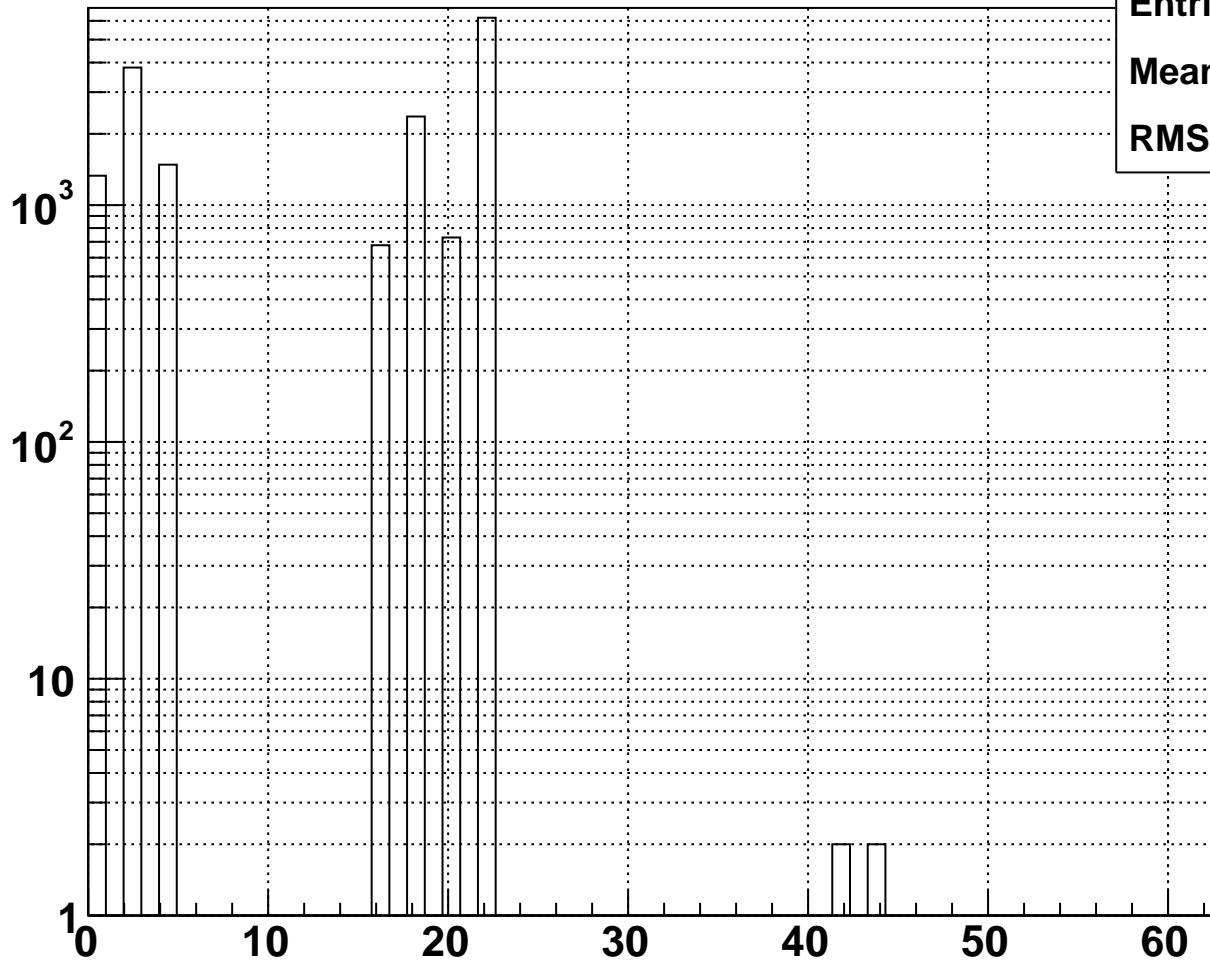


**fst\_EvtsByTrigger**



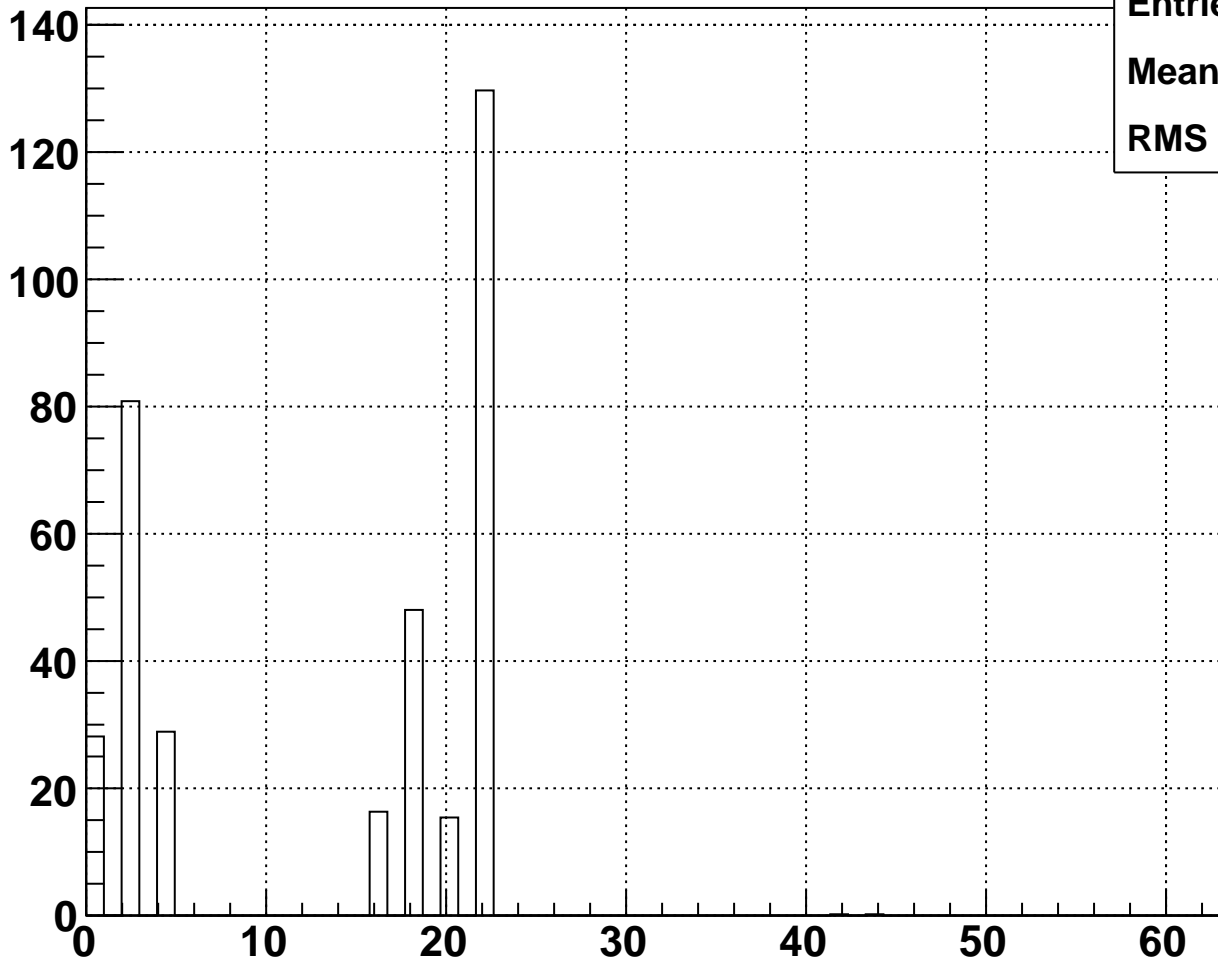
**fst\_EvtsByTrigger**

**Entries** 16586

**Mean** 13.13

**RMS** 9.224

# fst\_TimeByTrigger



fst\_TimeByTrigger

**Entries** 16586

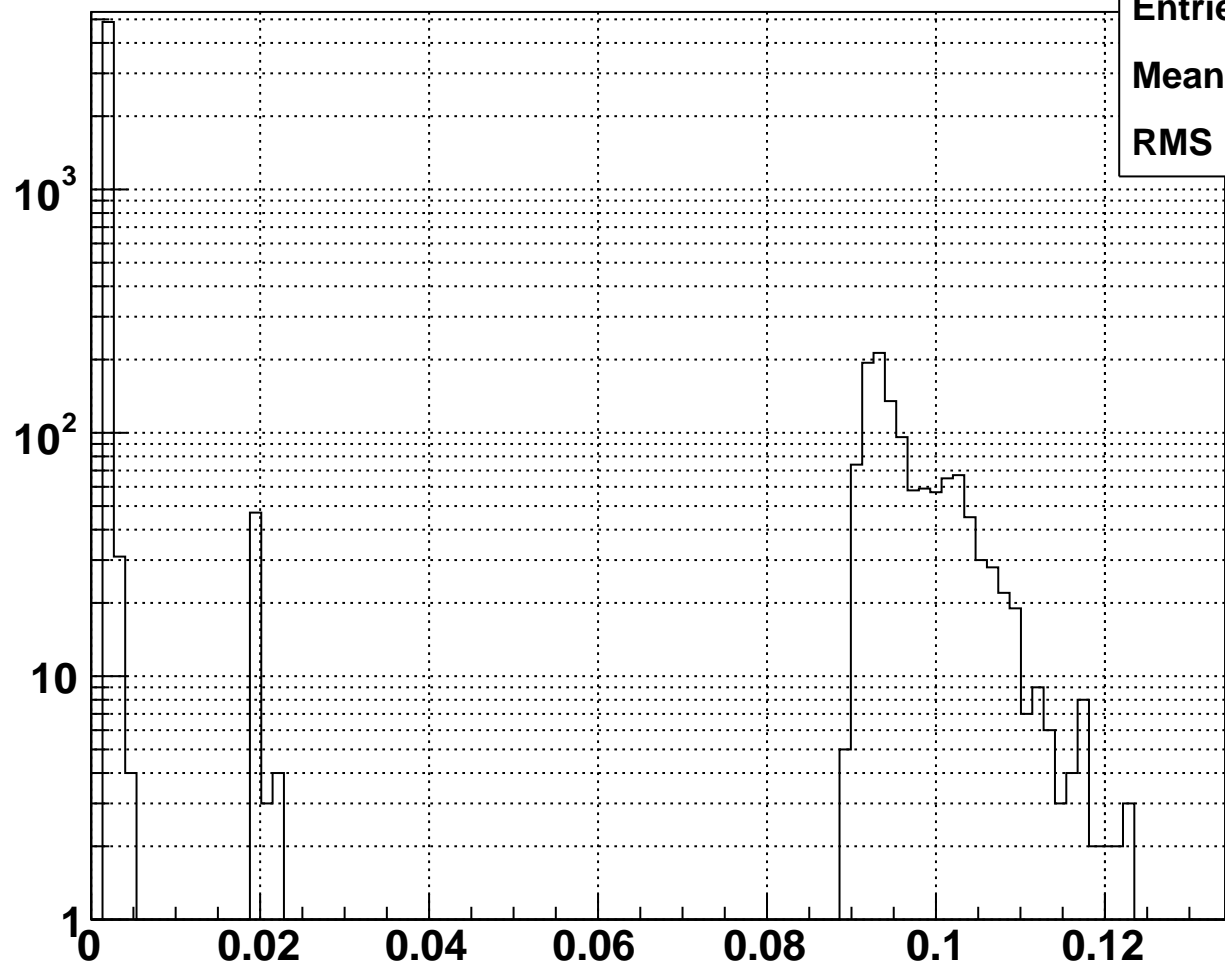
**Mean** 13.18

**RMS** 9.263

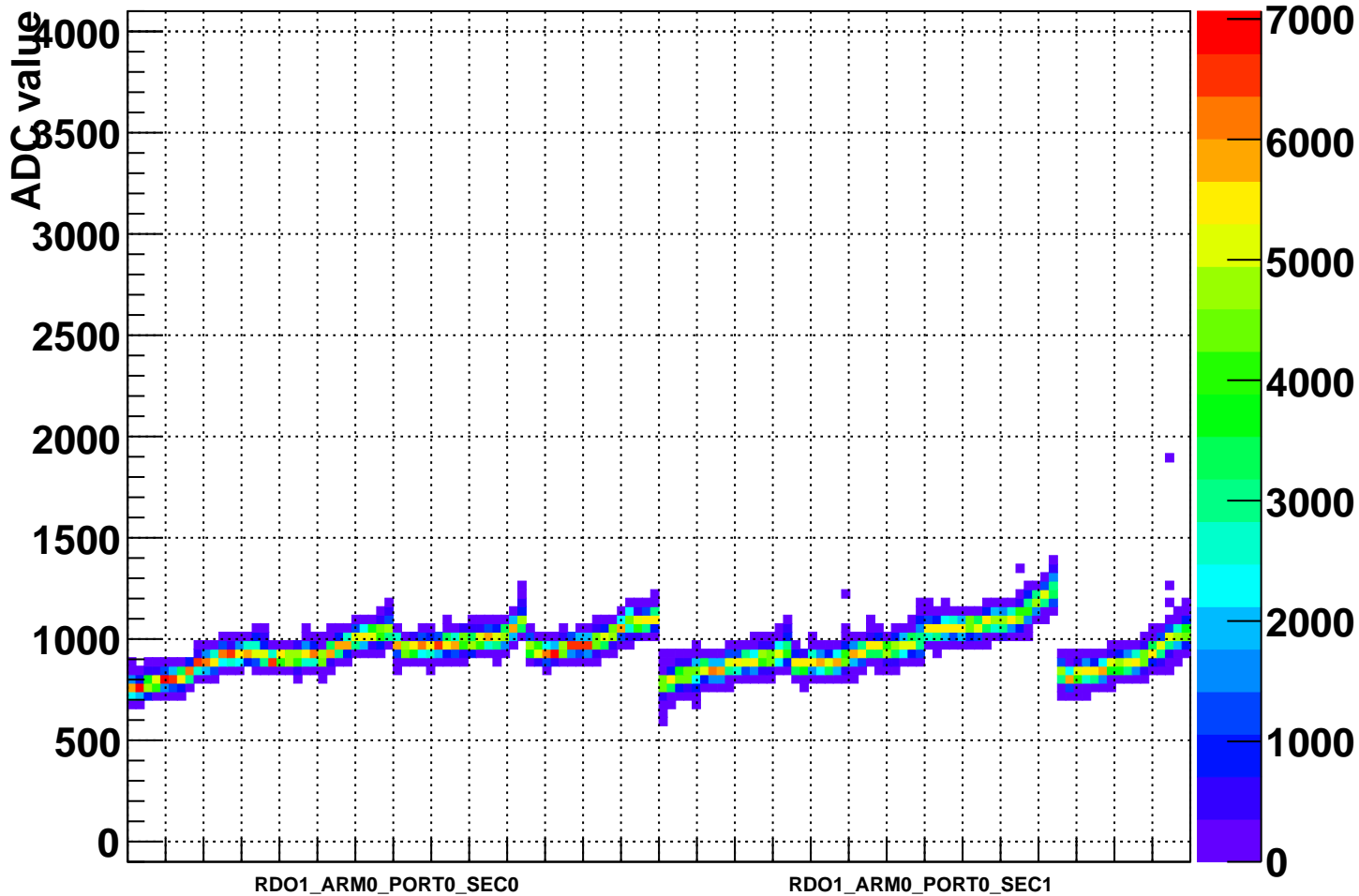
**fst\_Time**

**fst\_Time**

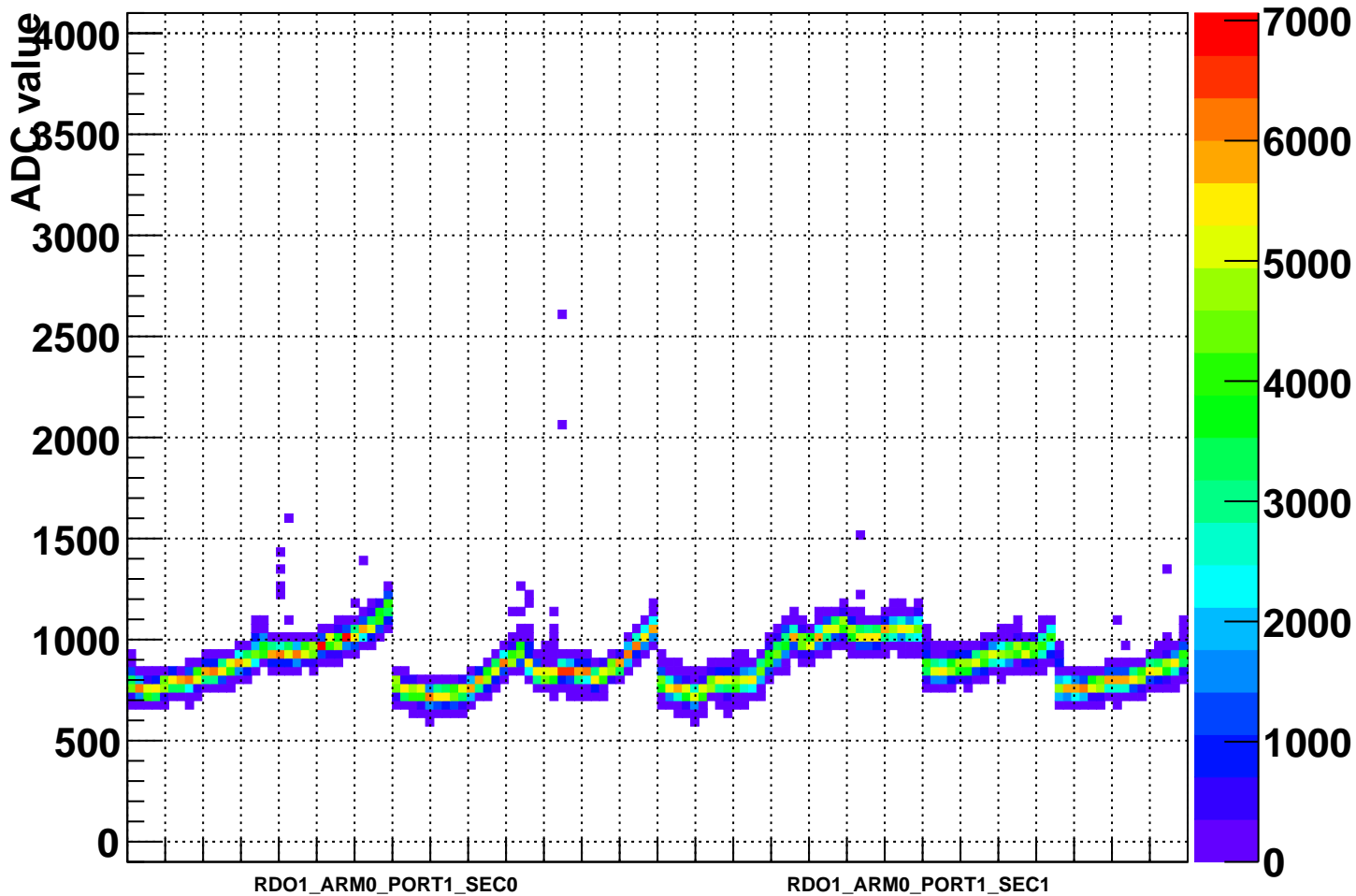
<b>Entries</b>	<b>6185</b>
<b>Mean</b>	<b>0.02076</b>
<b>RMS</b>	<b>0.03809</b>



