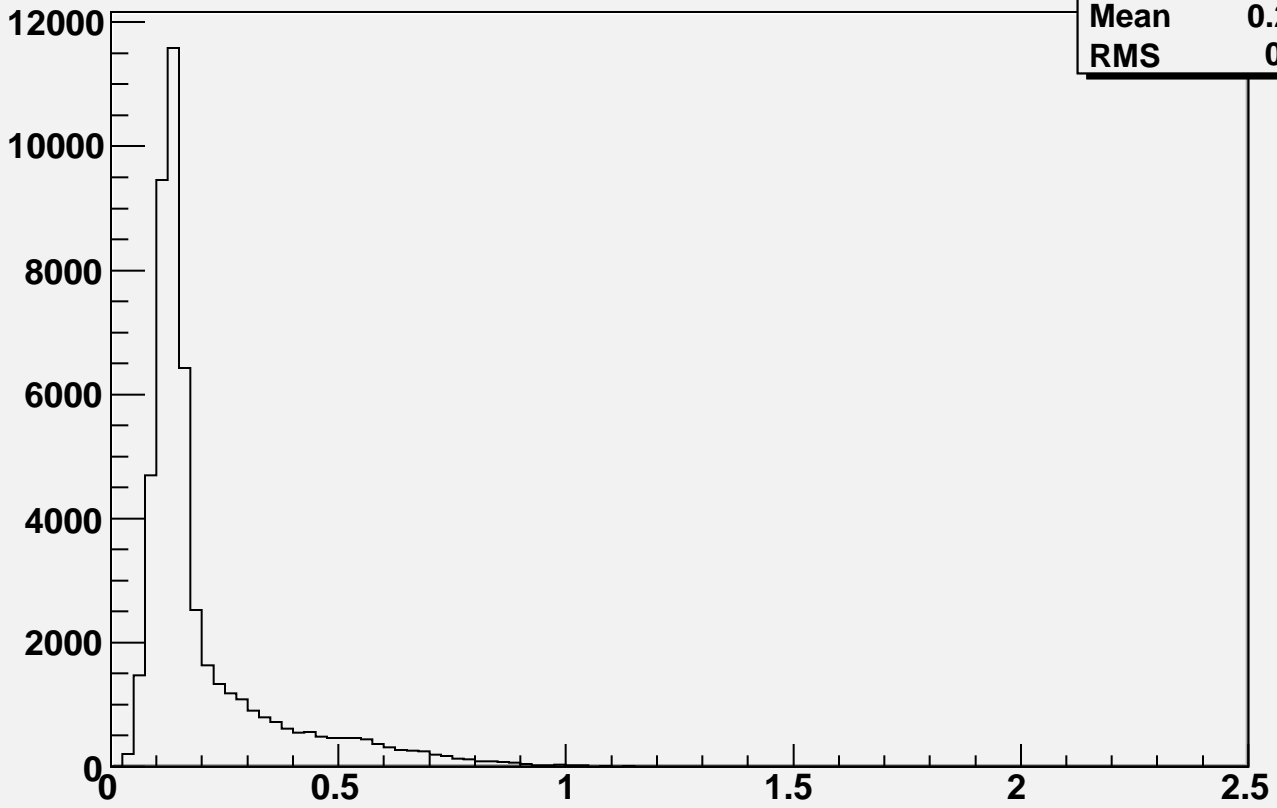


$N_{12} = 2 \text{ \& \& Z} < .7 \text{ \& \& abs}(E_{12} - 70.000000) < 5 \text{ \& \& abs}(\text{Eta} - 2.800000) < .05$

