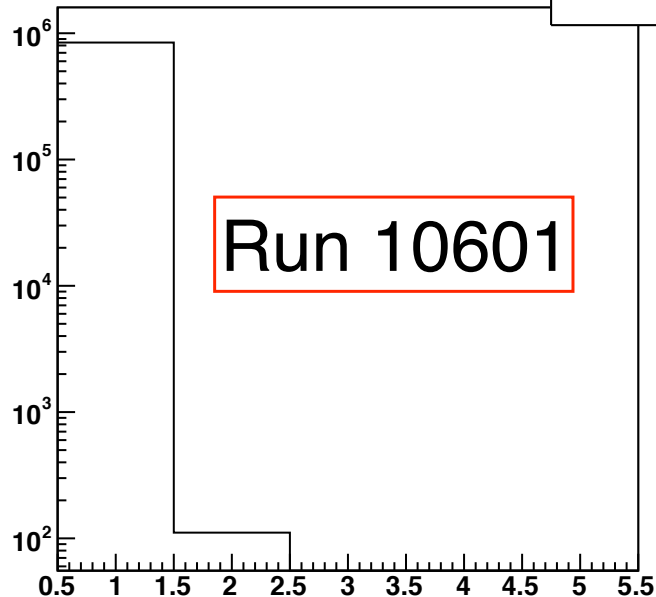


T.shms.pFADC\_TREF\_ROC2\_adcMultiplicity

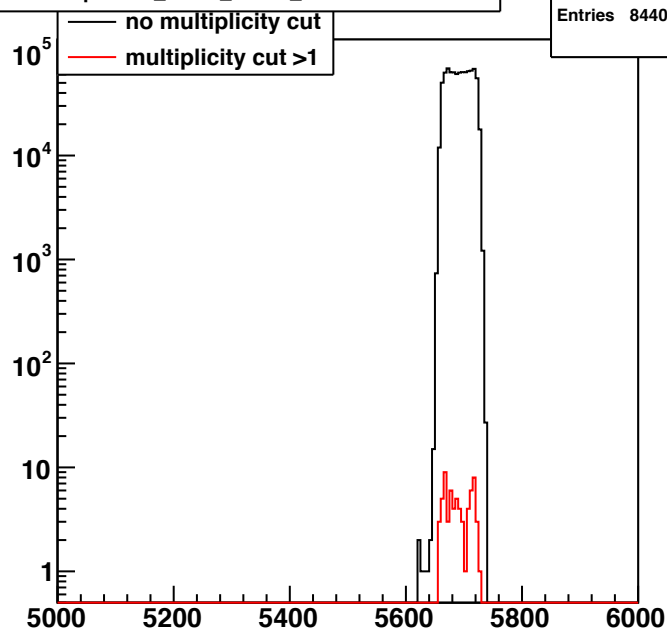
Entries 844070



Run 10601

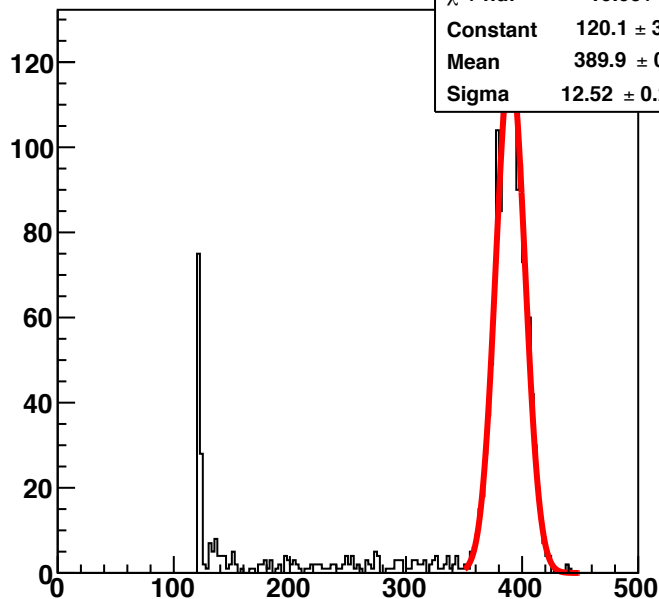
T.shms.pFADC\_TREF\_ROC2\_adcPulseTimeRaw