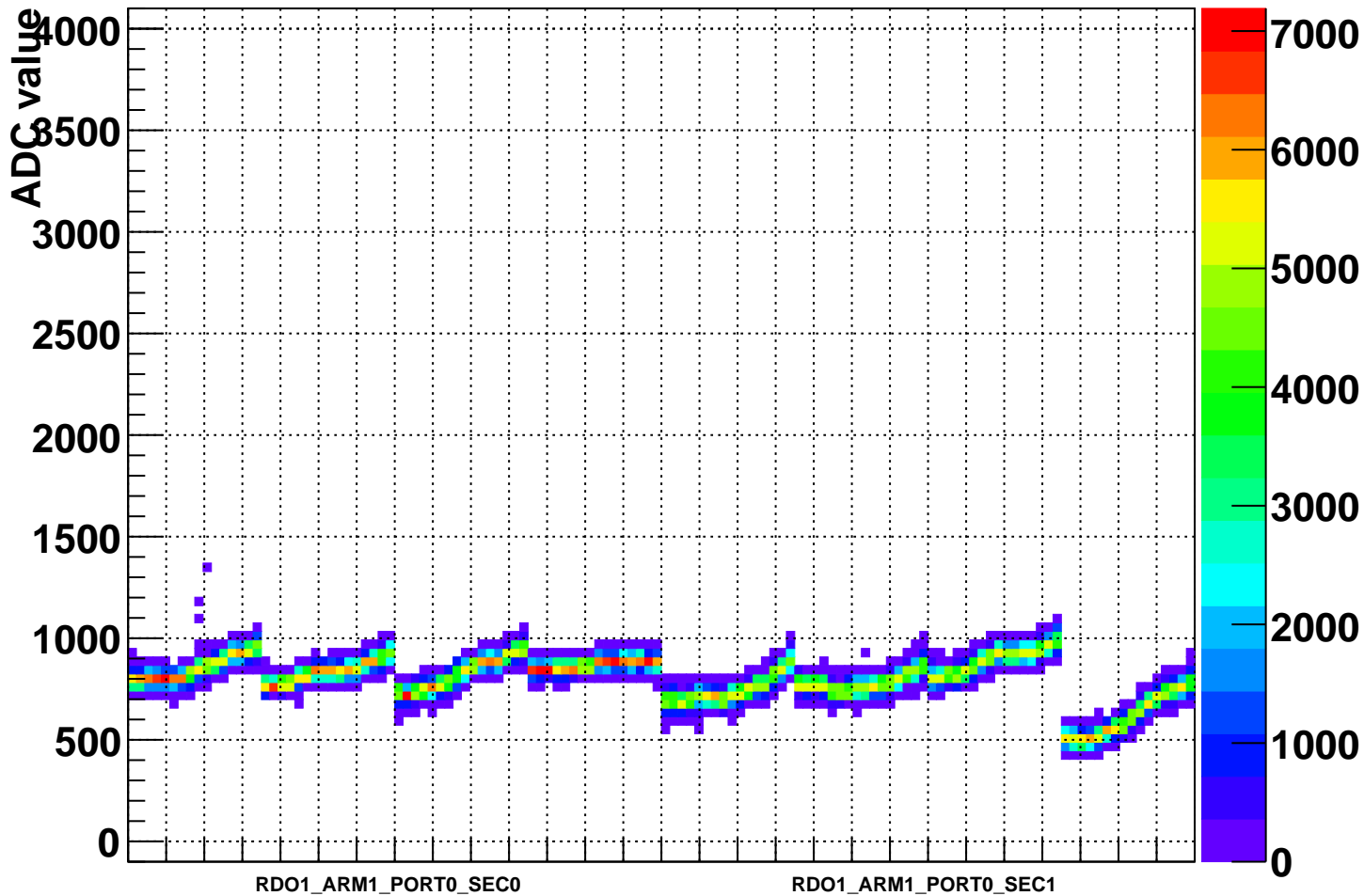
# FST - ADC vs Channel Id: Disk1 Module1



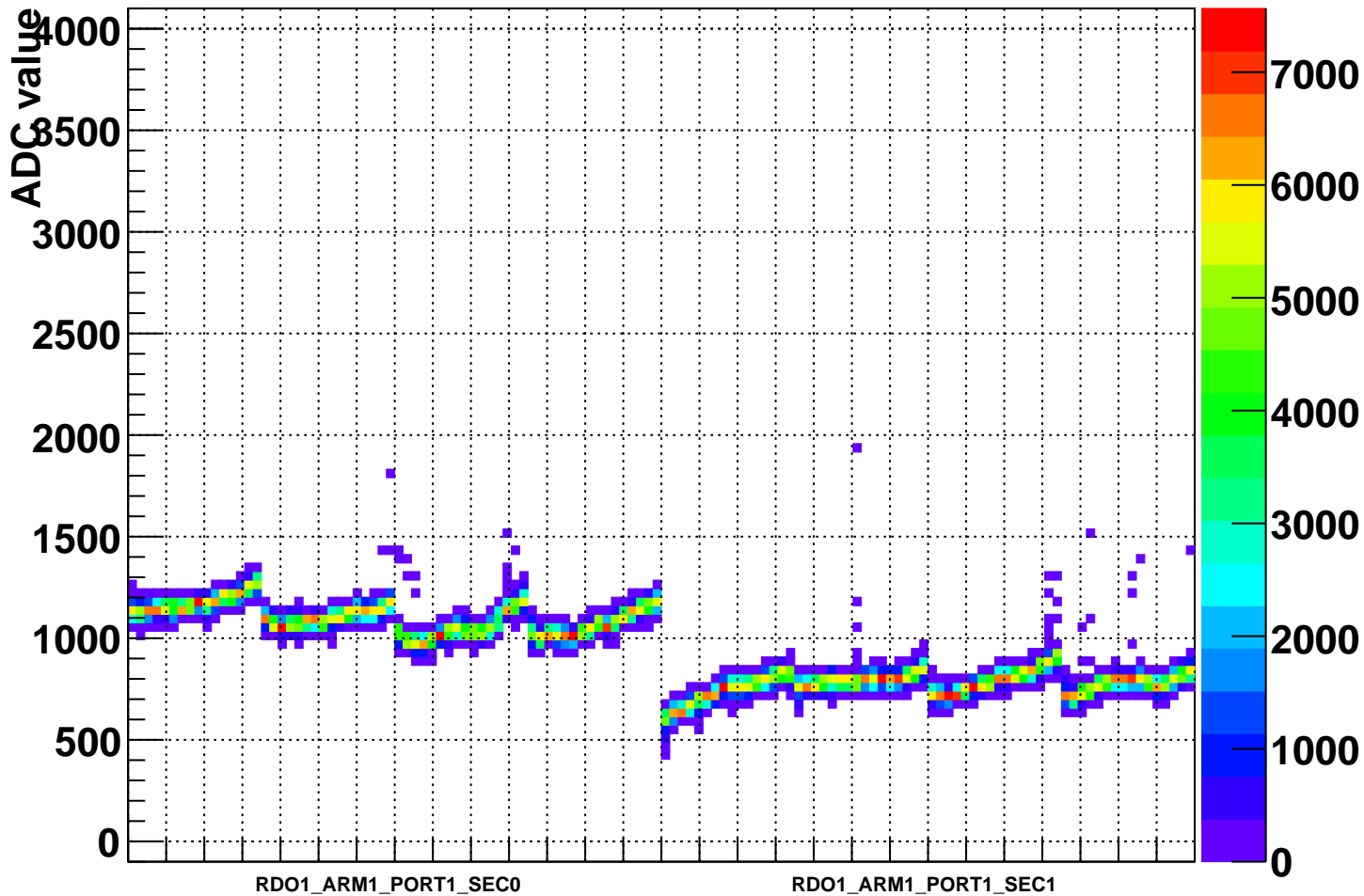
# FST - ADC vs Channel Id: Disk1 Module2



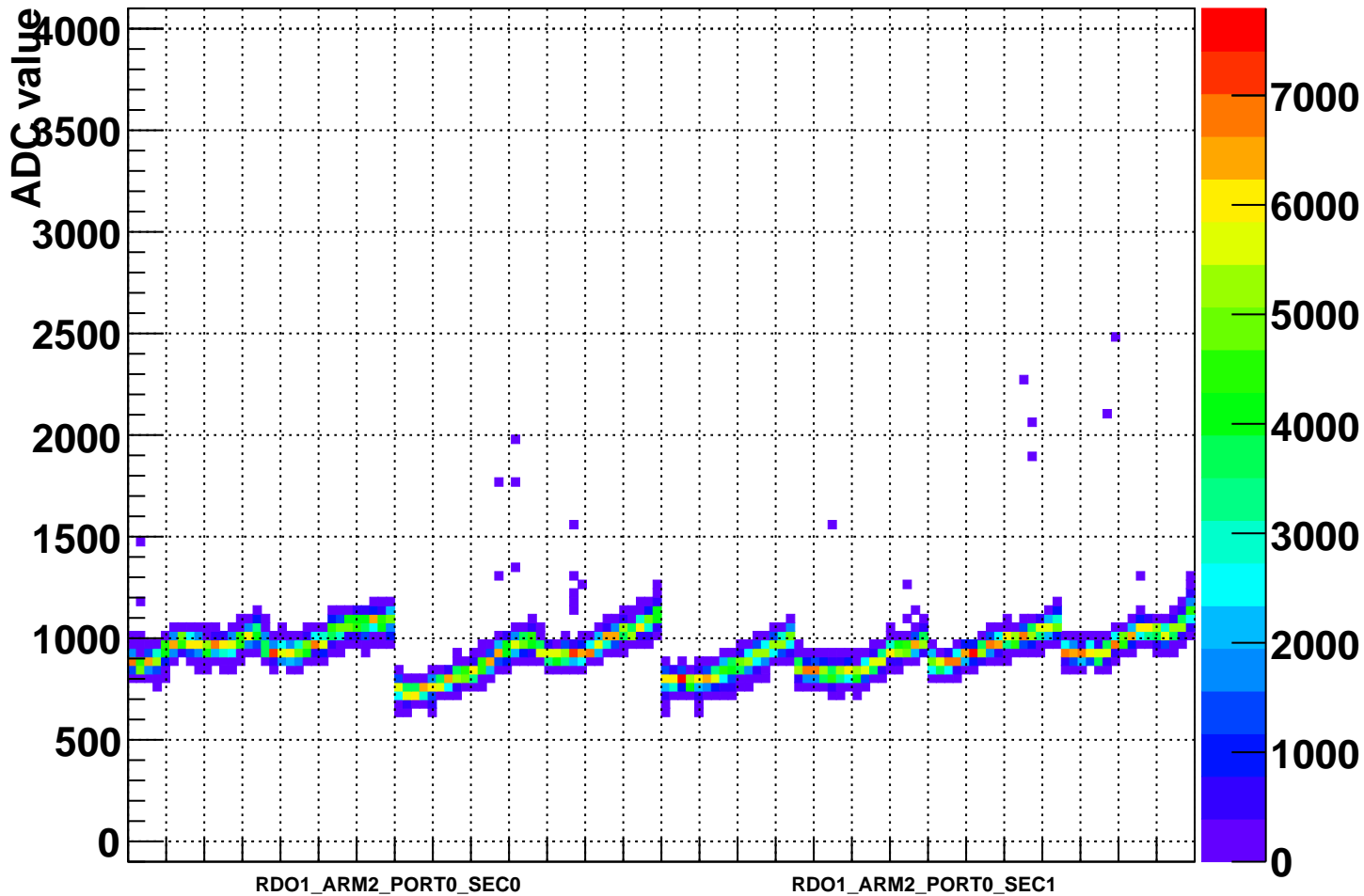
# FST - ADC vs Channel Id: Disk1 Module3