h2	
Entries	152
Mean	0.7752
RMS	0.7263

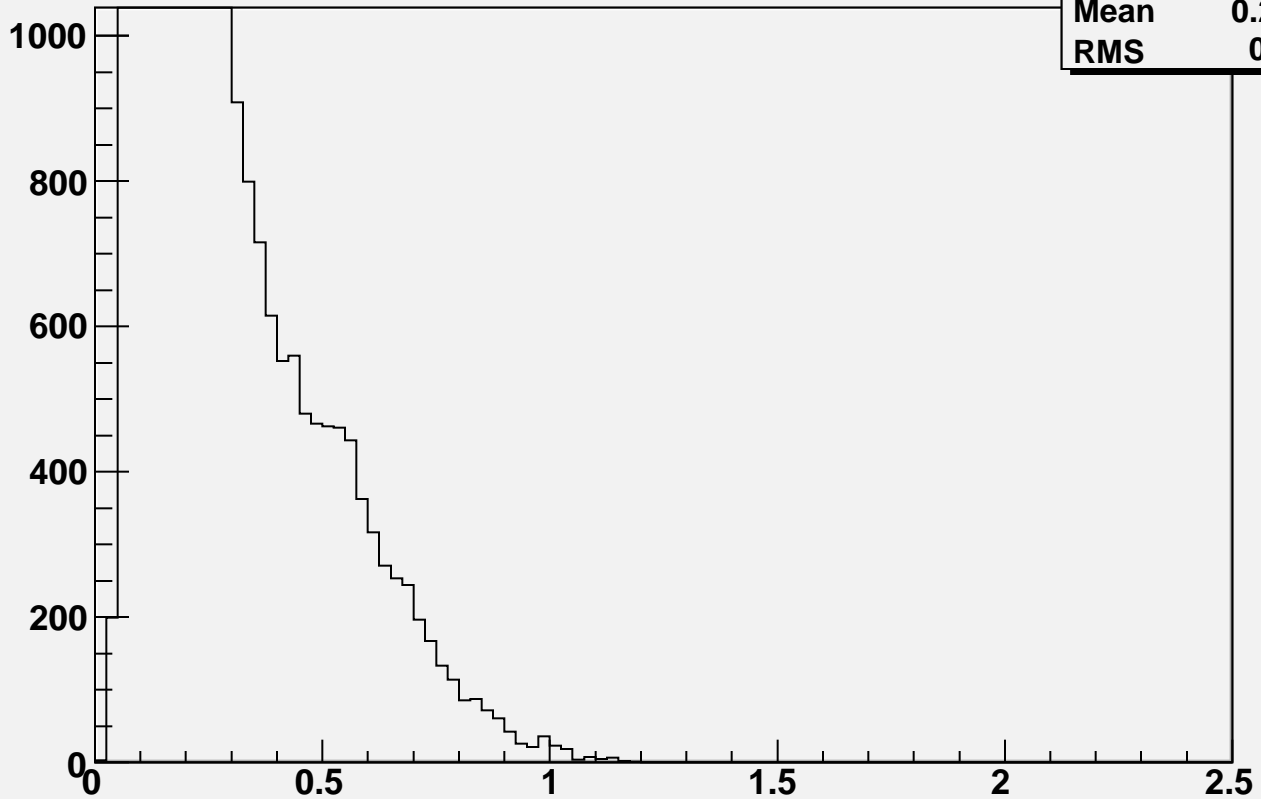


$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 20.000000) < 5 \text{ \&\& } \text{abs}(\text{Eta} - 2.700000) < .05$