Entries 844070



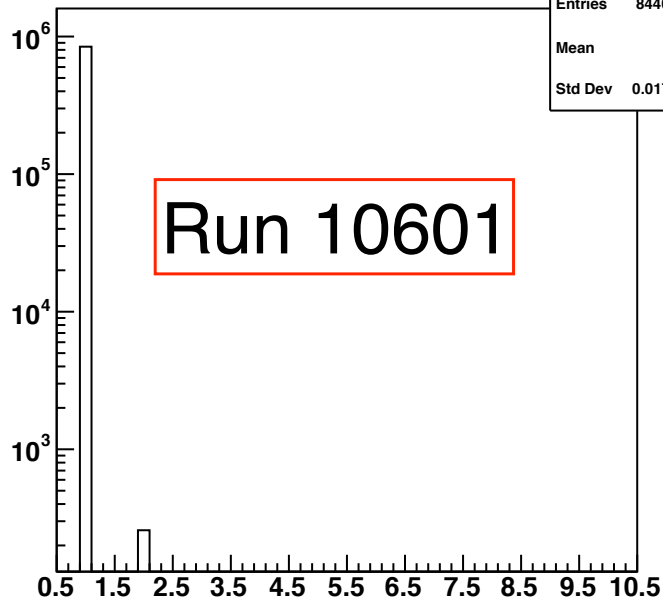
P.pTRIG1.scalerRate

Entries	1808
$\chi^2 / \text{ndf}$	19.96 / 30
Constant	$120.1 \pm 3.8$
Mean	$389.9 \pm 0.3$
Sigma	$12.52 \pm 0.24$