# FST - ADC vs Channel Id: Disk1 Module4

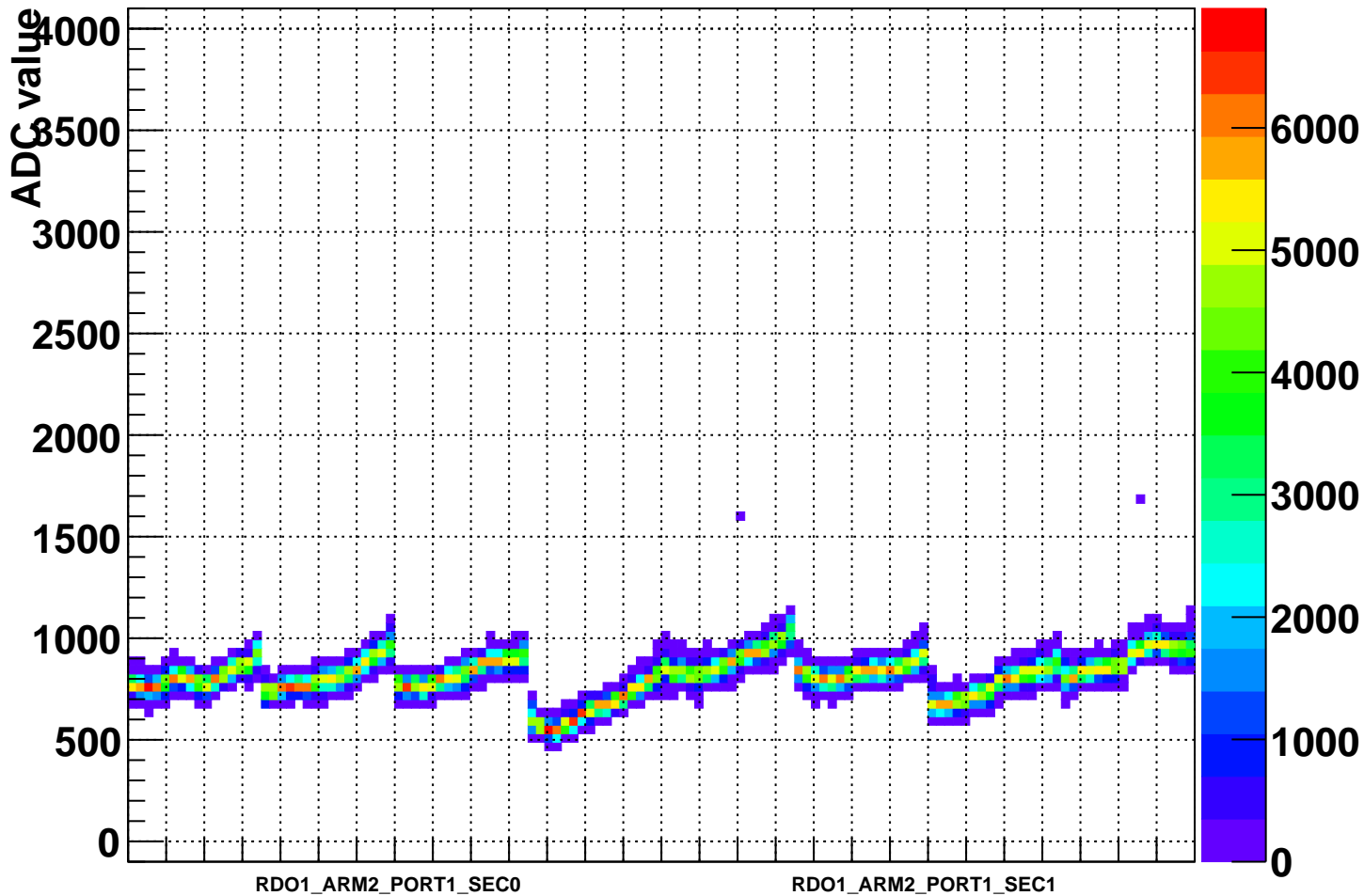


# FST - ADC vs Channel Id: Disk1 Module5

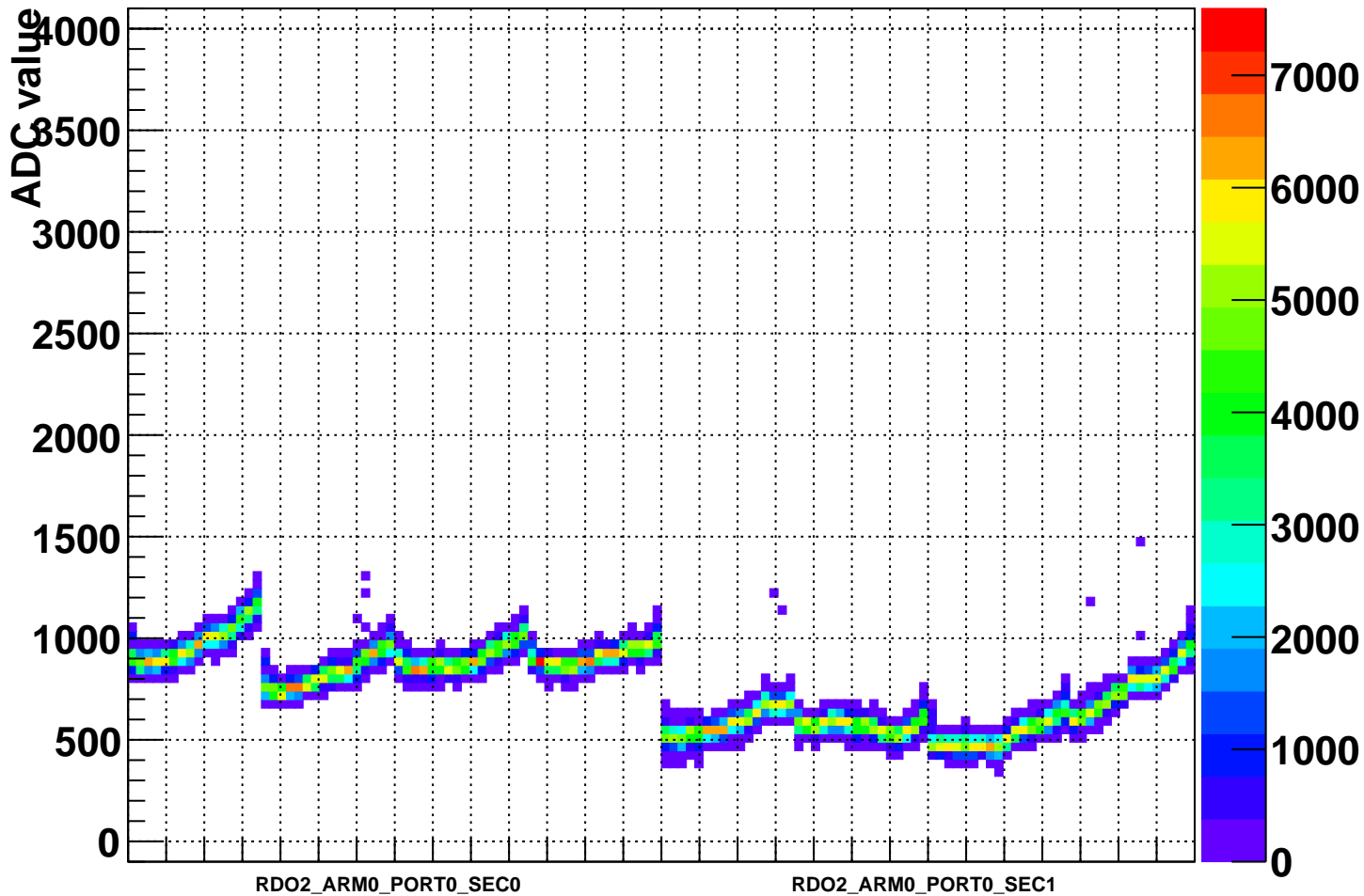




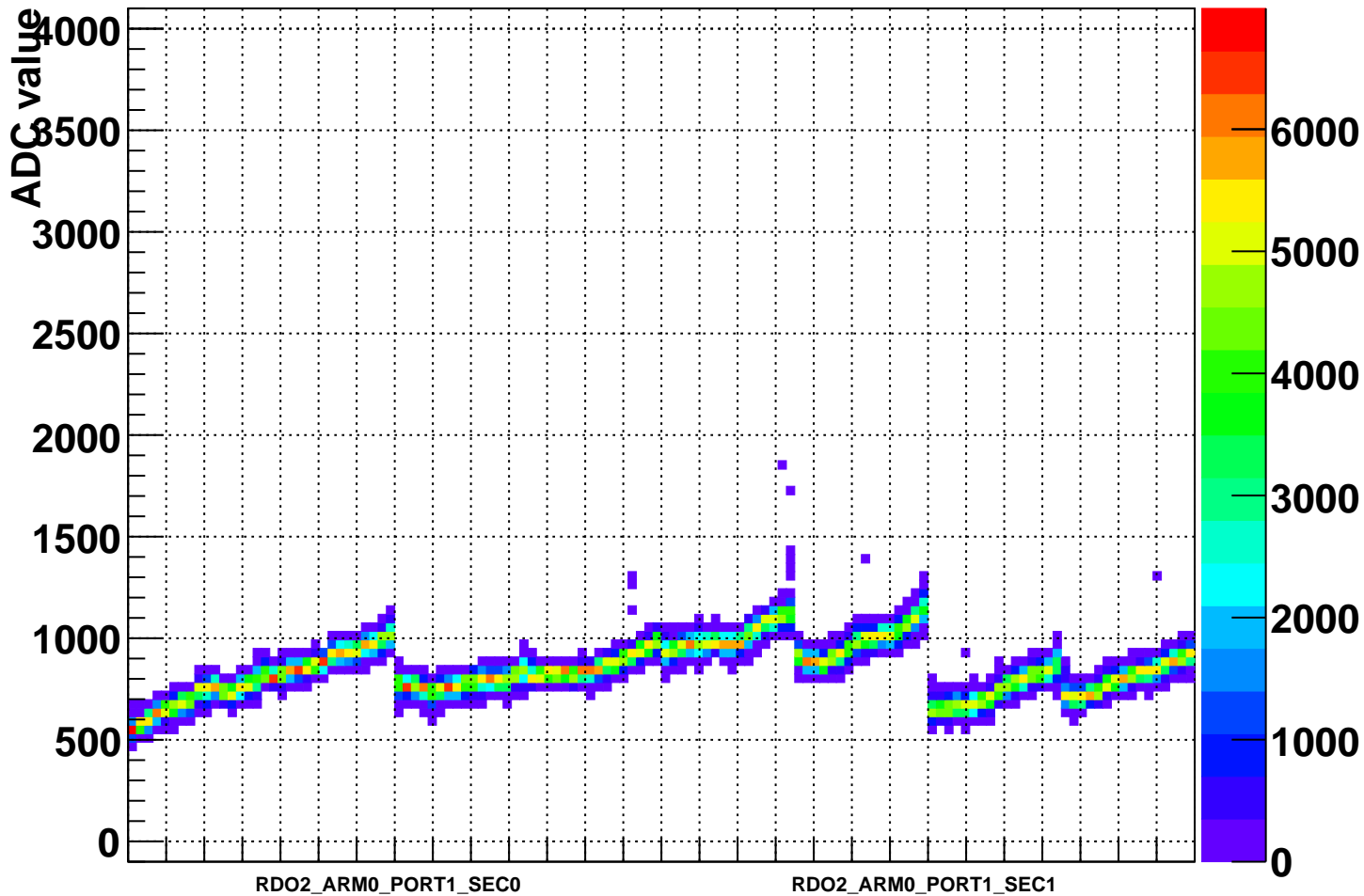
# FST - ADC vs Channel Id: Disk1 Module6



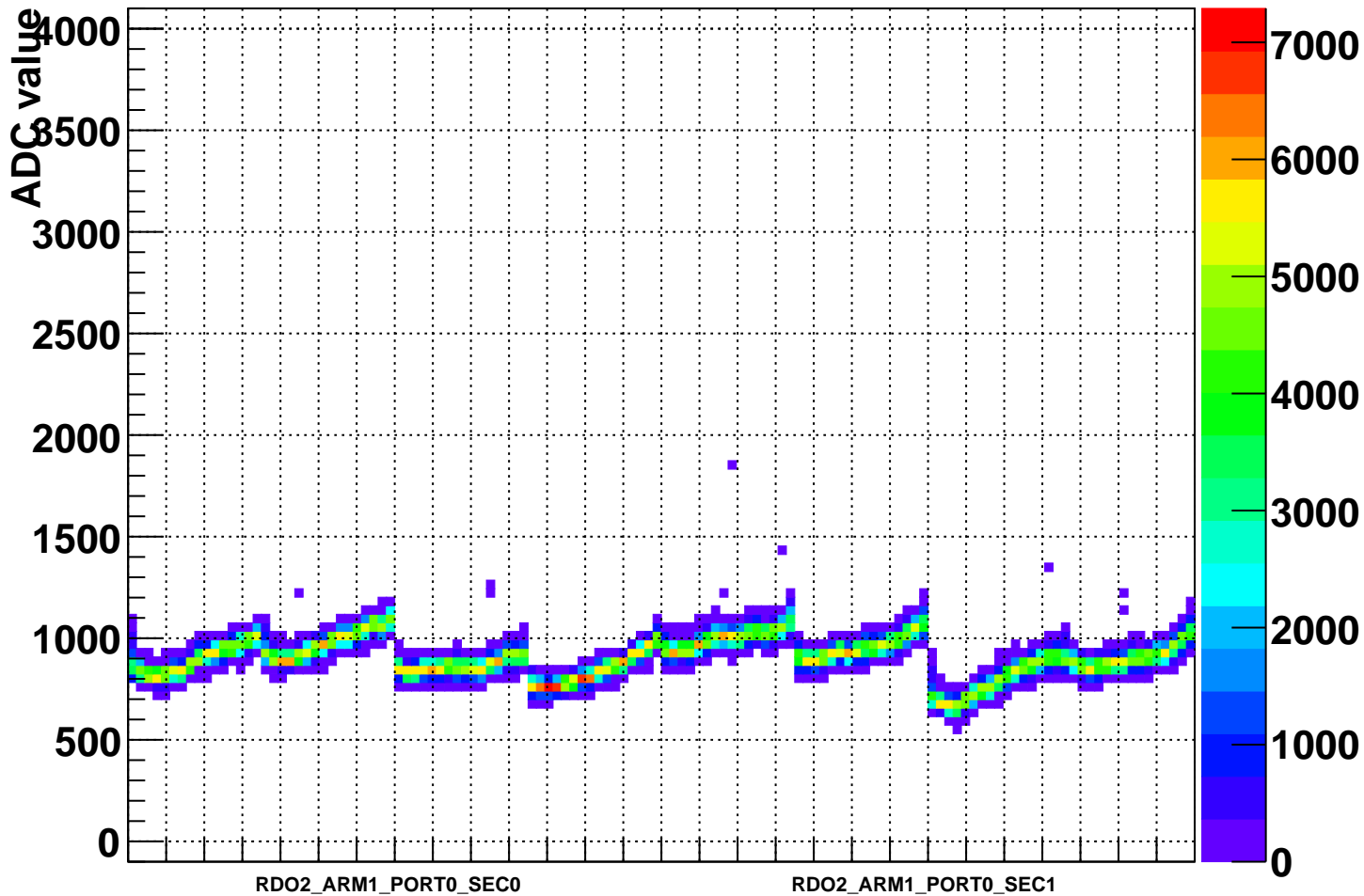
# FST - ADC vs Channel Id: Disk1 Module7



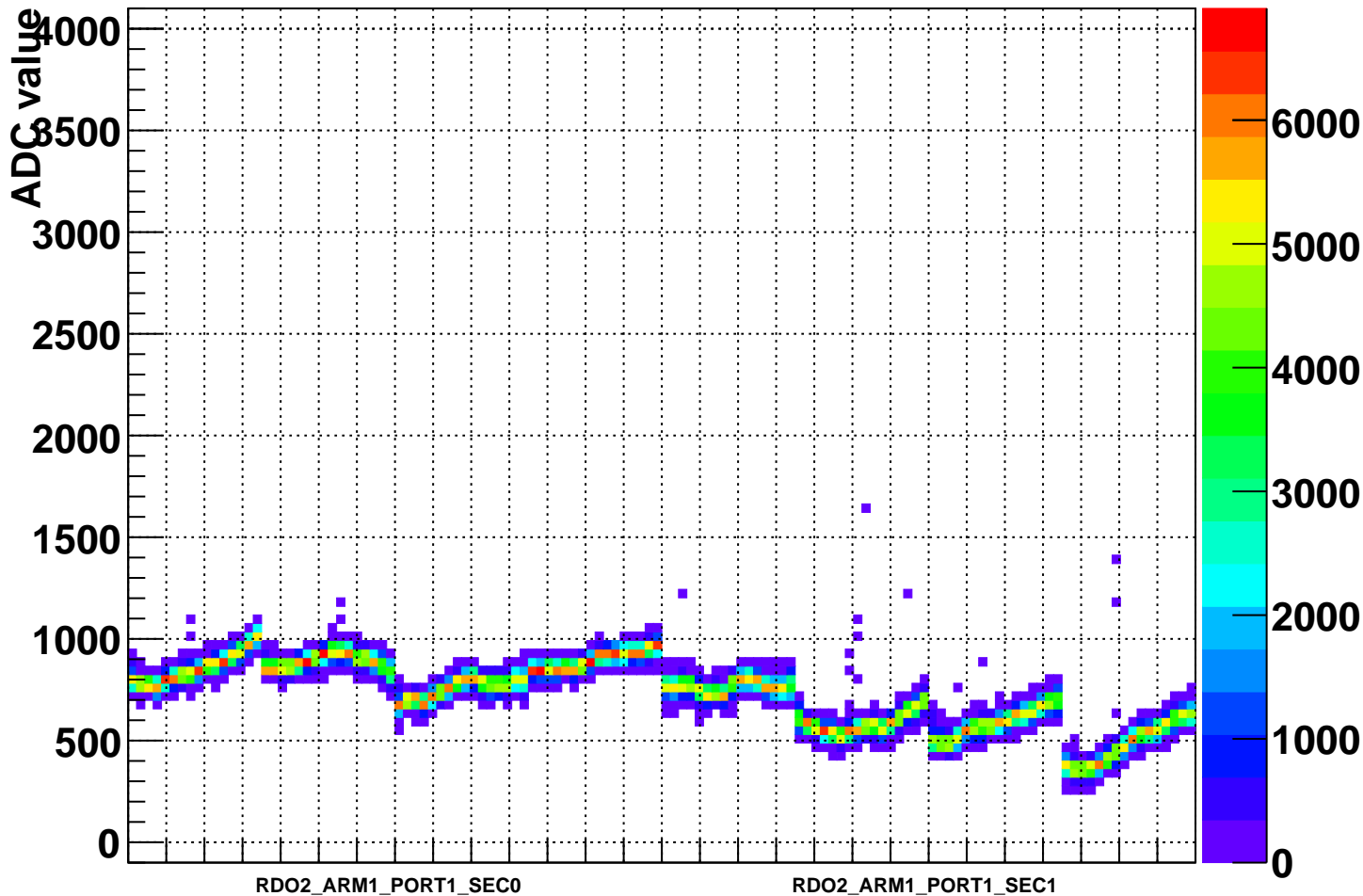
# FST - ADC vs Channel Id: Disk1 Module8