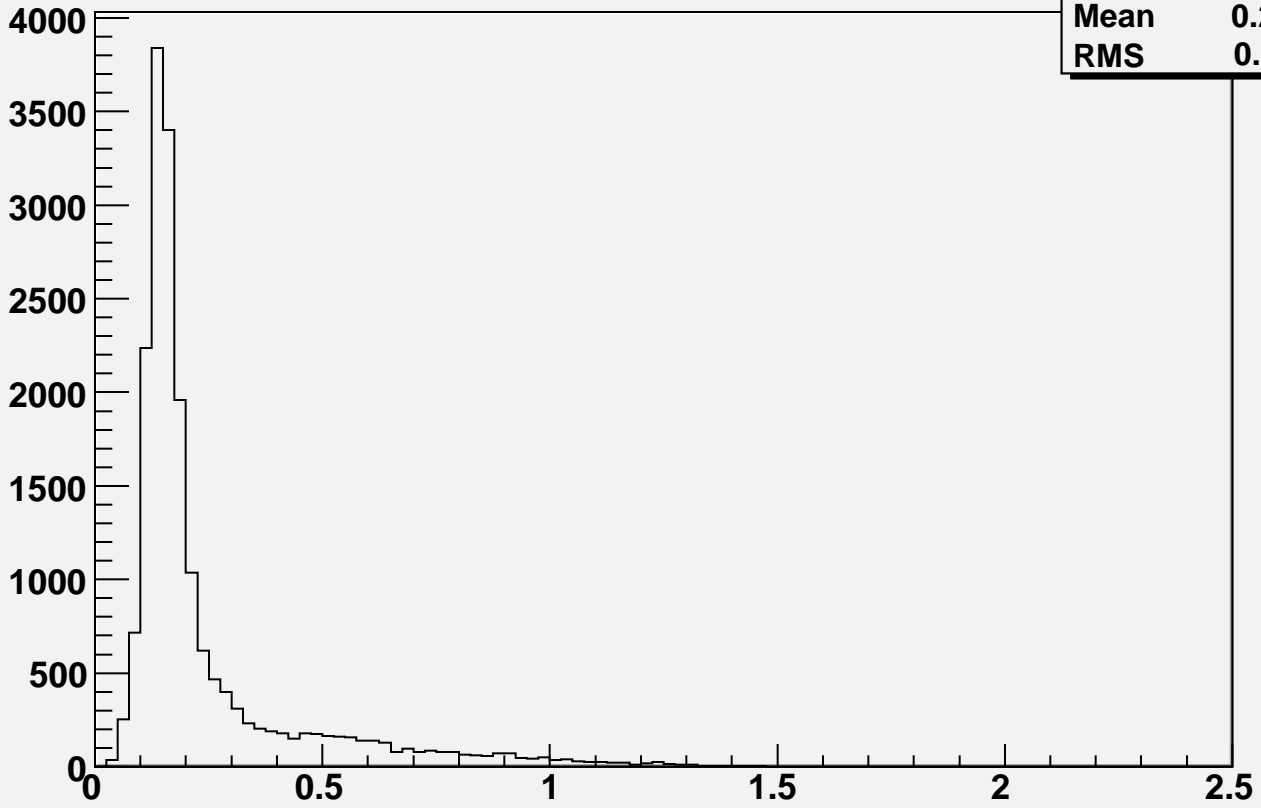
h1	
Entries	50607
Mean	0.2073
RMS	0.159

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



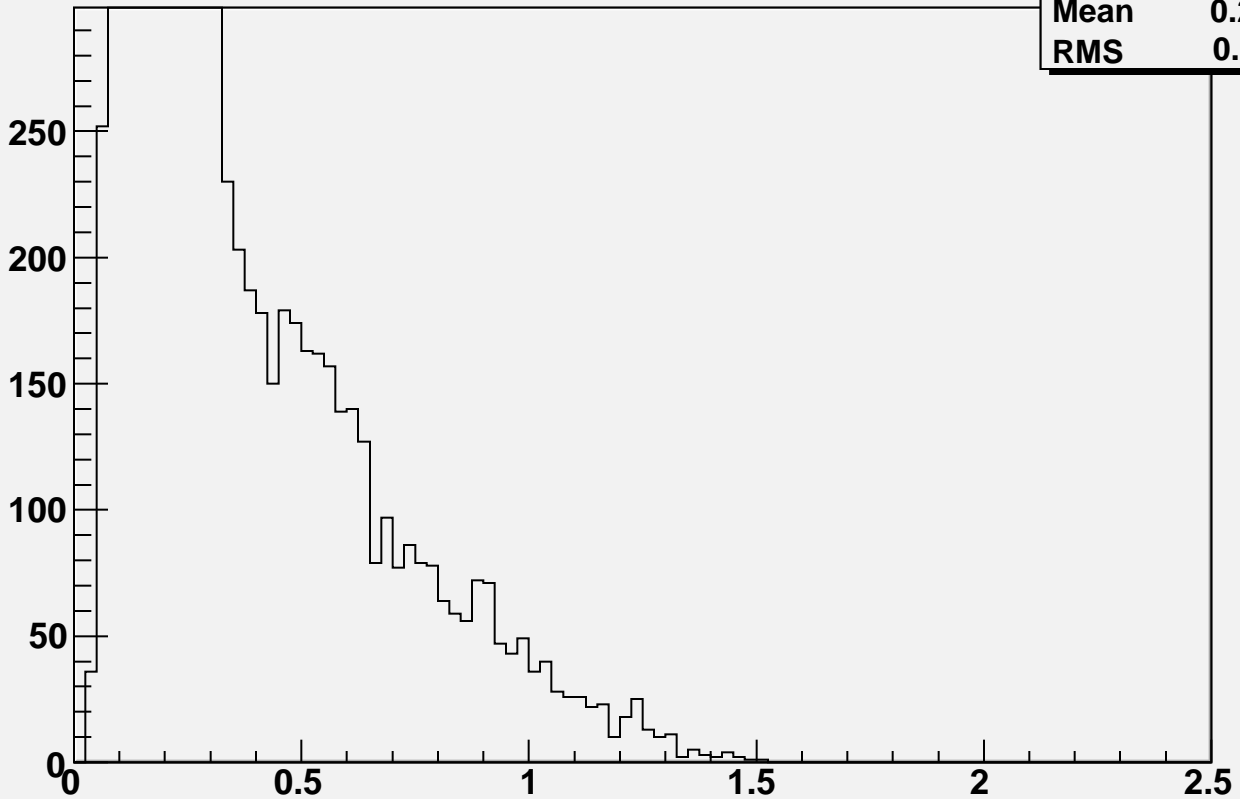
h2	
Entries	50607
Mean	0.2073
RMS	0.159

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



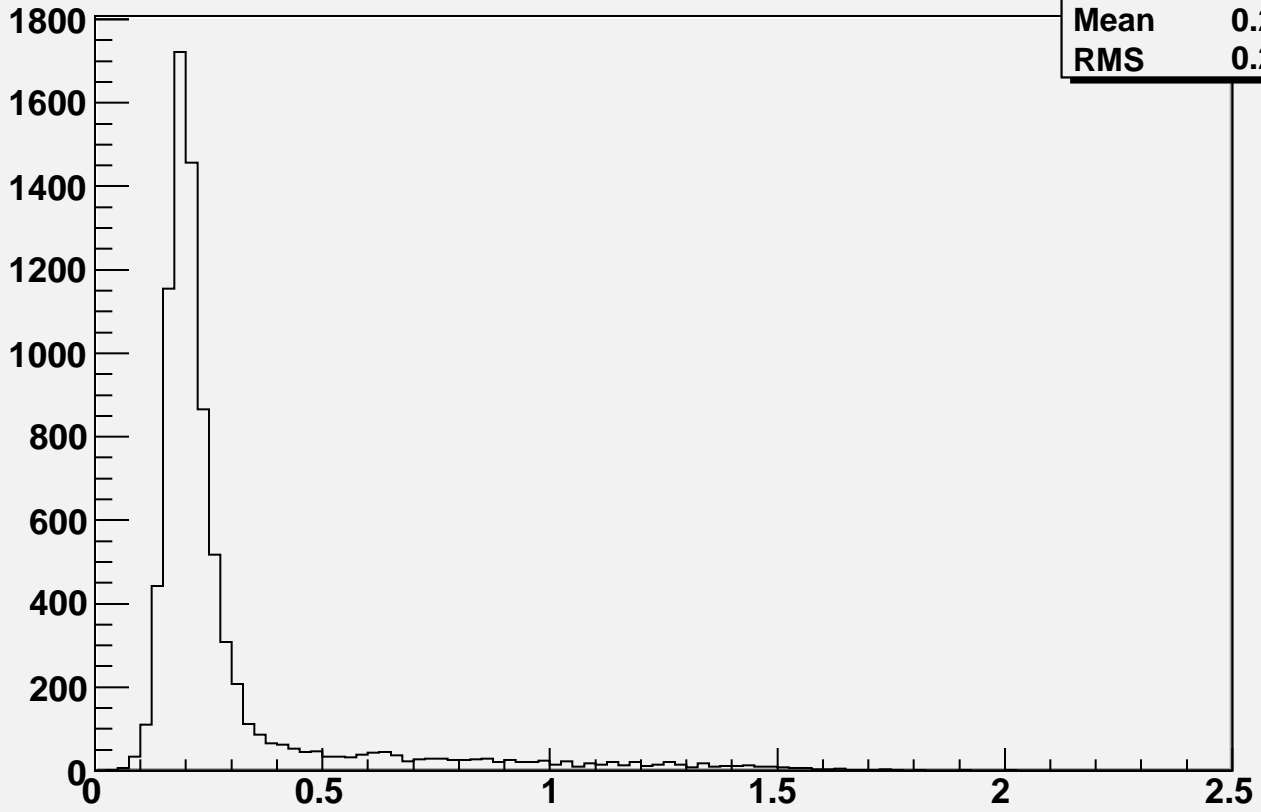
h1	
Entries	18729
Mean	0.2479
RMS	0.2119