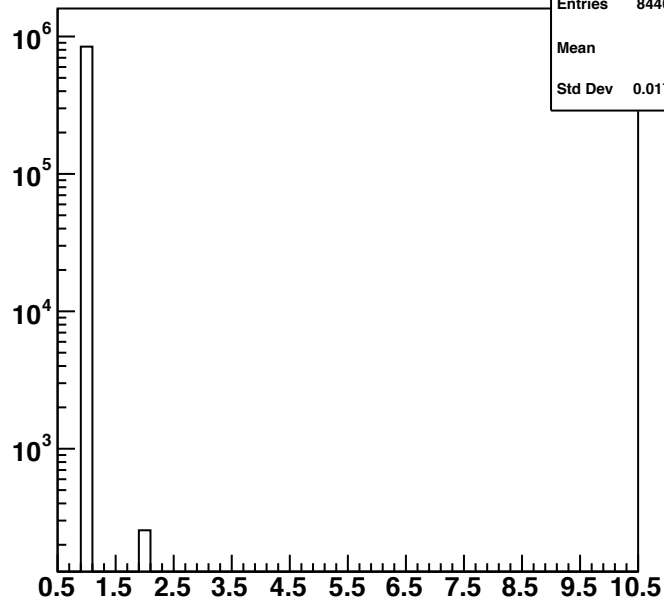


10601: 1 pass elastic  
09781: 5 pass DIS

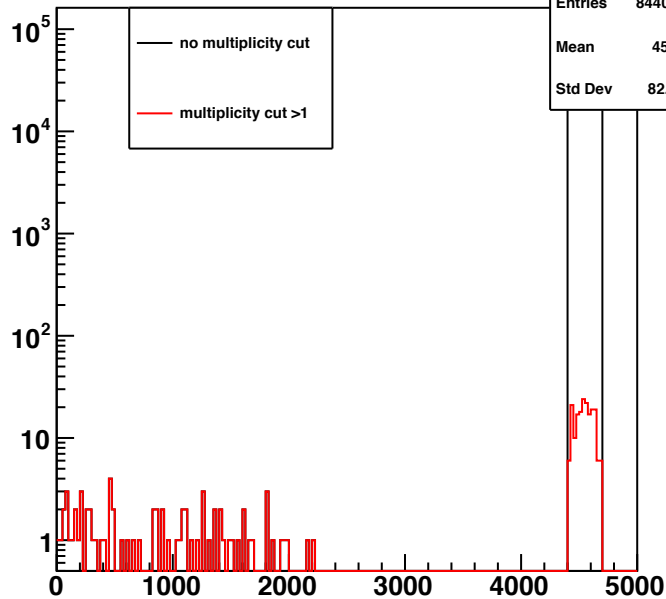
by Junhao Chen

**T.shms.pT1\_tdcMultiplicity****pT1\_mult**

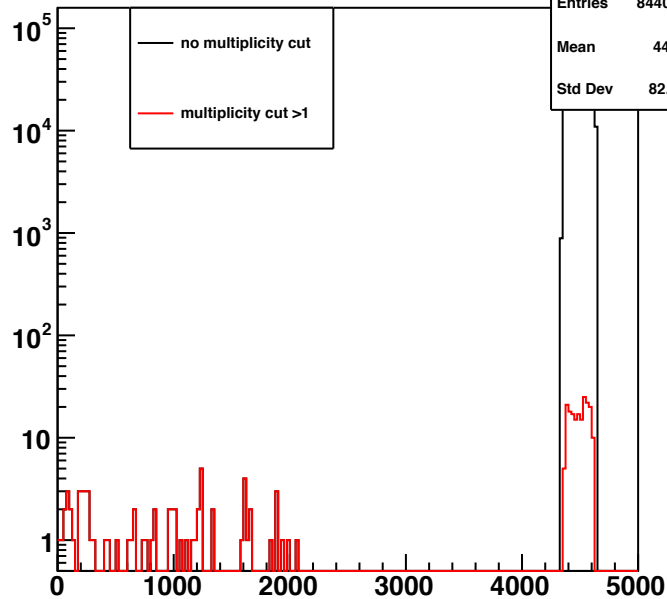
Entries	844070
Mean	1
Std Dev	0.01748

**T.shms.pT2\_tdcMultiplicity****pT2\_mult**

Entries	844070
Mean	1
Std Dev	0.01738

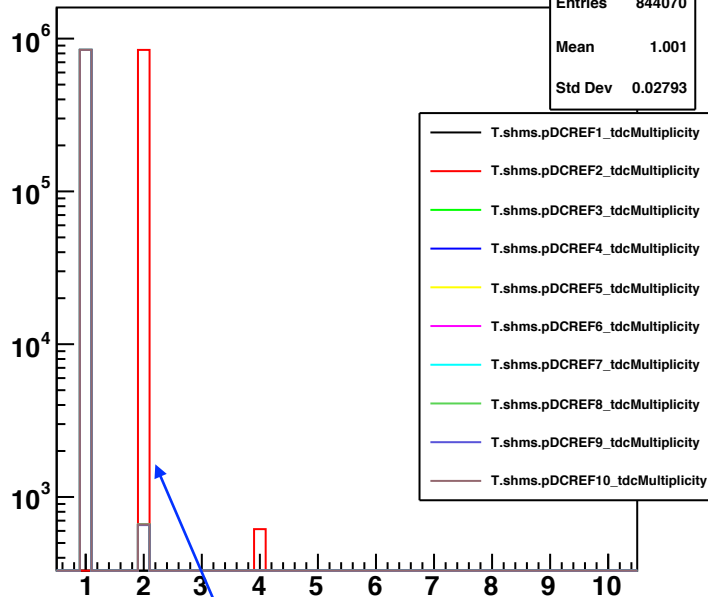
**T.shms.pT1\_tdcTimeRaw****pT1\_traw**

Entries	844070
Mean	4549
Std Dev	82.34

**T.shms.pT2\_tdcTimeRaw****pT2\_traw**

Entries	844070