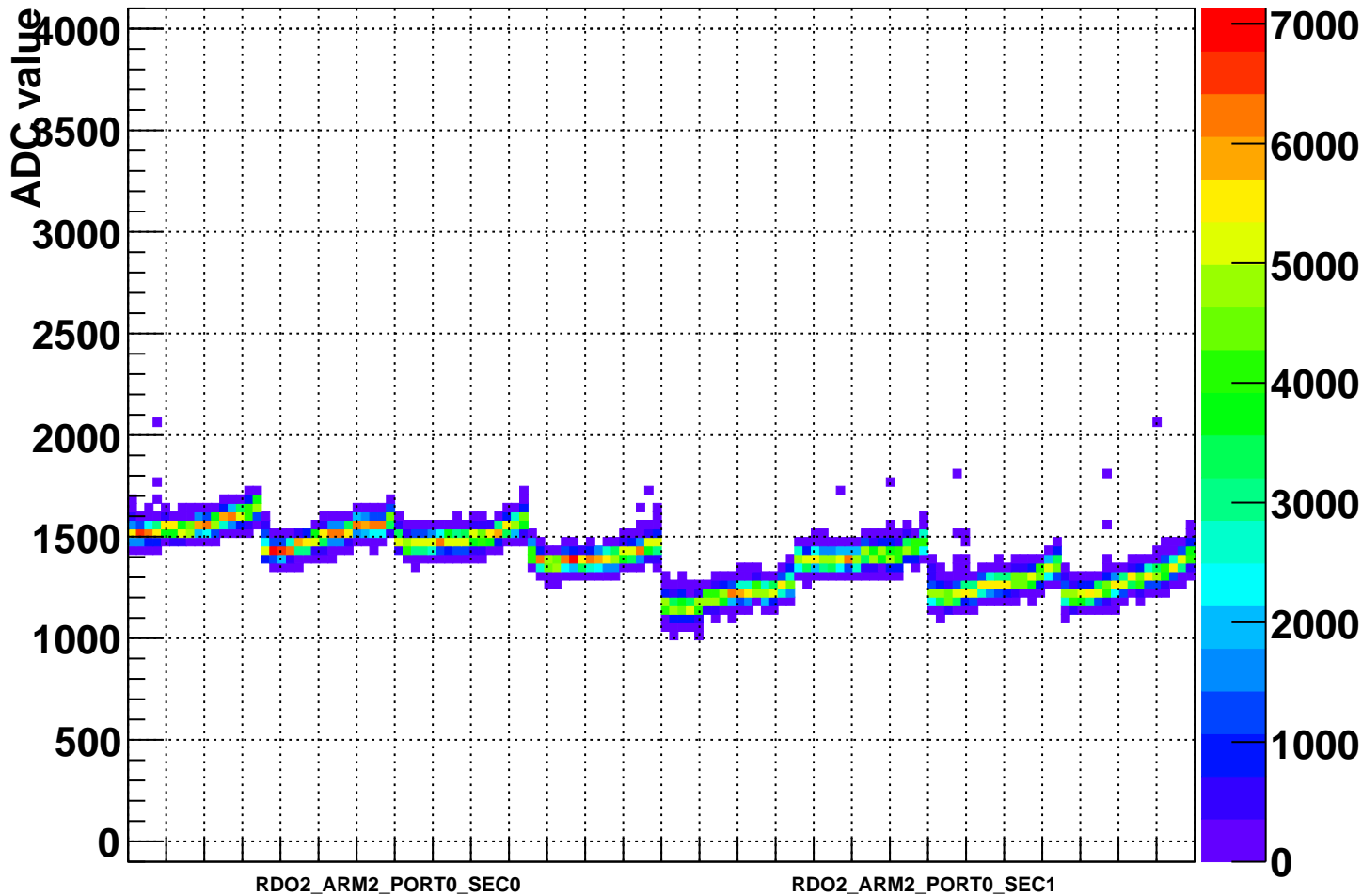
# FST - ADC vs Channel Id: Disk1 Module9



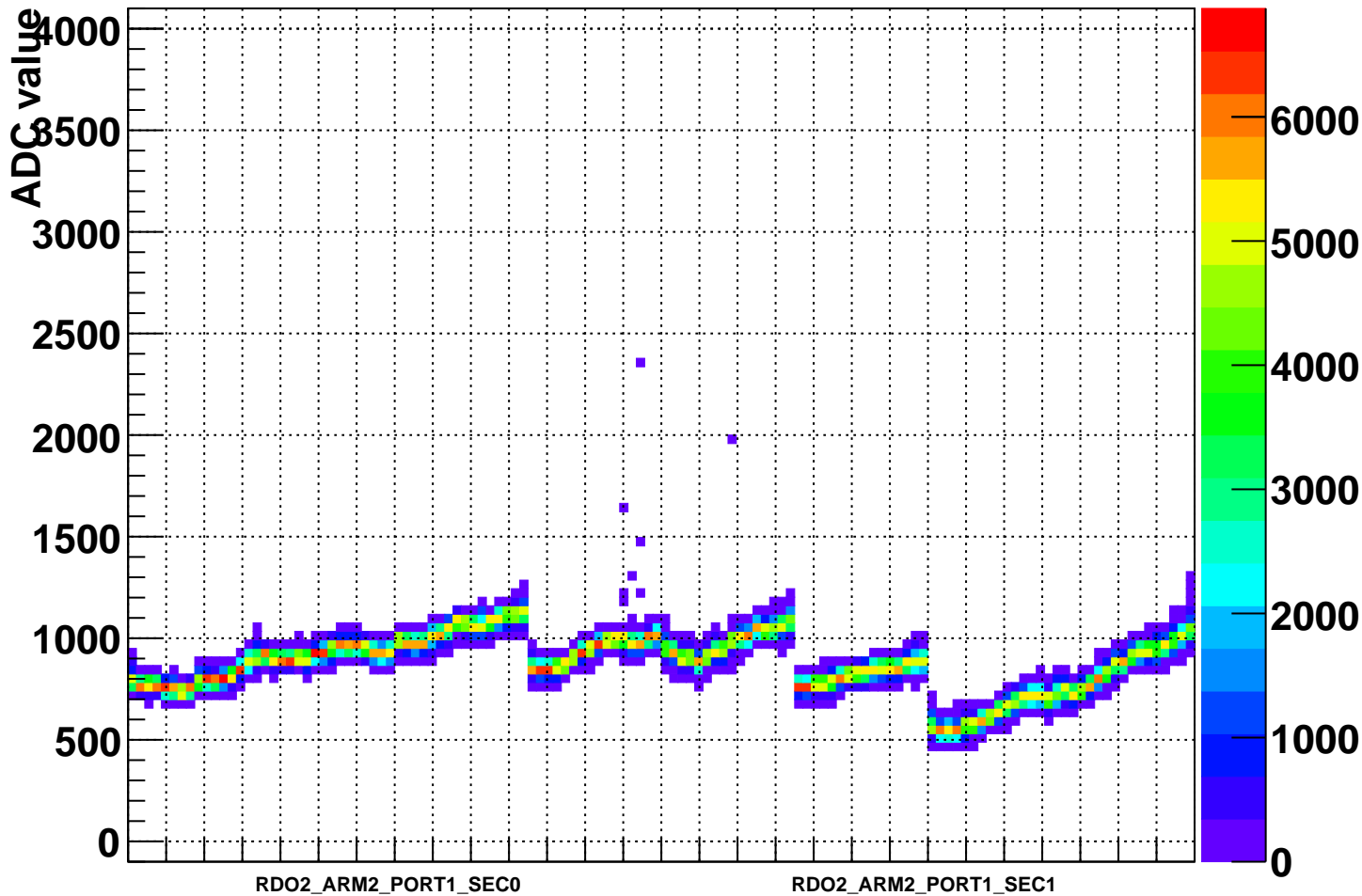
# FST - ADC vs Channel Id: Disk1 Module10



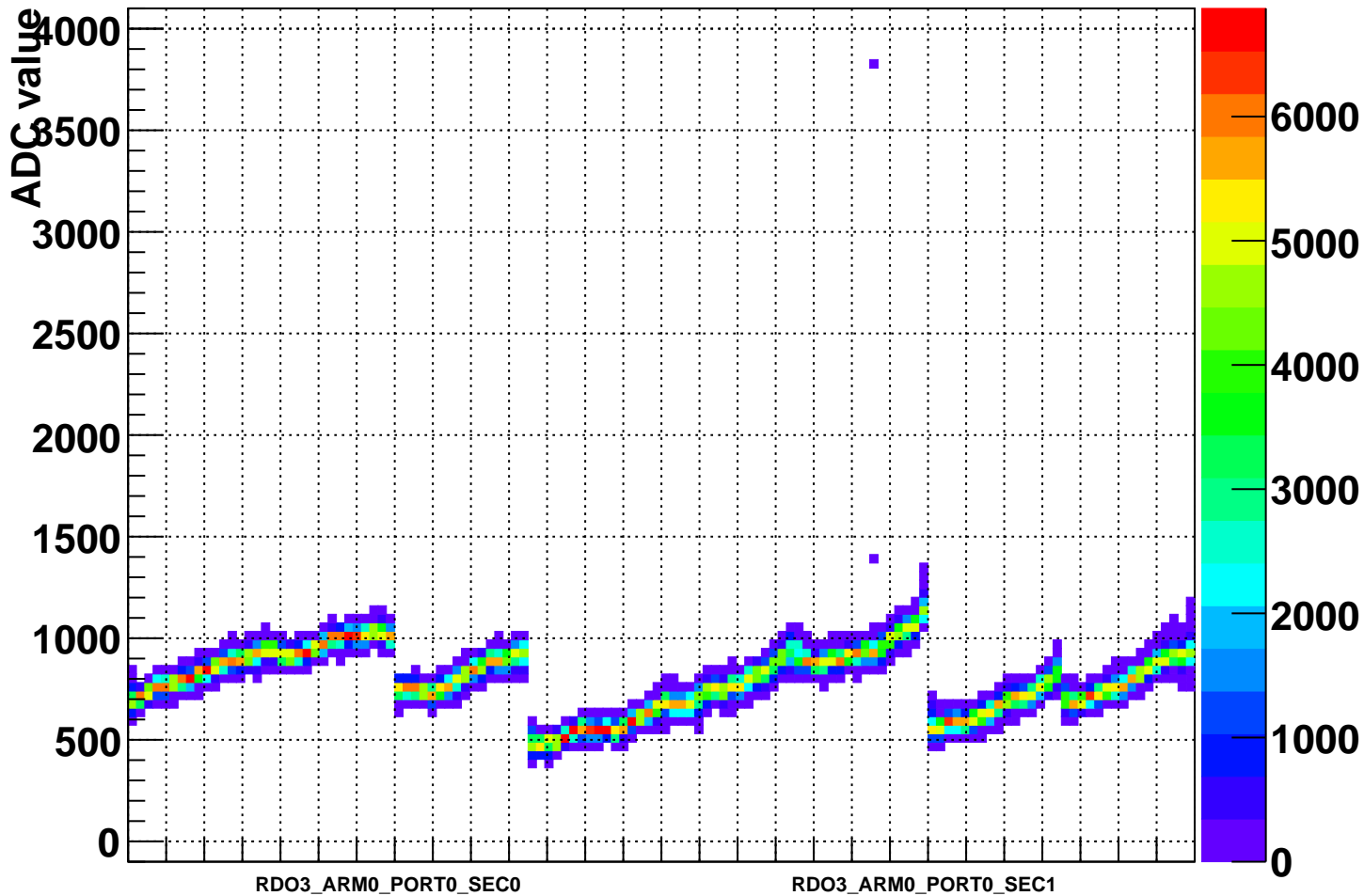
# FST - ADC vs Channel Id: Disk1 Module11