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



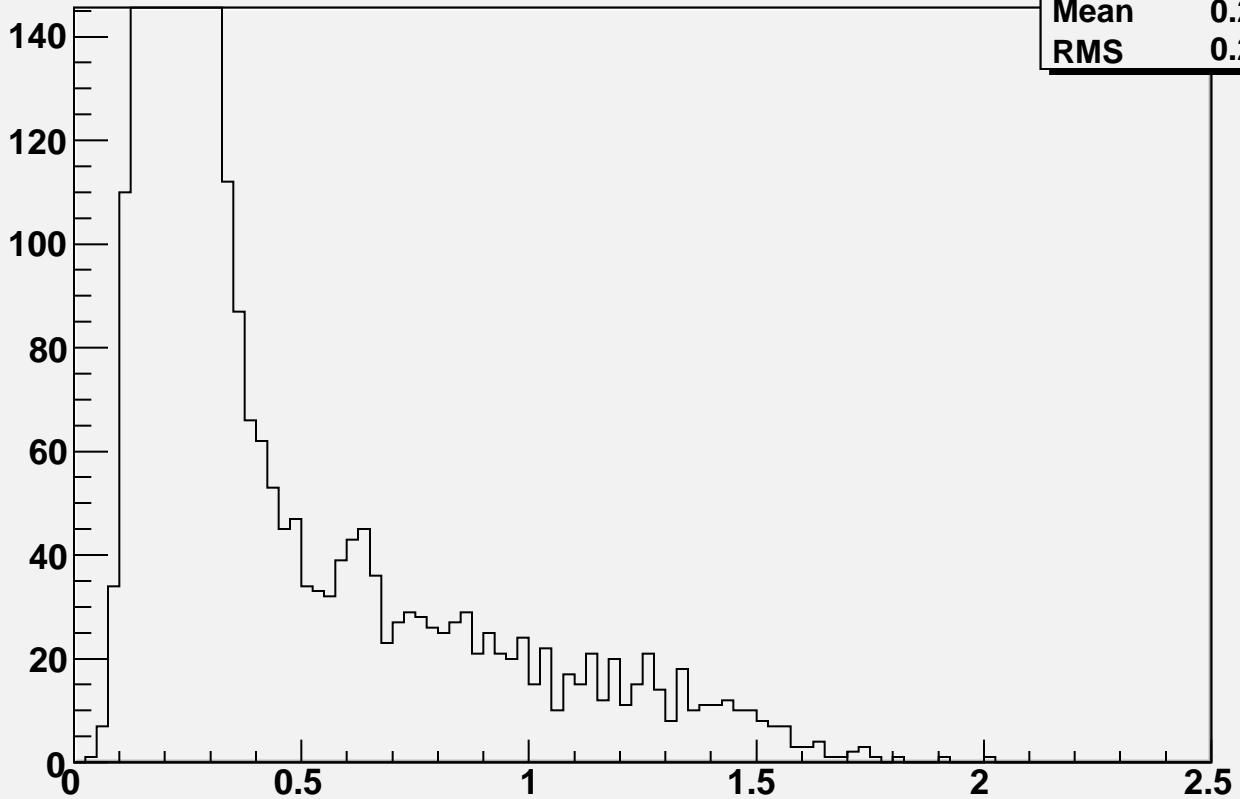
h2	
Entries	18729
Mean	0.2479
RMS	0.2119

$N_{12} = 2 \times Z < 0.7 \times \text{abs}(E_{12} - 40.000000) < 5 \times \text{abs}(\text{Eta} - 2.700000) < 0.05$



h1	
Entries	8211
Mean	0.2949
RMS	0.2524

$N_{12} = 2 \times Z < 0.7 \times \text{abs}(E_{12} - 40.000000) < 5 \times \text{abs}(\text{Eta} - 2.700000) < 0.05$