Mean	4493
Std Dev	82.02

T.shms.pDCREF[1-10]\_tdcMultiplicity



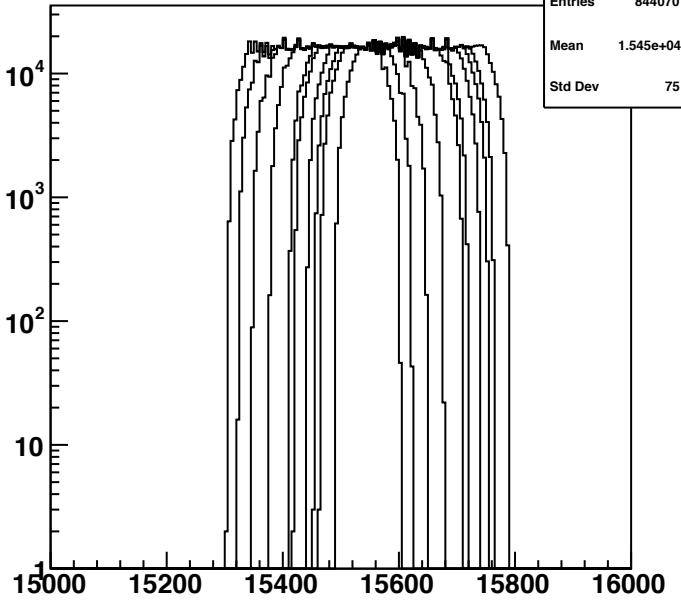
pDCREF1\_tmult

Entries	Mean	Std Dev
844070	1.001	0.02793

- T.shms.pDCREF1\_tdcMultiplicity
- T.shms.pDCREF2\_tdcMultiplicity
- T.shms.pDCREF3\_tdcMultiplicity
- T.shms.pDCREF4\_tdcMultiplicity
- T.shms.pDCREF5\_tdcMultiplicity
- T.shms.pDCREF6\_tdcMultiplicity
- T.shms.pDCREF7\_tdcMultiplicity
- T.shms.pDCREF8\_tdcMultiplicity
- T.shms.pDCREF9\_tdcMultiplicity
- T.shms.pDCREF10\_tdcMultiplicity