# FST - ADC vs Channel Id: Disk1 Module12

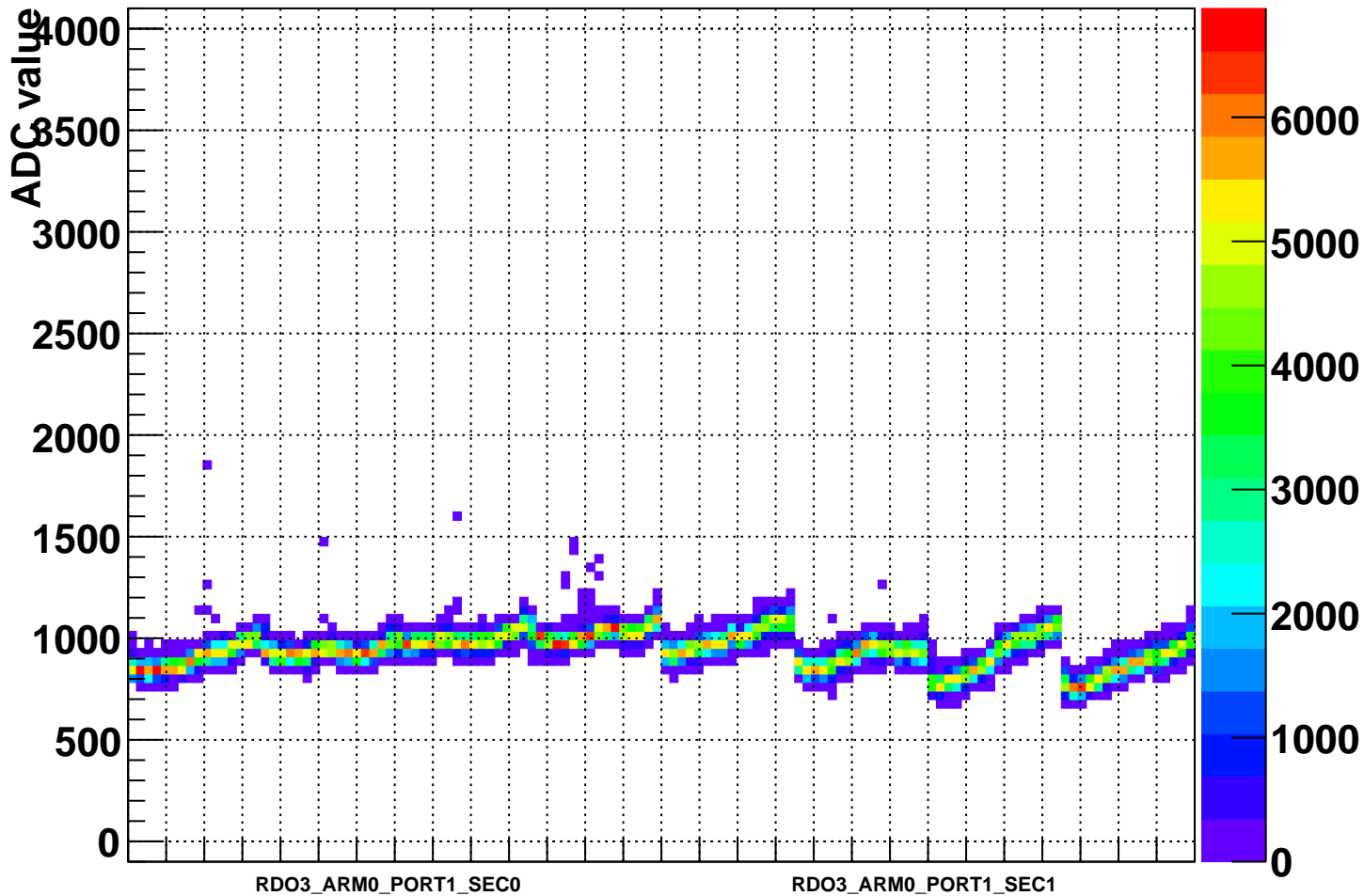


# FST - ADC vs Channel Id: Disk2 Module1

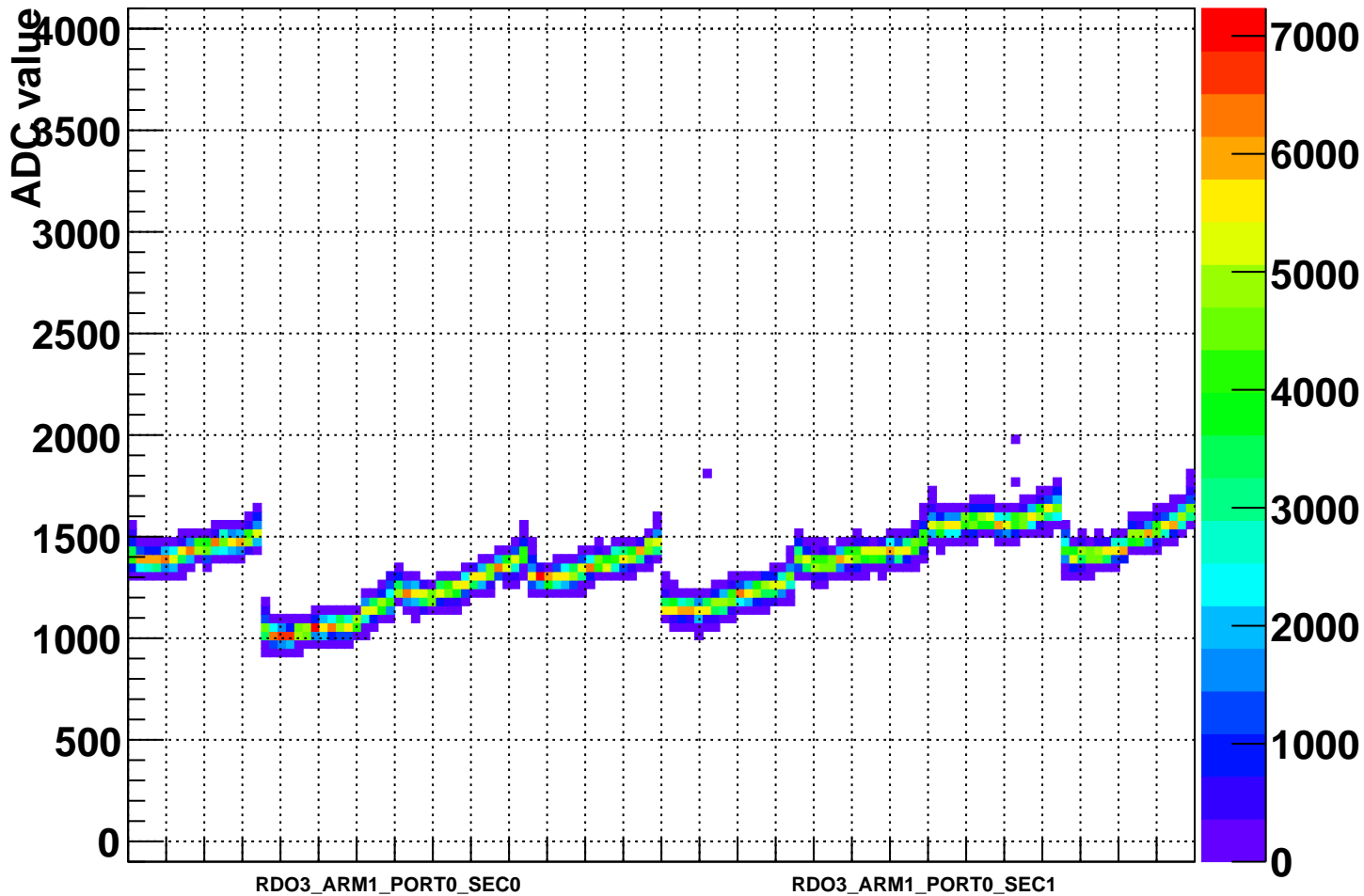




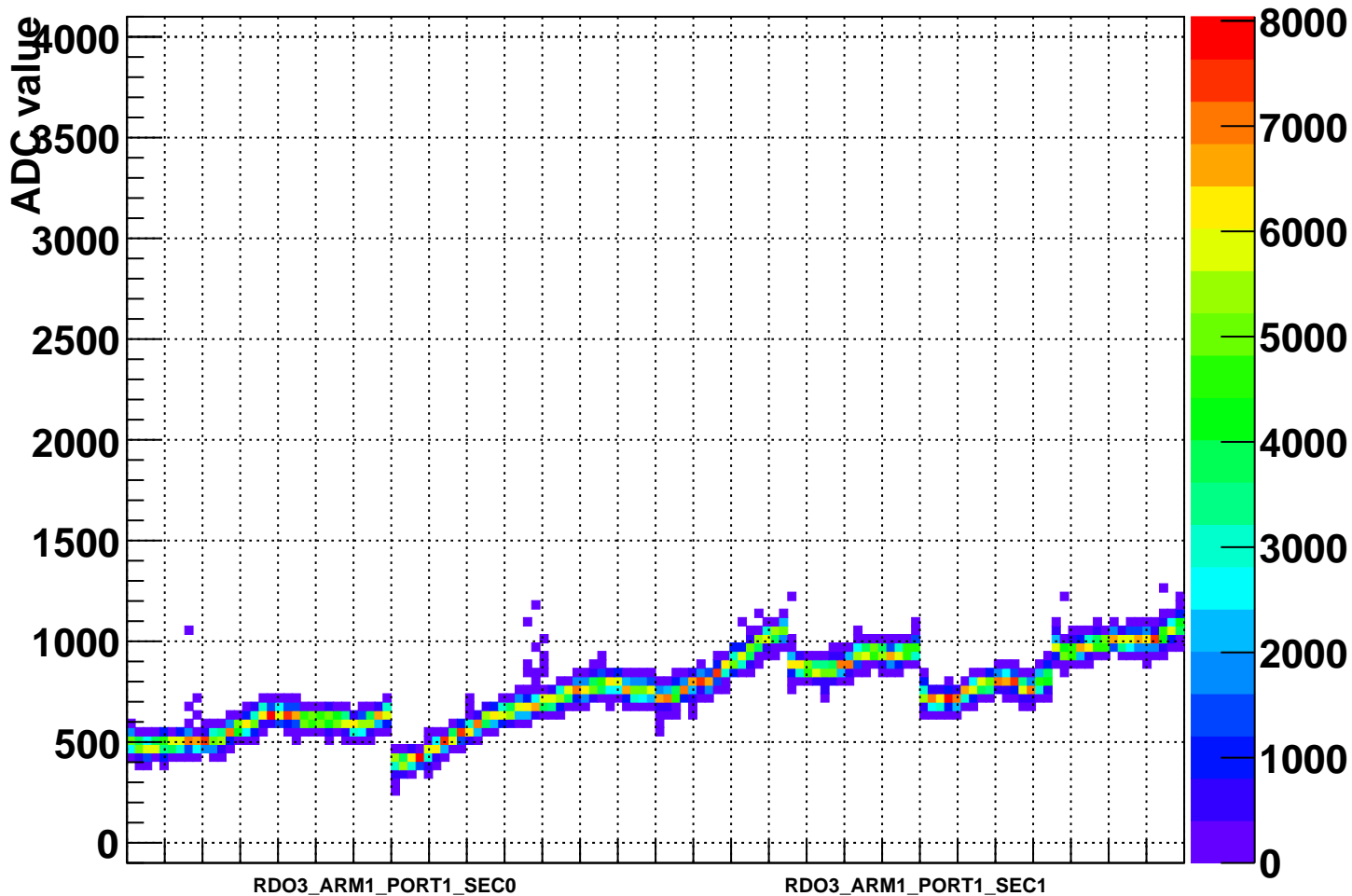
# FST - ADC vs Channel Id: Disk2 Module2



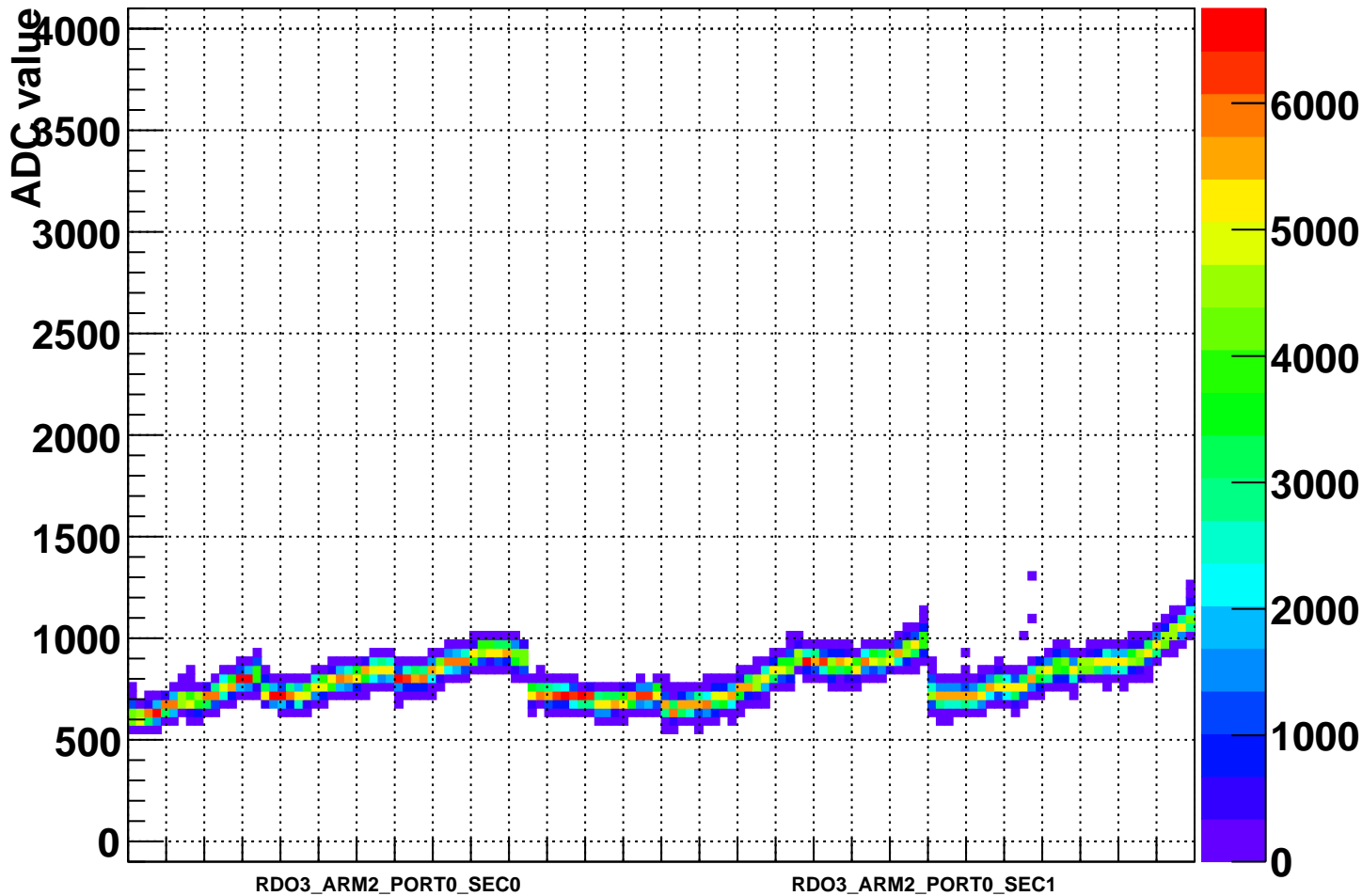
# FST - ADC vs Channel Id: Disk2 Module3



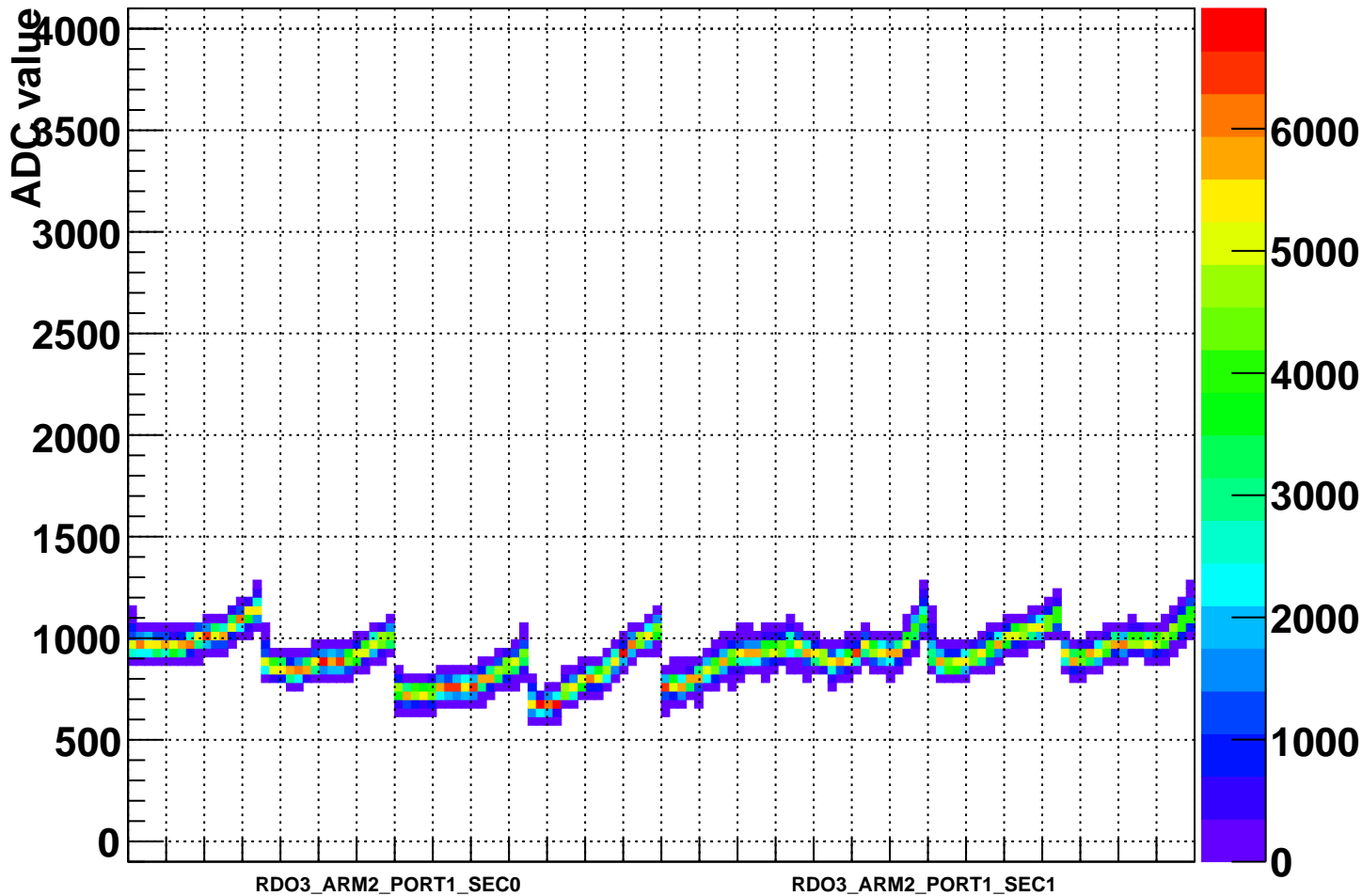
# FST - ADC vs Channel Id: Disk2 Module4



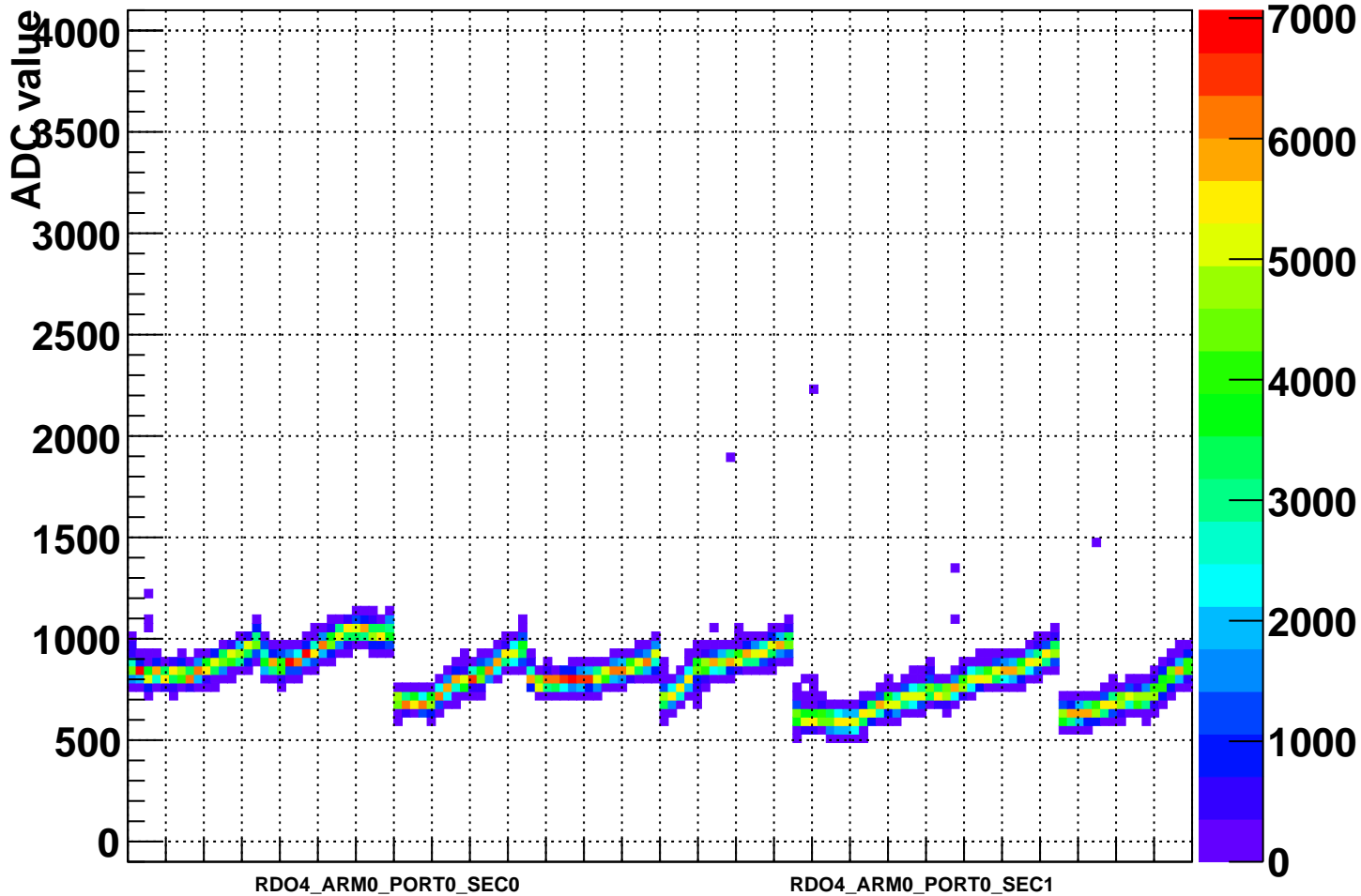
# FST - ADC vs Channel Id: Disk2 Module5