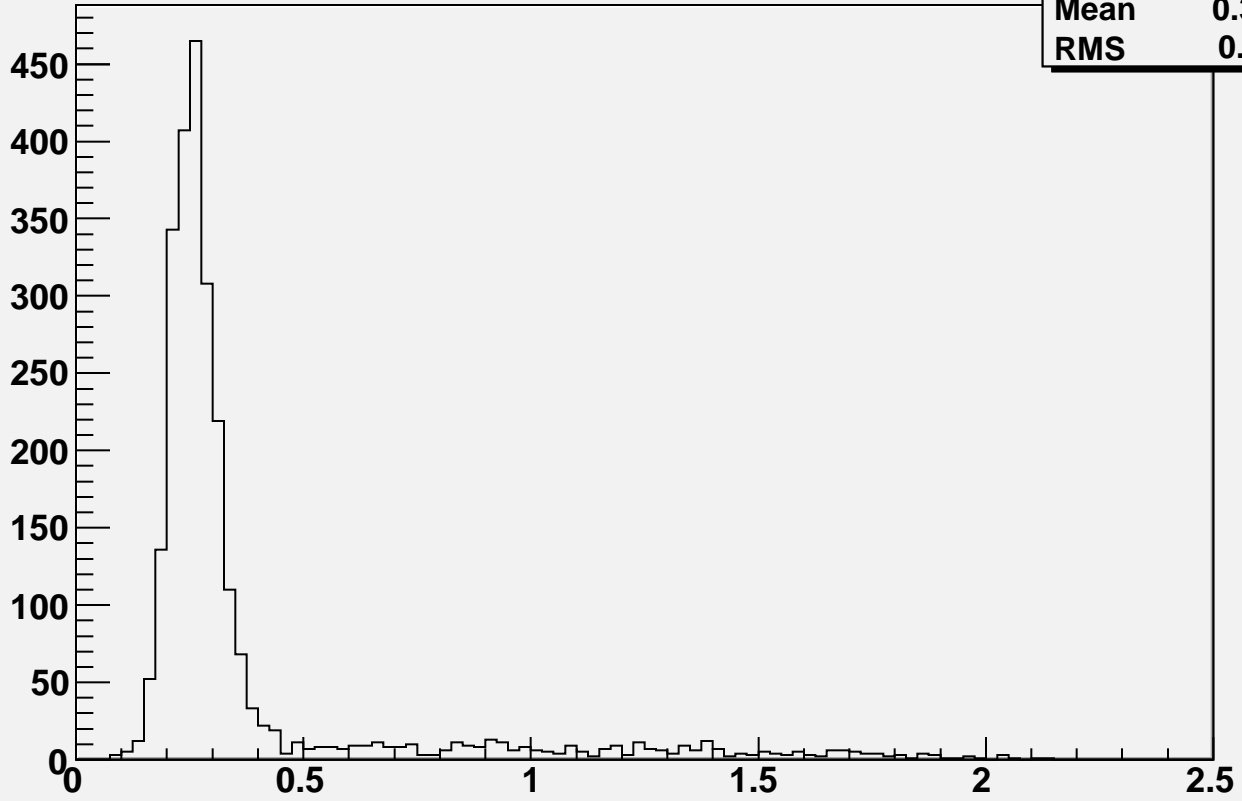


h2	
Entries	8211
Mean	0.2949
RMS	0.2524

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

h1

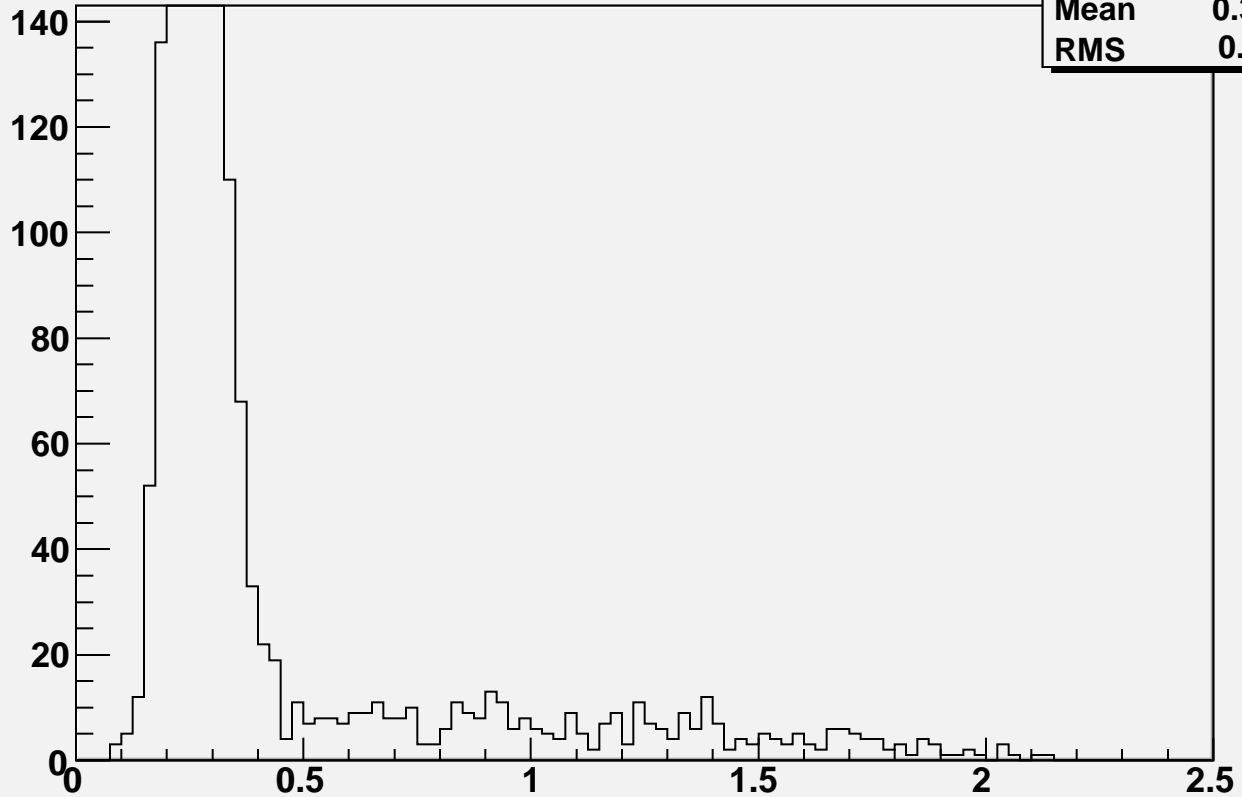
Entries	2573
Mean	0.3817
RMS	0.3351



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