Only the pDCREF2 has the two dominant tdc multiplicity

T.shms.pDCREF[1-10]\_tdcTimeRaw

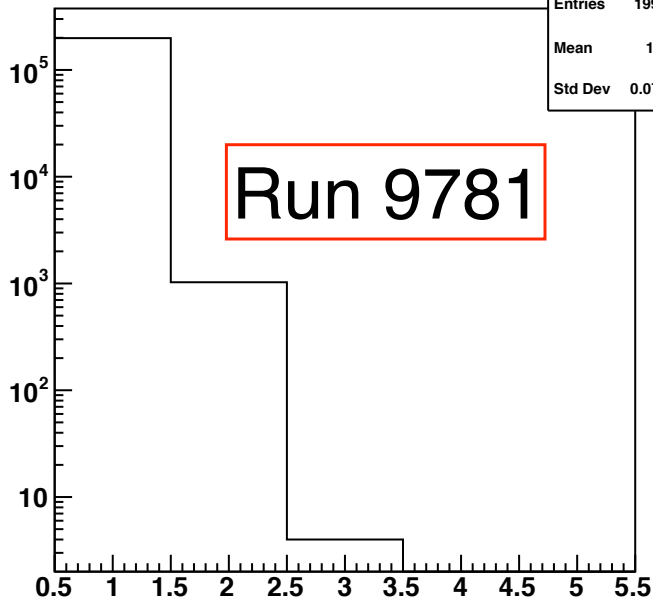


pDCREF1\_traw

Entries	Mean	Std Dev
844070	1.545e+04	75

Run 10601

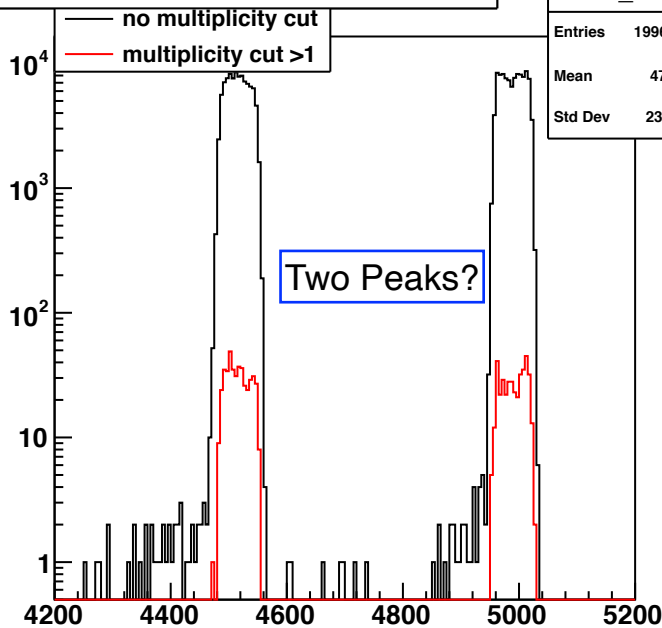
T.shms.pFADC\_TREF\_ROC2\_adcMultiplicity



fADC\_mult

Entries	199644
Mean	1.005
Std Dev	0.07209

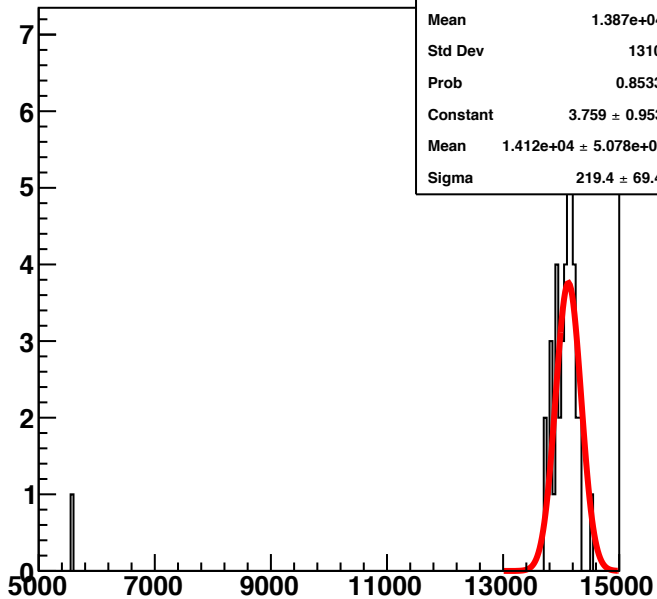
T.shms.pFADC\_TREF\_ROC2\_adcPulseTimeRaw