# FST - ADC vs Channel Id: Disk2 Module6



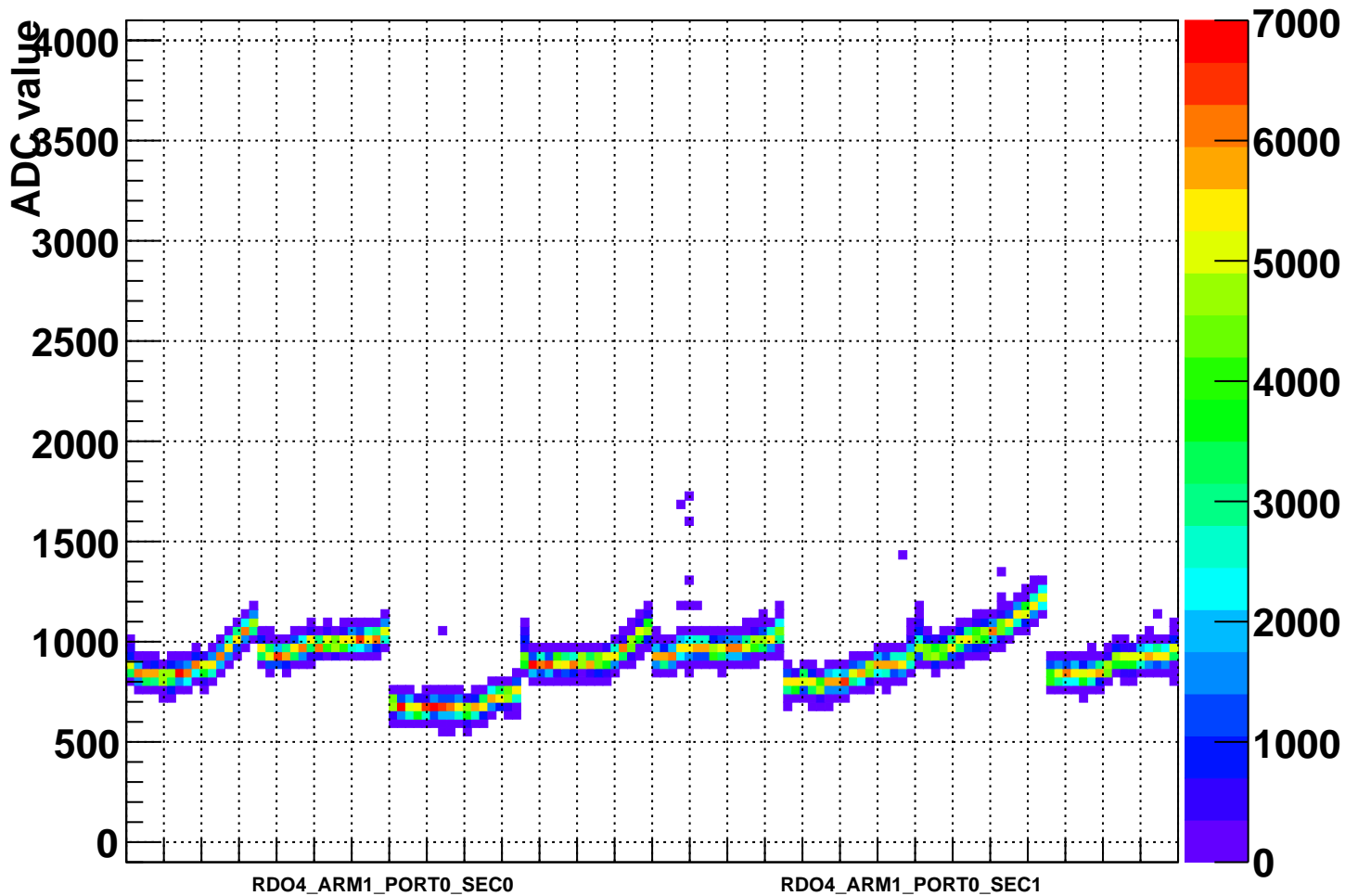
# FST - ADC vs Channel Id: Disk2 Module7



# FST - ADC vs Channel Id: Disk2 Module8

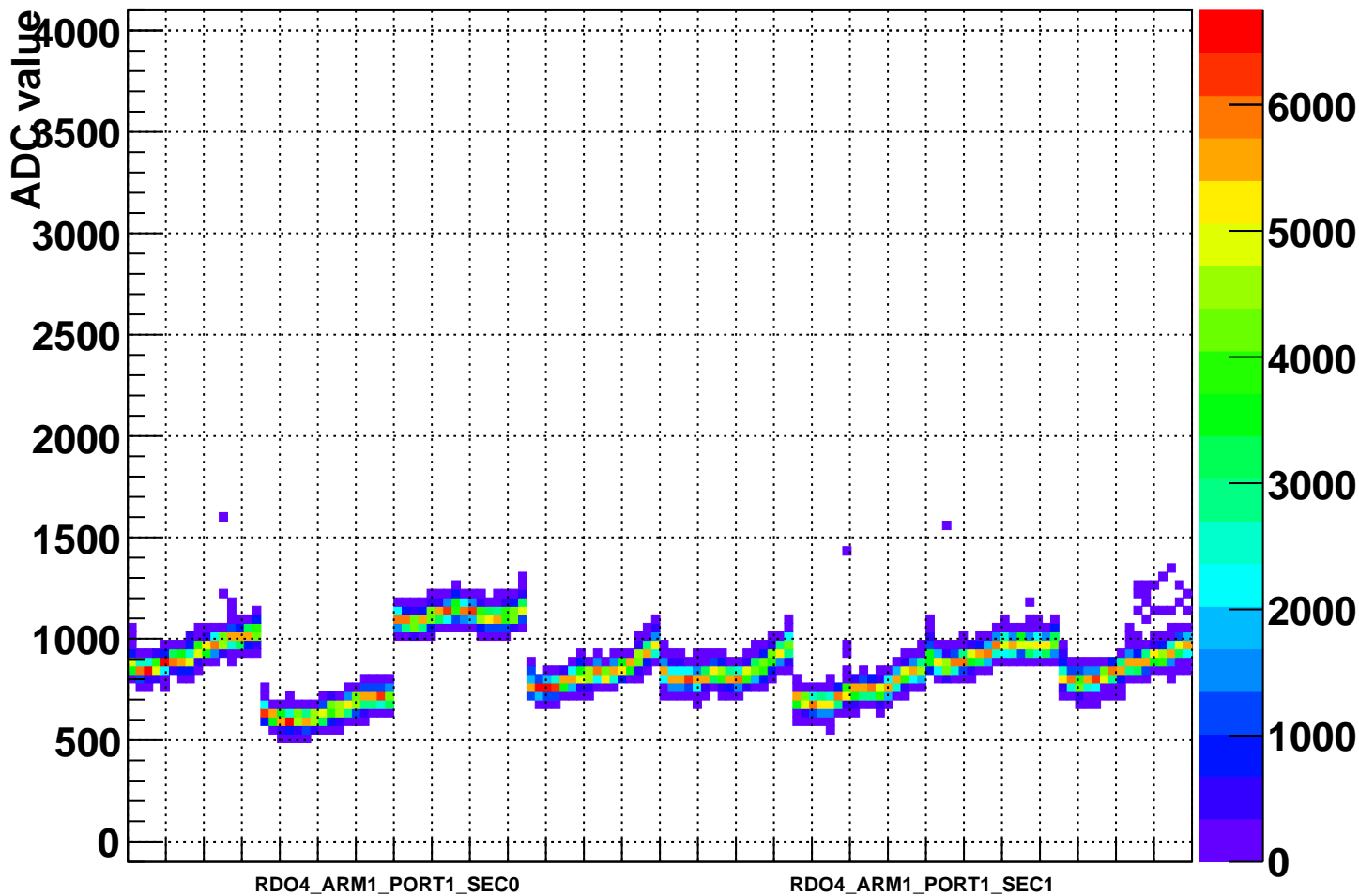


# FST - ADC vs Channel Id: Disk2 Module9

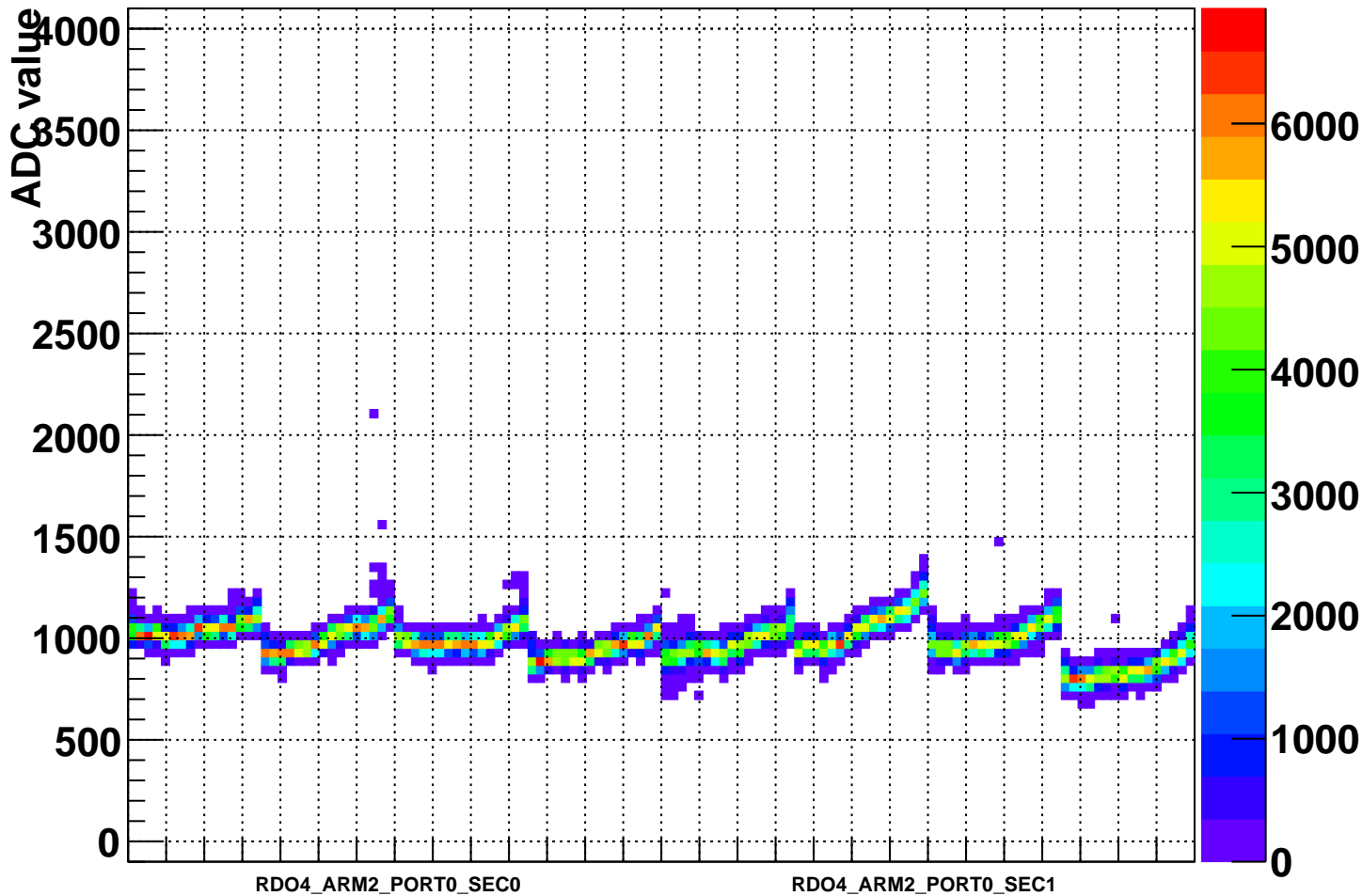




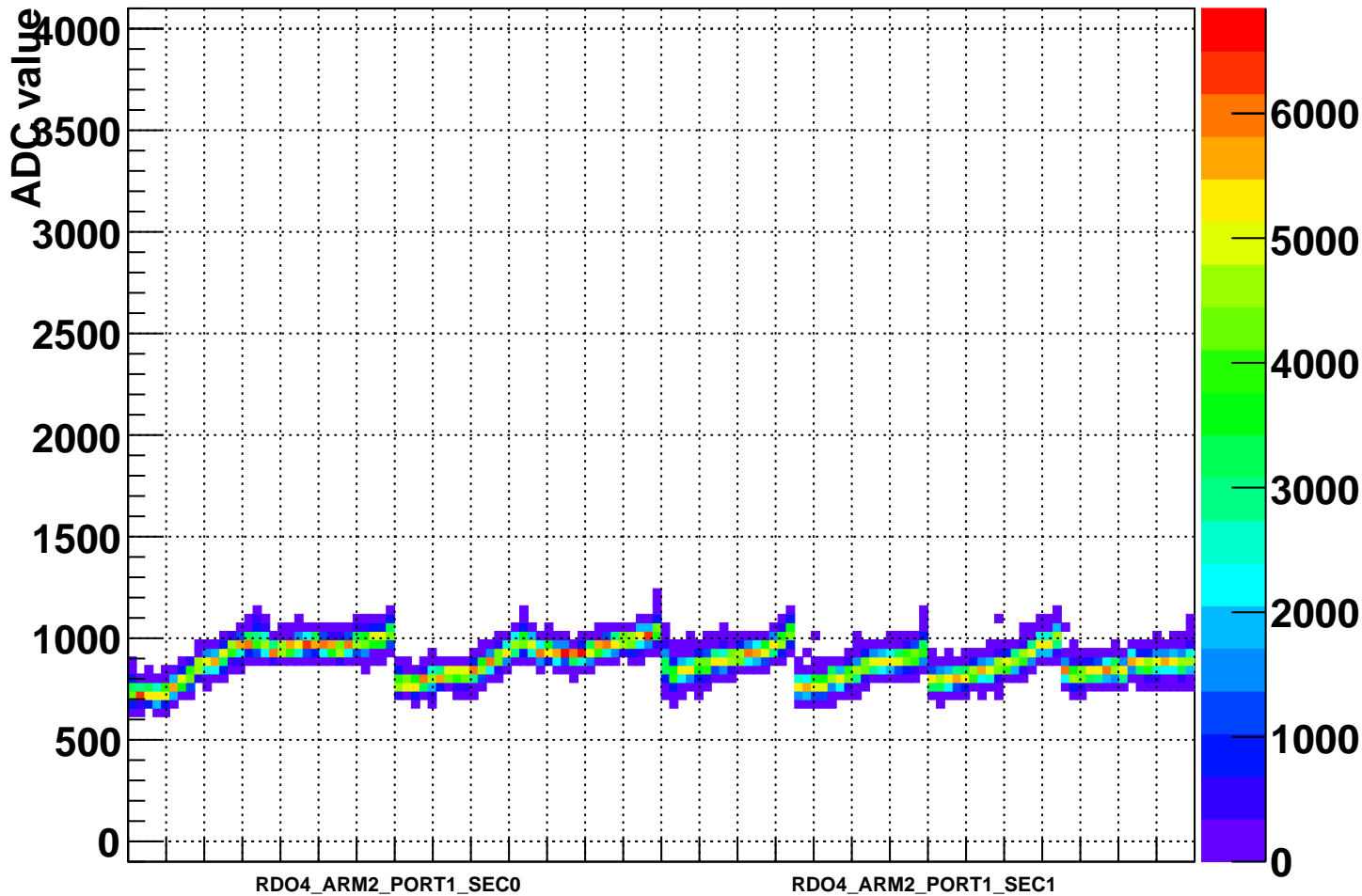
# FST - ADC vs Channel Id: Disk2 Module10