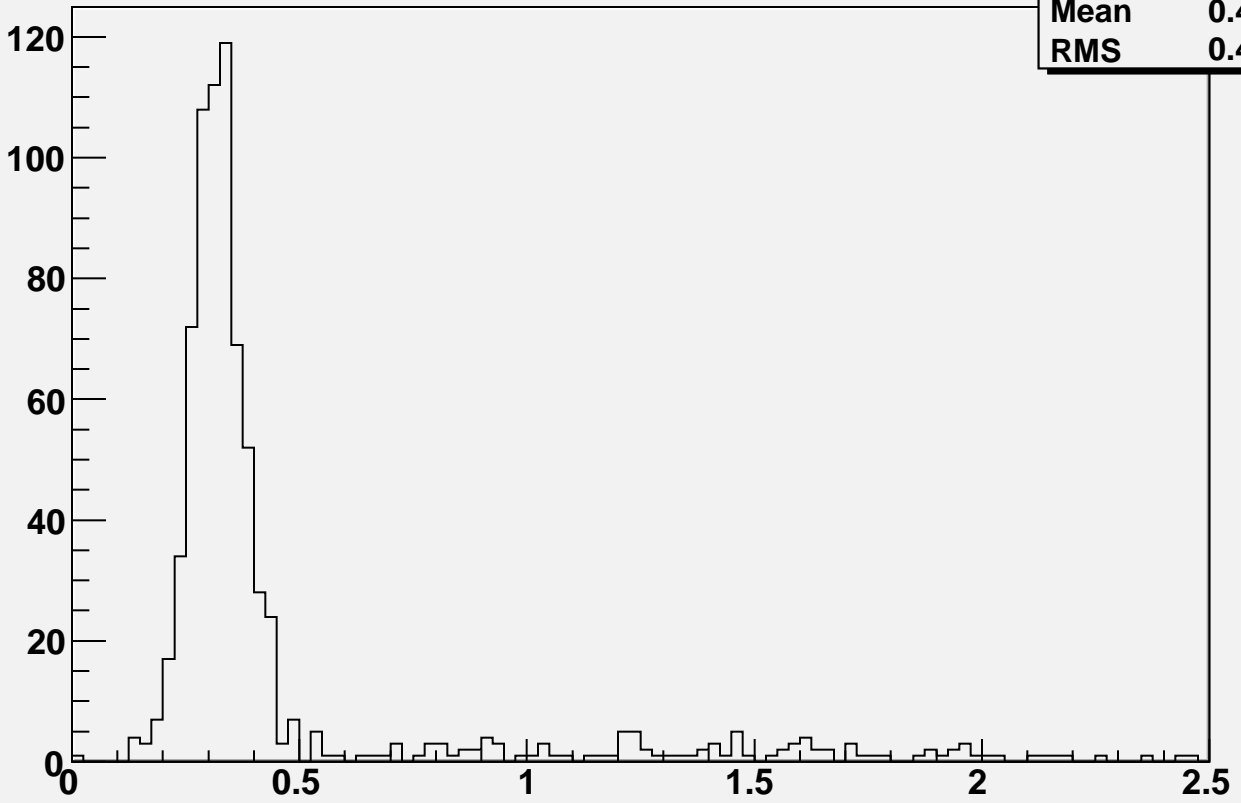
h2

Entries	2573
Mean	0.3817
RMS	0.3351



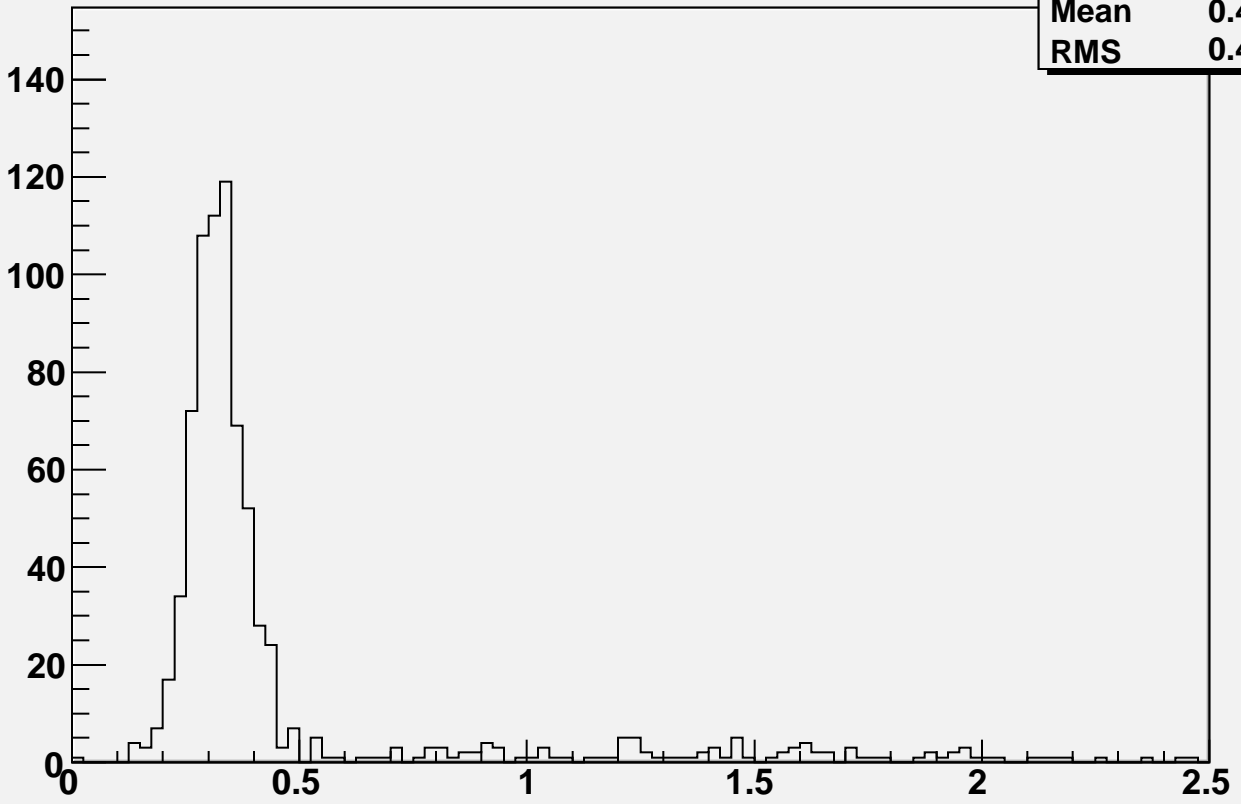
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 60.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 2.700000) < .05$