fADC\_traw

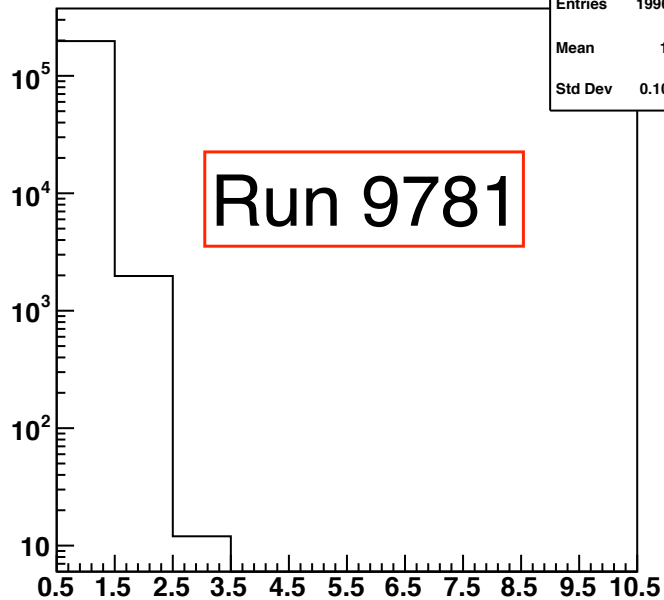
Entries	199644
Mean	4759
Std Dev	237.5

P.pTRIG1.scalerRate

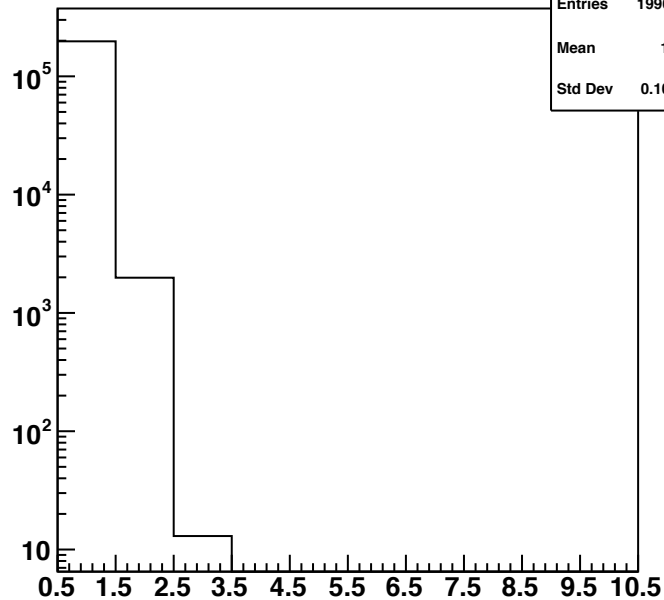


ps1\_rate

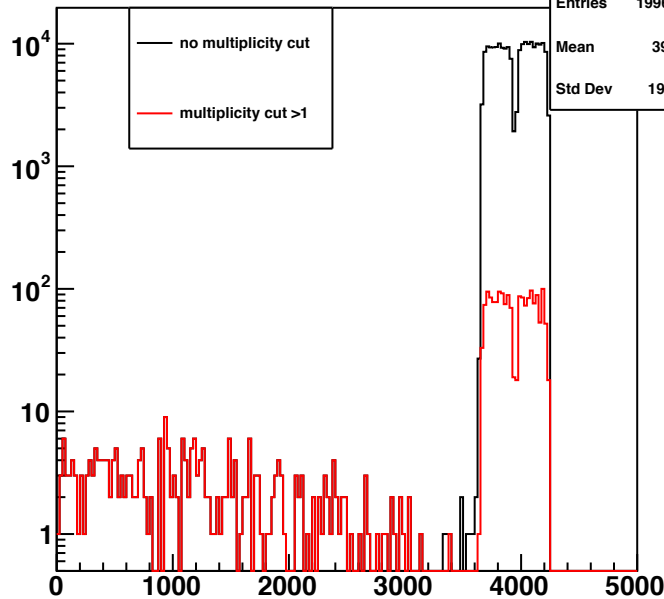
Entries	42
Mean	1.387e+04
Std Dev	1310
Prob	0.8533
Constant	3.759 ± 0.953
Mean	1.412e+04 ± 5.078e+01
Sigma	219.4 ± 69.4