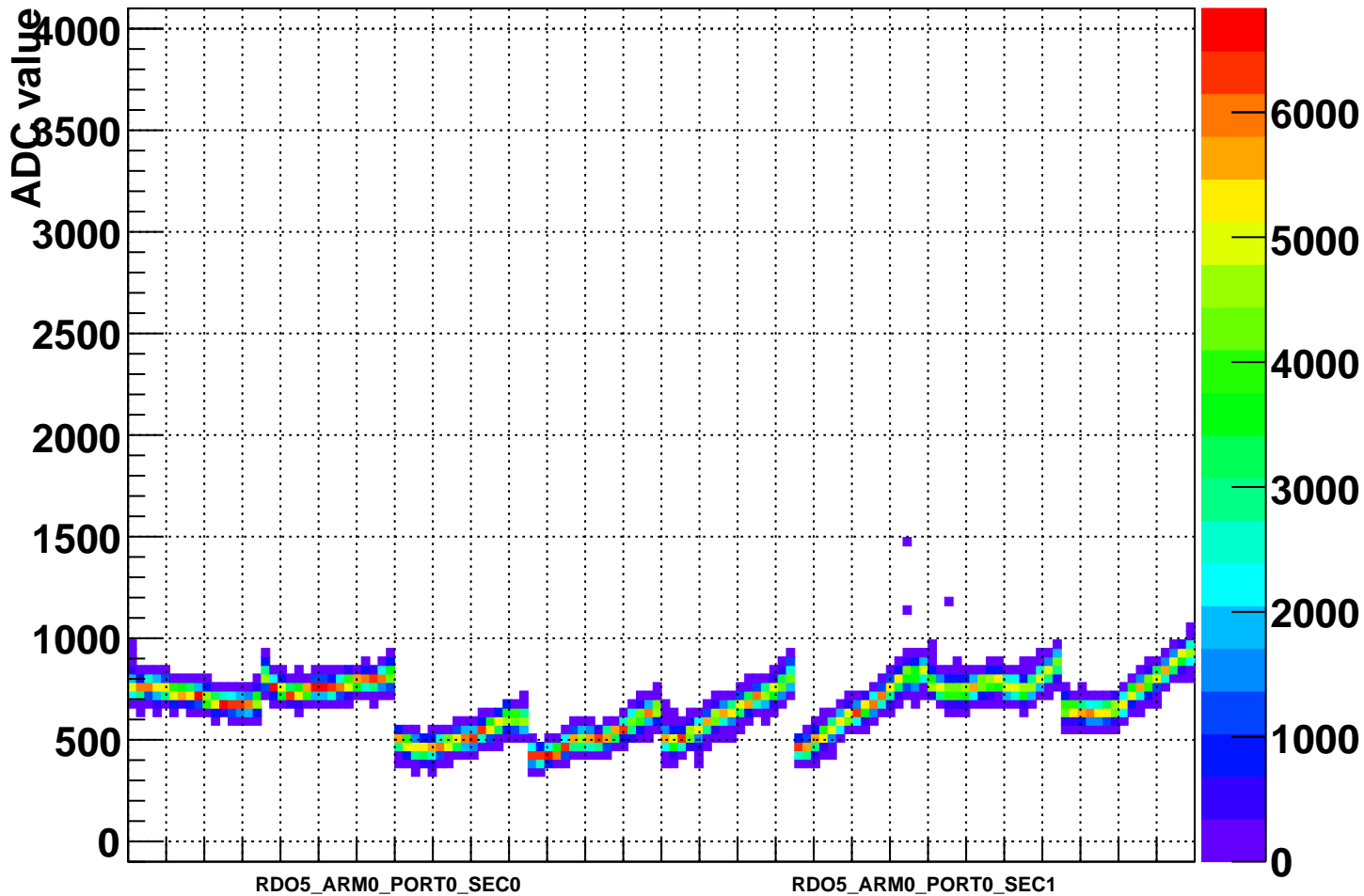
# FST - ADC vs Channel Id: Disk2 Module11



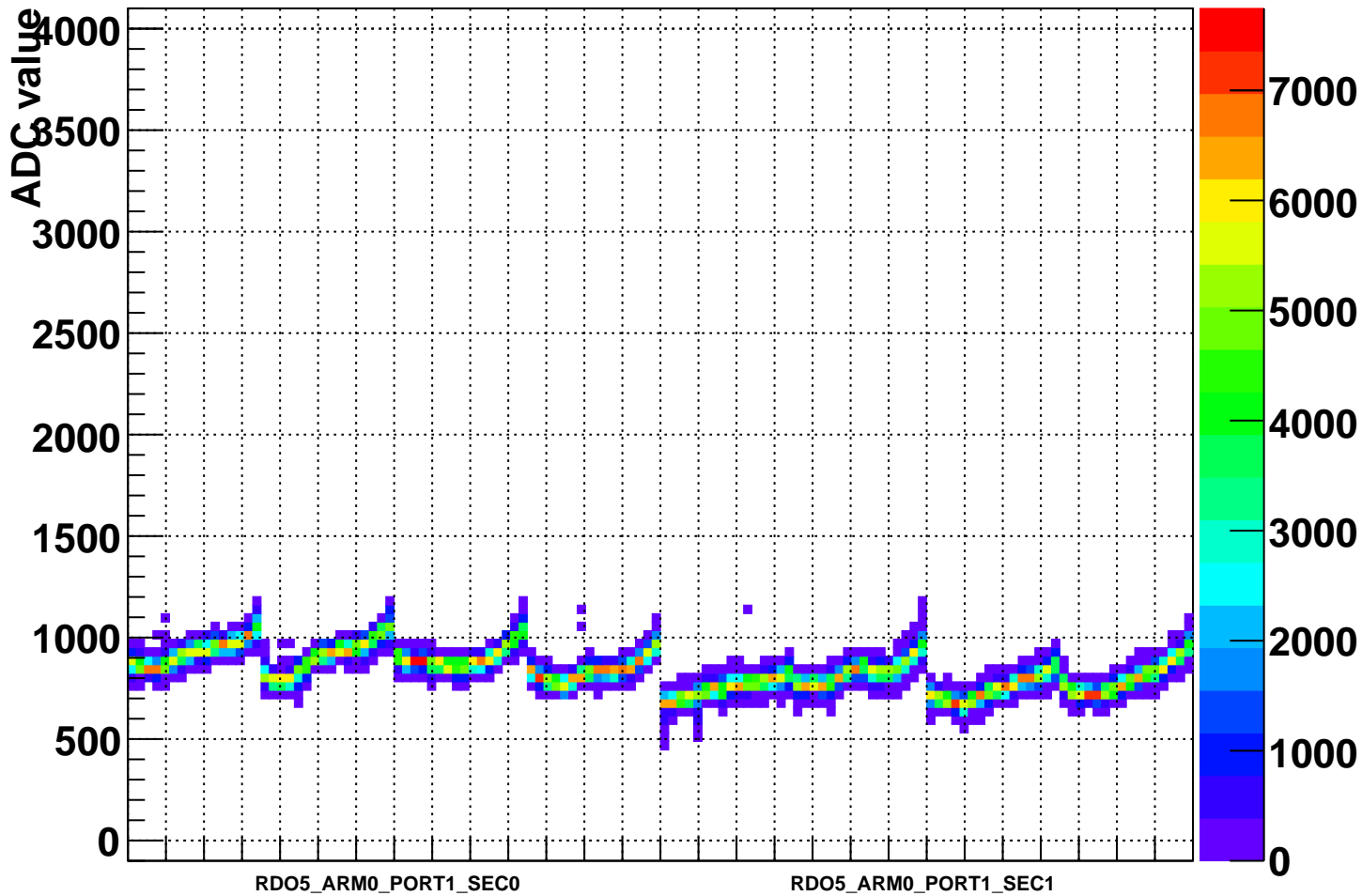
# FST - ADC vs Channel Id: Disk2 Module12



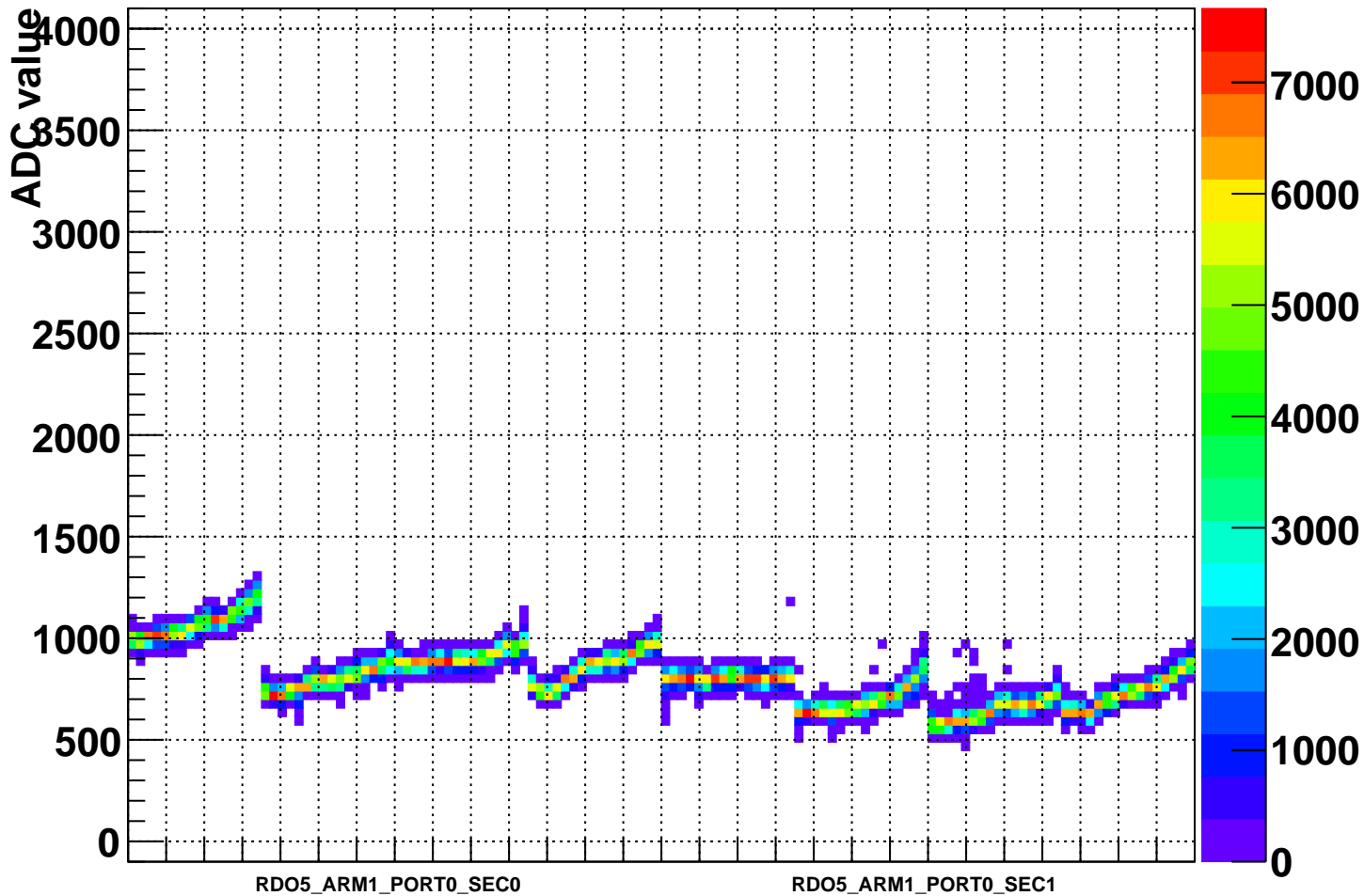
# FST - ADC vs Channel Id: Disk3 Module1



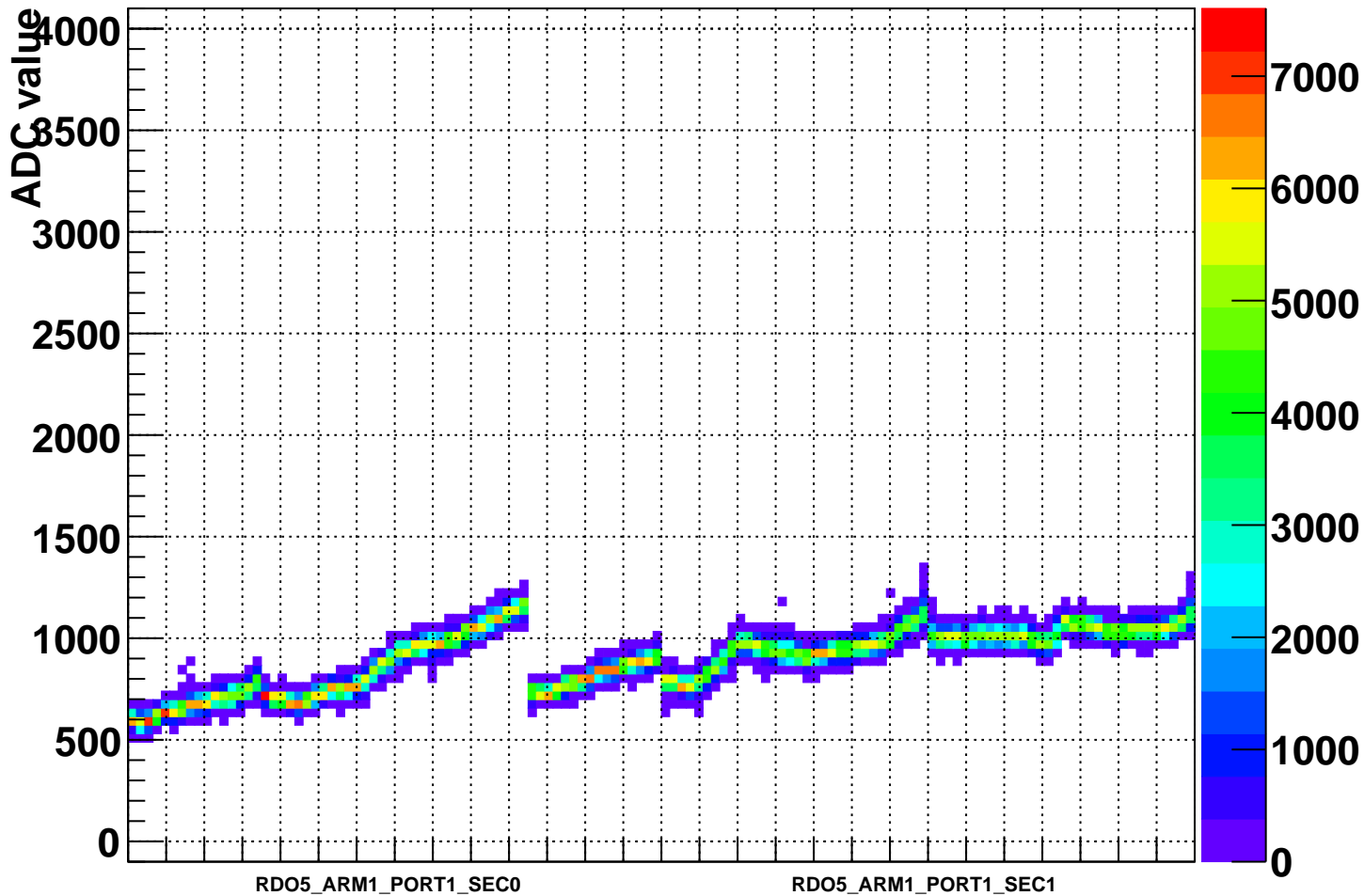
# FST - ADC vs Channel Id: Disk3 Module2



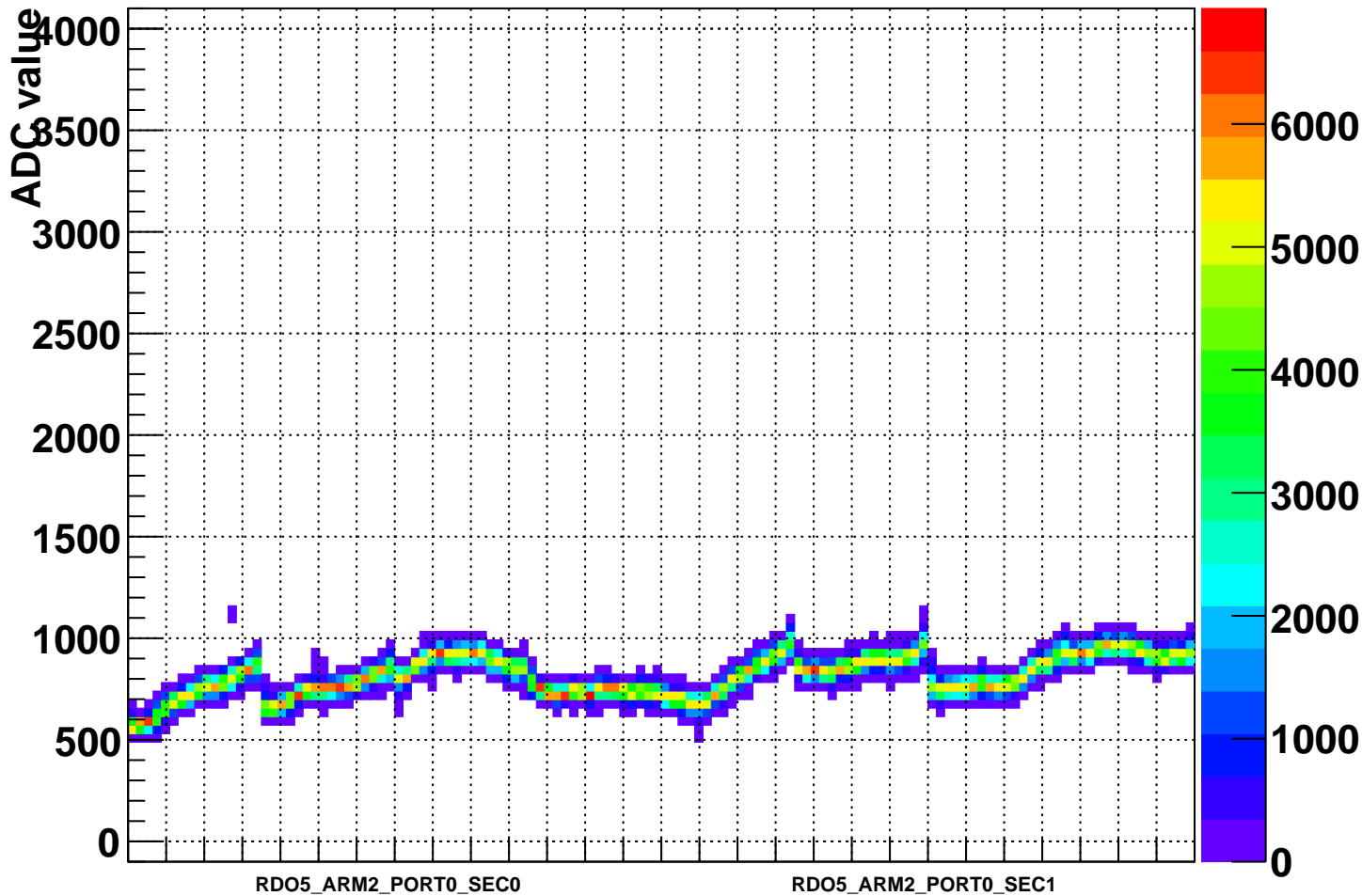
# FST - ADC vs Channel Id: Disk3 Module3