h1	
Entries	770
Mean	0.4646
RMS	0.4033



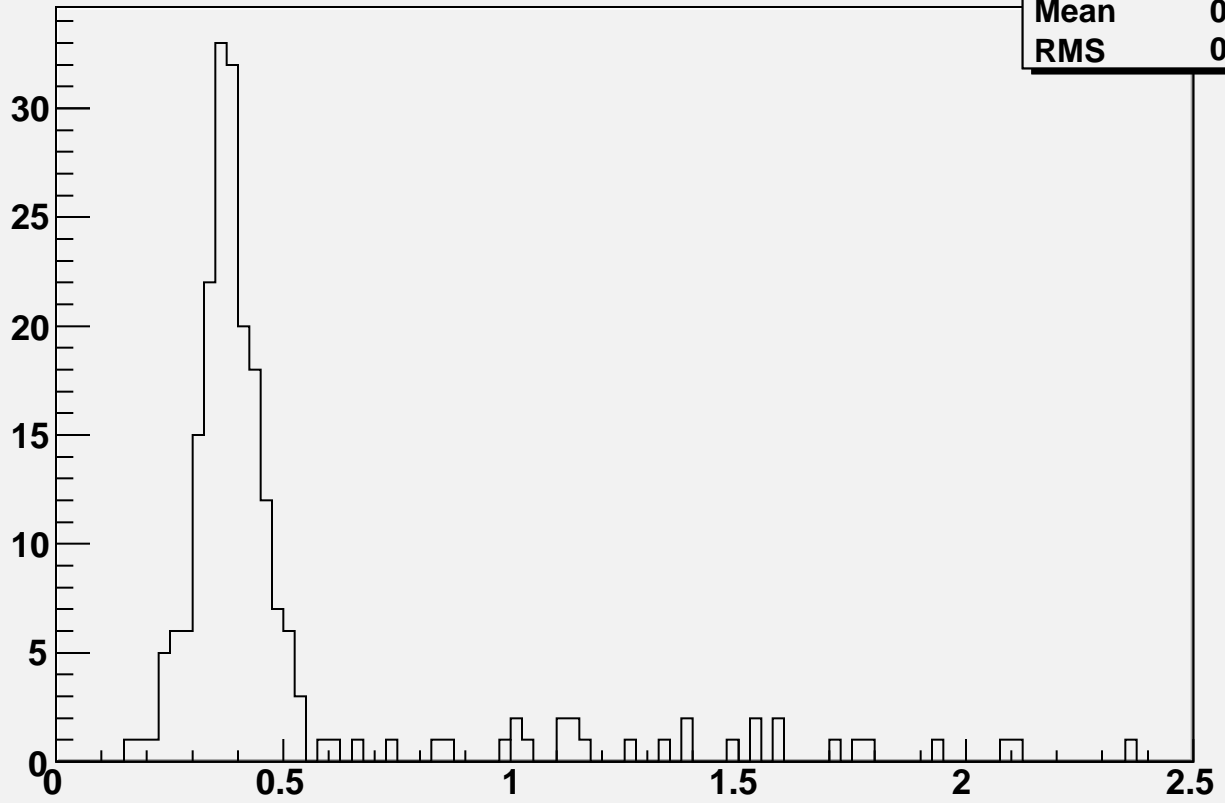
$N_{12} = 2 \text{ \&\& } Z < .7 \text{ \&\& } \text{abs}(E_{12} - 60.000000) < 5. \text{ \&\& } \text{abs}(\text{Eta} - 2.700000) < .05$