**T.shms.pT1\_tdcMultiplicity****pT1\_mult**

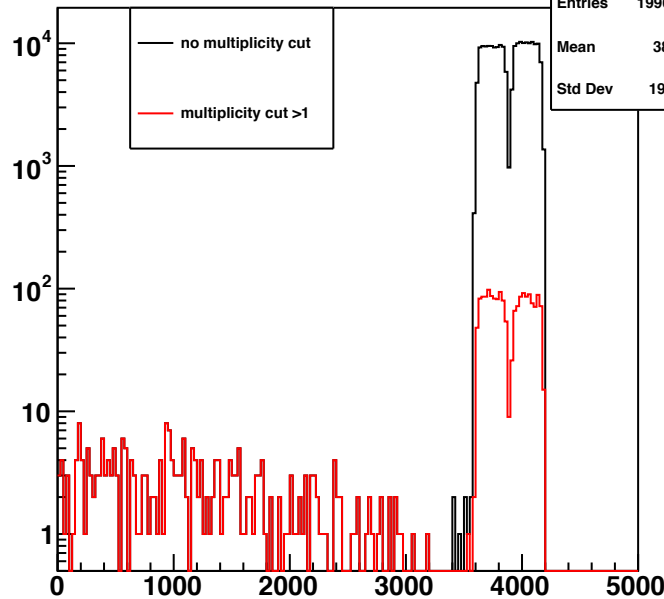
Entries	Mean	Std Dev
199644	1.01	0.1002

**T.shms.pT2\_tdcMultiplicity****pT2\_mult**

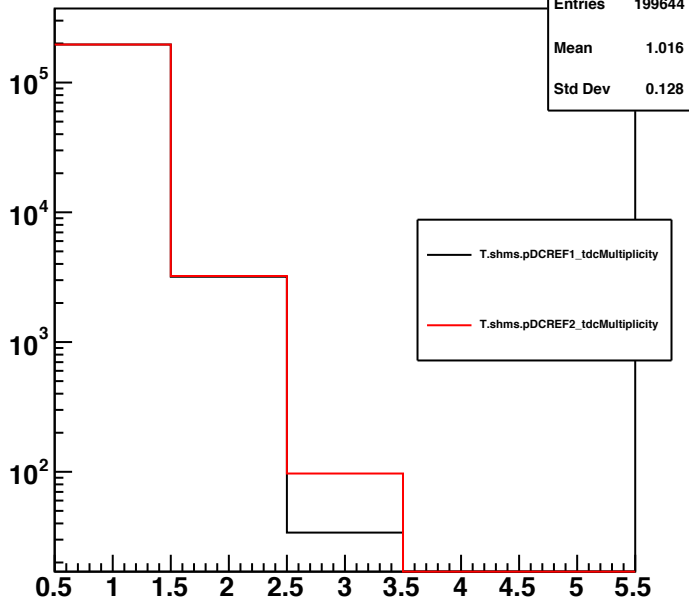
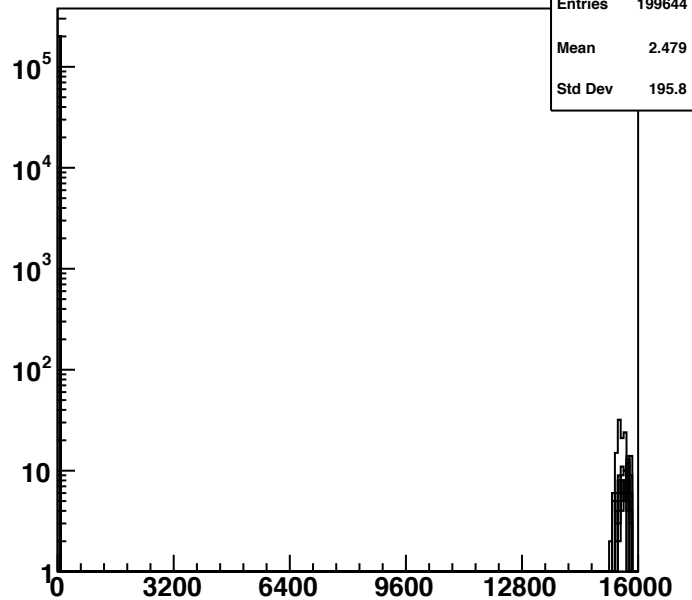
Entries	Mean	Std Dev
199644	1.01	0.1005

**T.shms.pT1\_tdcTimeRaw****pT1\_traw**

Entries	Mean	Std Dev
199644	3948	198.9

**T.shms.pT2\_tdcTimeRaw****pT2\_traw**

Entries	Mean	Std Dev
199644	3892	197.8

**T.shms.pDCREF[1-2]\_tdcMultiplicity****T.shms.pDCREF[1-10]\_tdcTimeRaw**

Run 9781

**Questions:**

1. Do we have to do the multiplicity cut if it is one dominant?  
What dose it mean in this case?