h2	
Entries	770
Mean	0.4646
RMS	0.4033



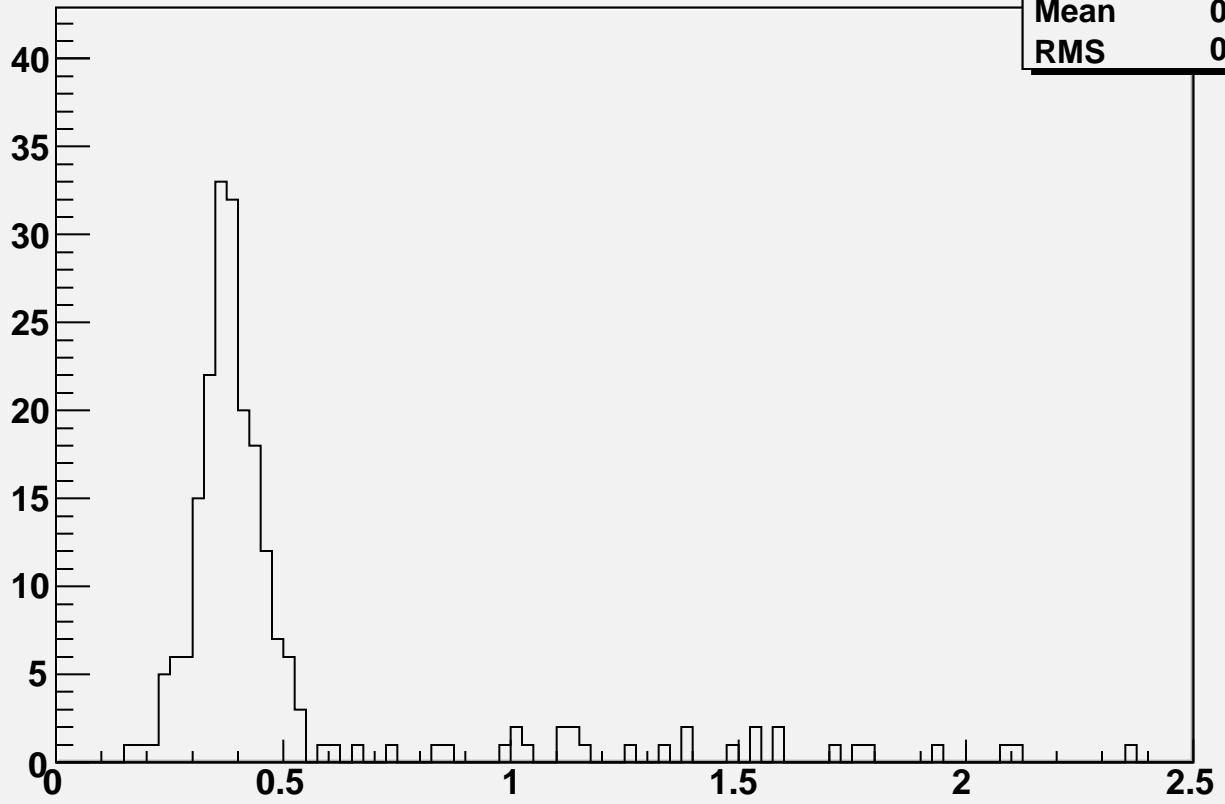
$N_{12} = 2 \text{ \&Z} < .7 \text{ \&abs}(E_{12} - 70.000000) < 5. \text{ \&abs}(\text{Eta} - 2.700000) < .05$

h1	
Entries	220
Mean	0.512
RMS	0.374



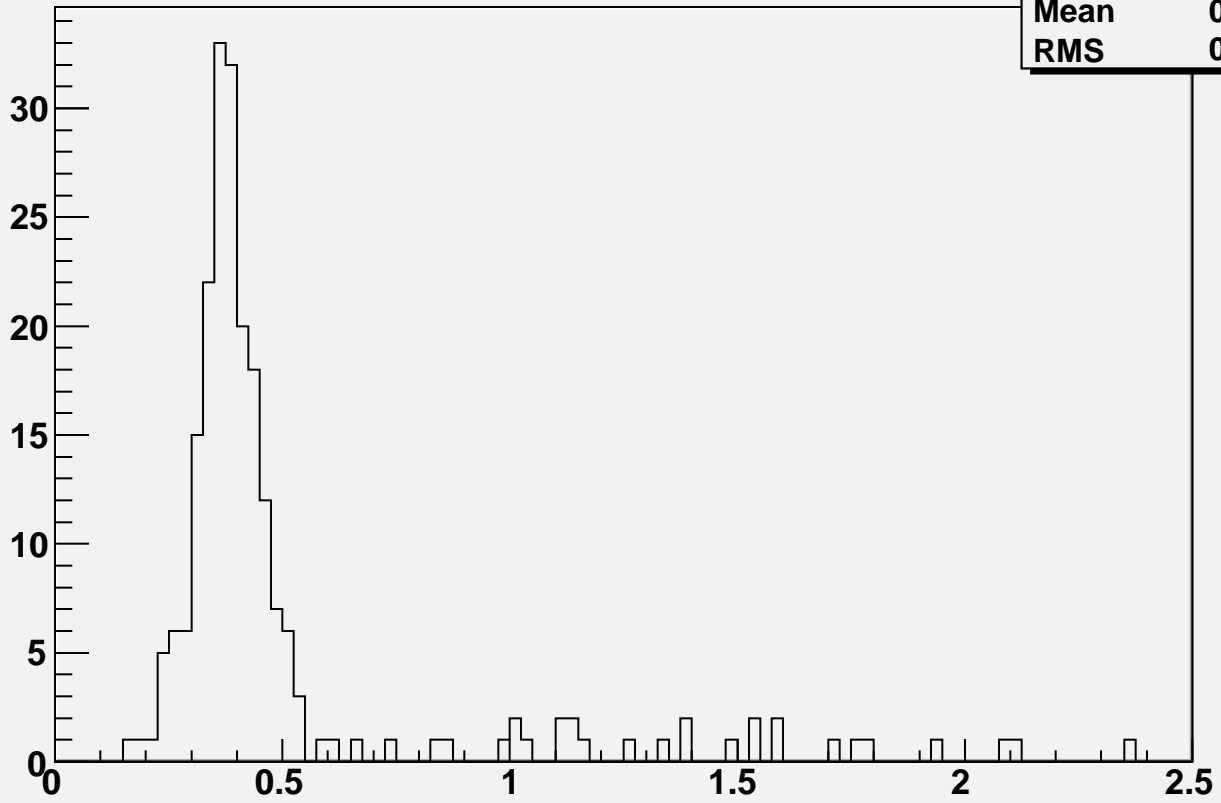
$N_{12} = 2 \text{ \&Z} < .7 \text{ \&abs}(E_{12} - 70.000000) < 5. \text{ \&abs}(\text{Eta} - 2.700000) < .05$

h2	
Entries	220
Mean	0.512
RMS	0.374



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

h1	
Entries	220
Mean	0.512
RMS	0.374



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

h2	
Entries	220
Mean	0.512
RMS	0.374