# FST - ADC vs Channel Id: Disk3 Module4

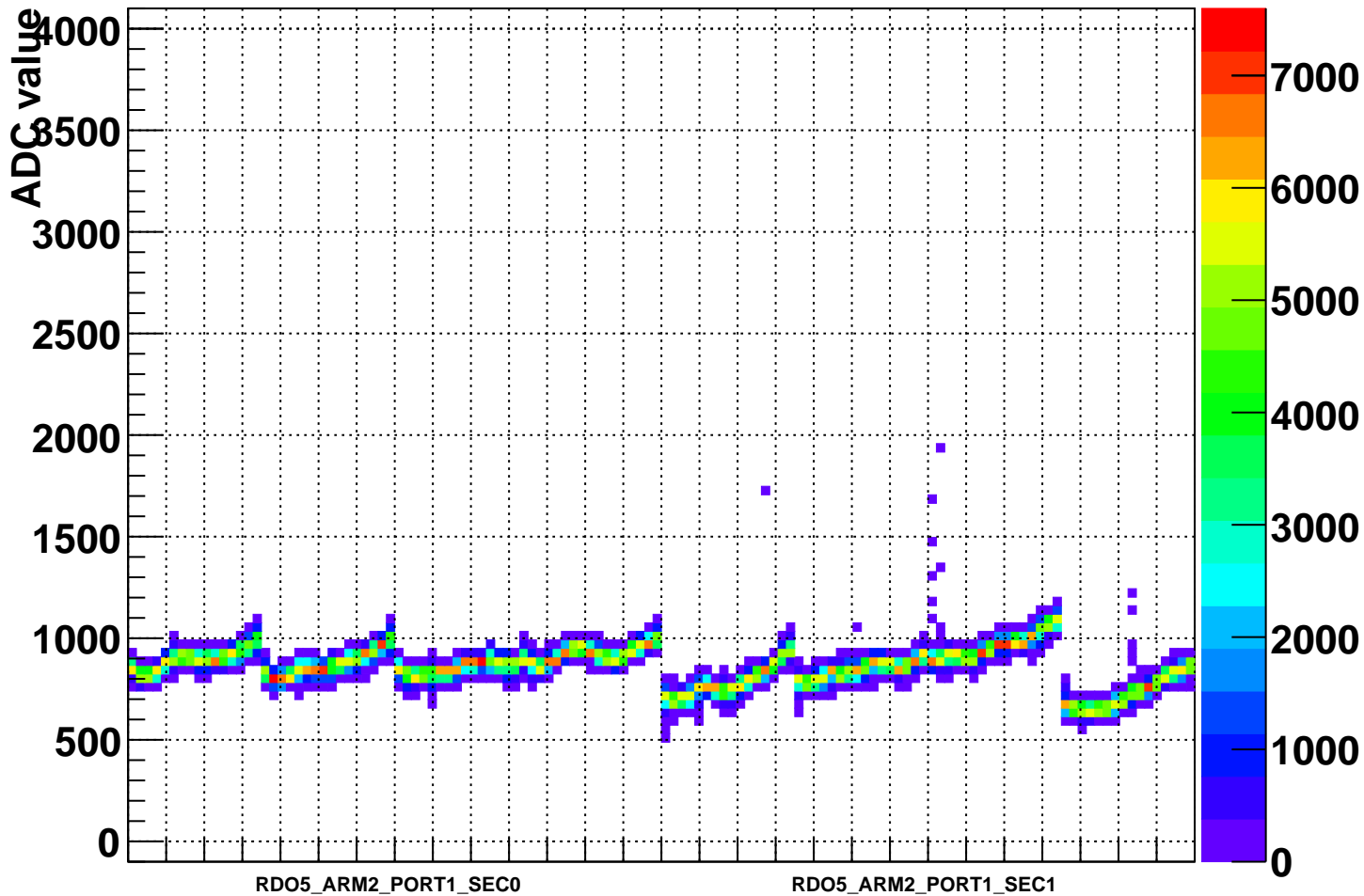


# FST - ADC vs Channel Id: Disk3 Module5

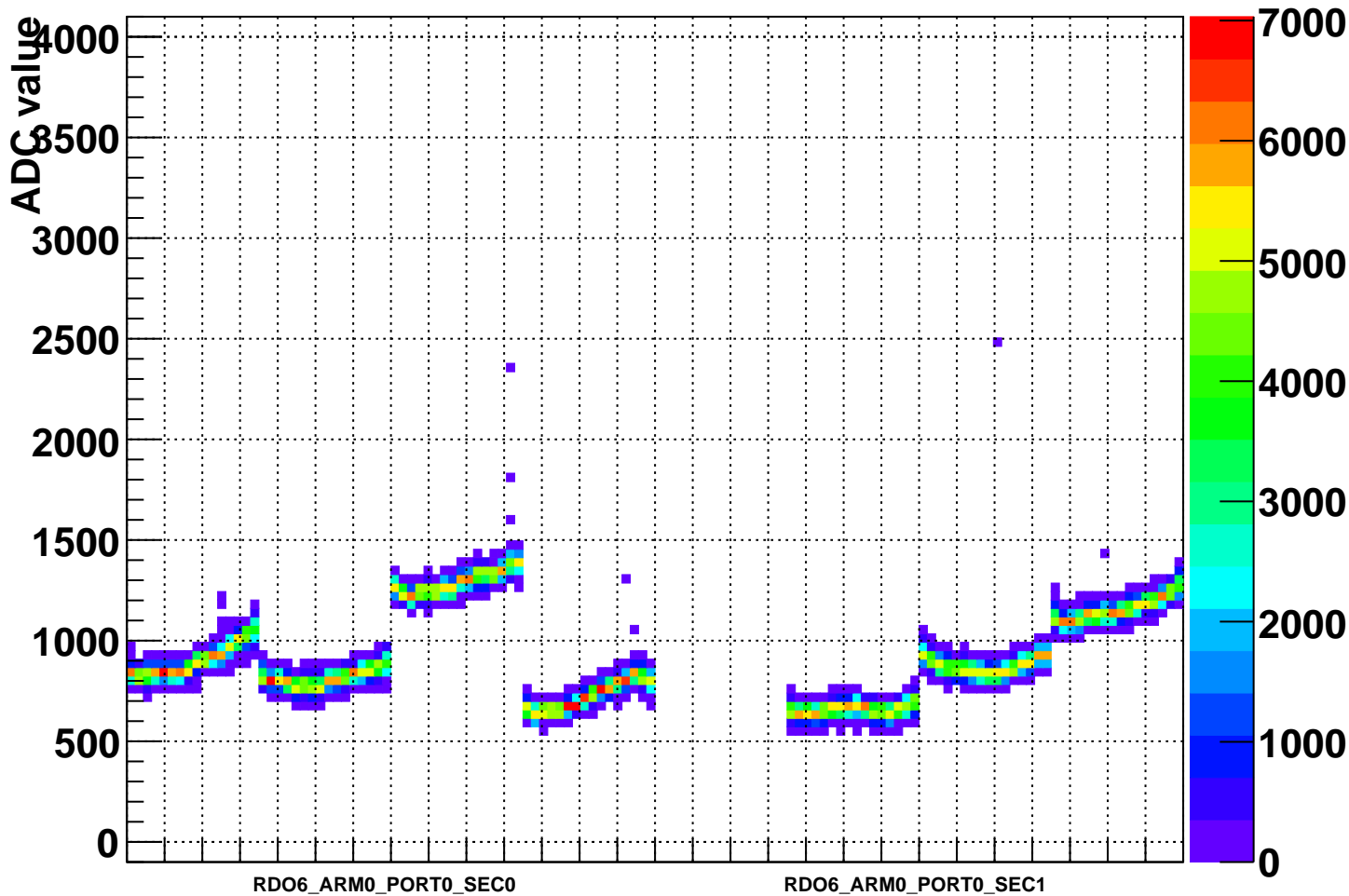




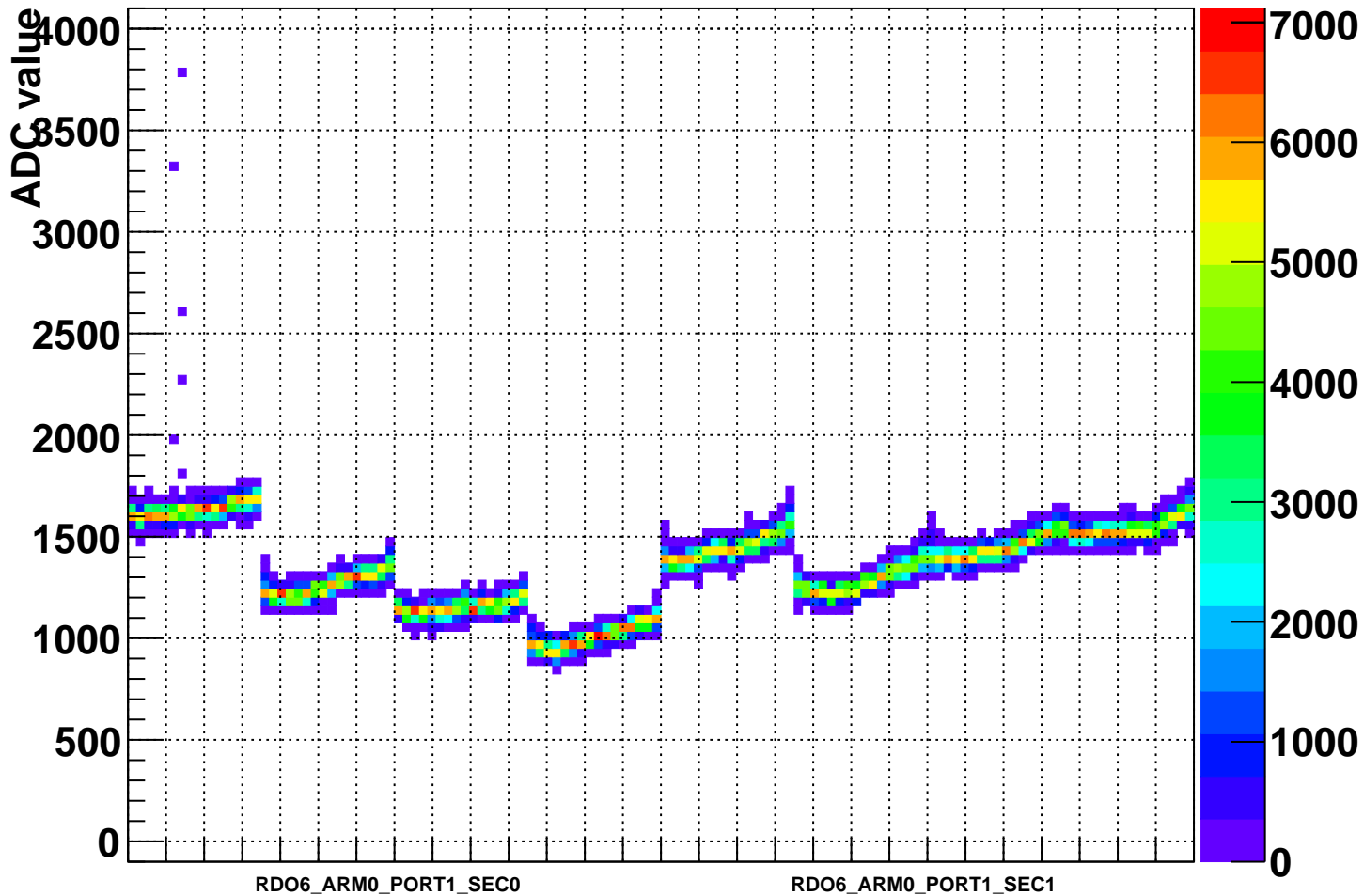
# FST - ADC vs Channel Id: Disk3 Module6



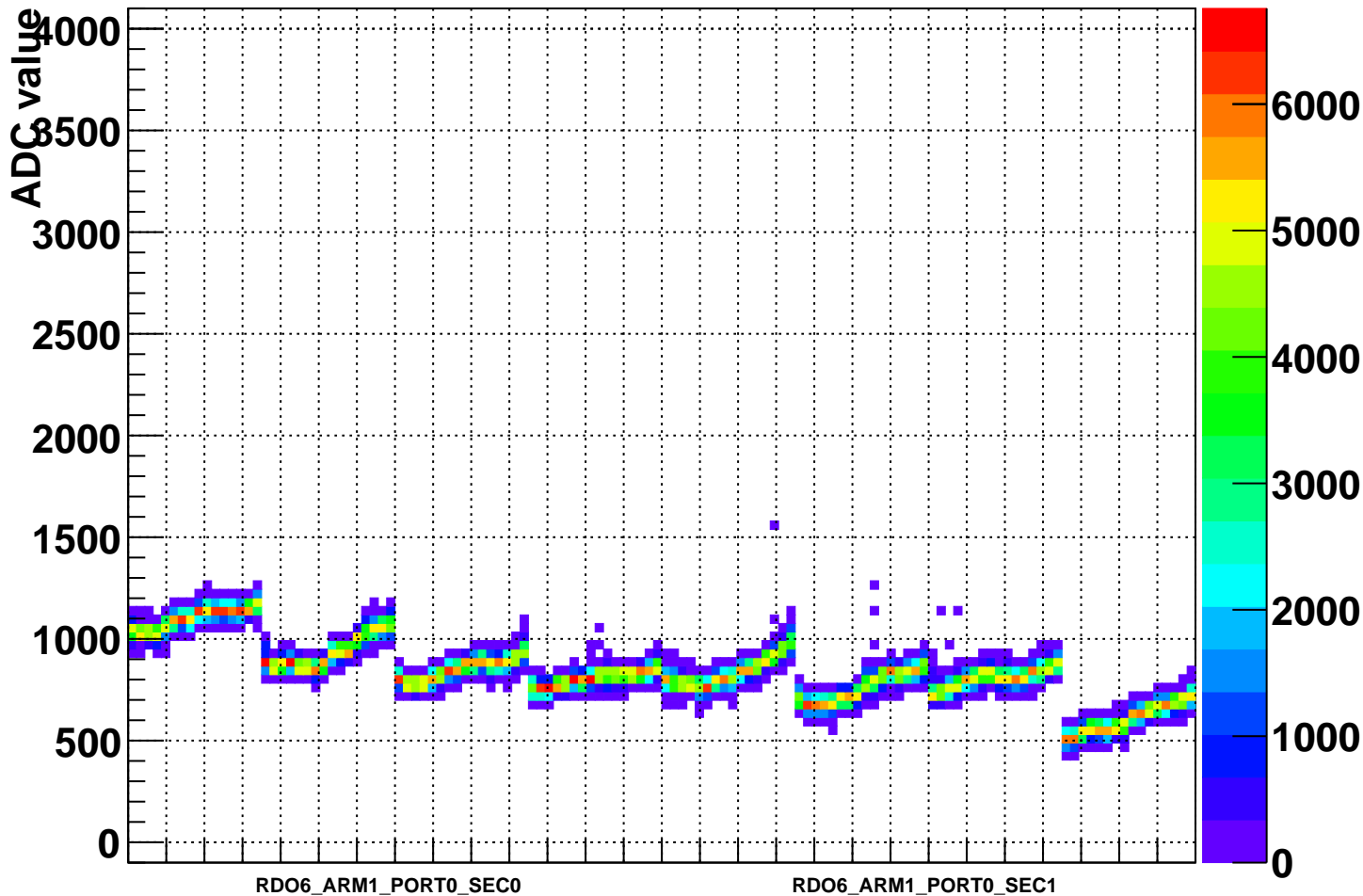
# FST - ADC vs Channel Id: Disk3 Module7



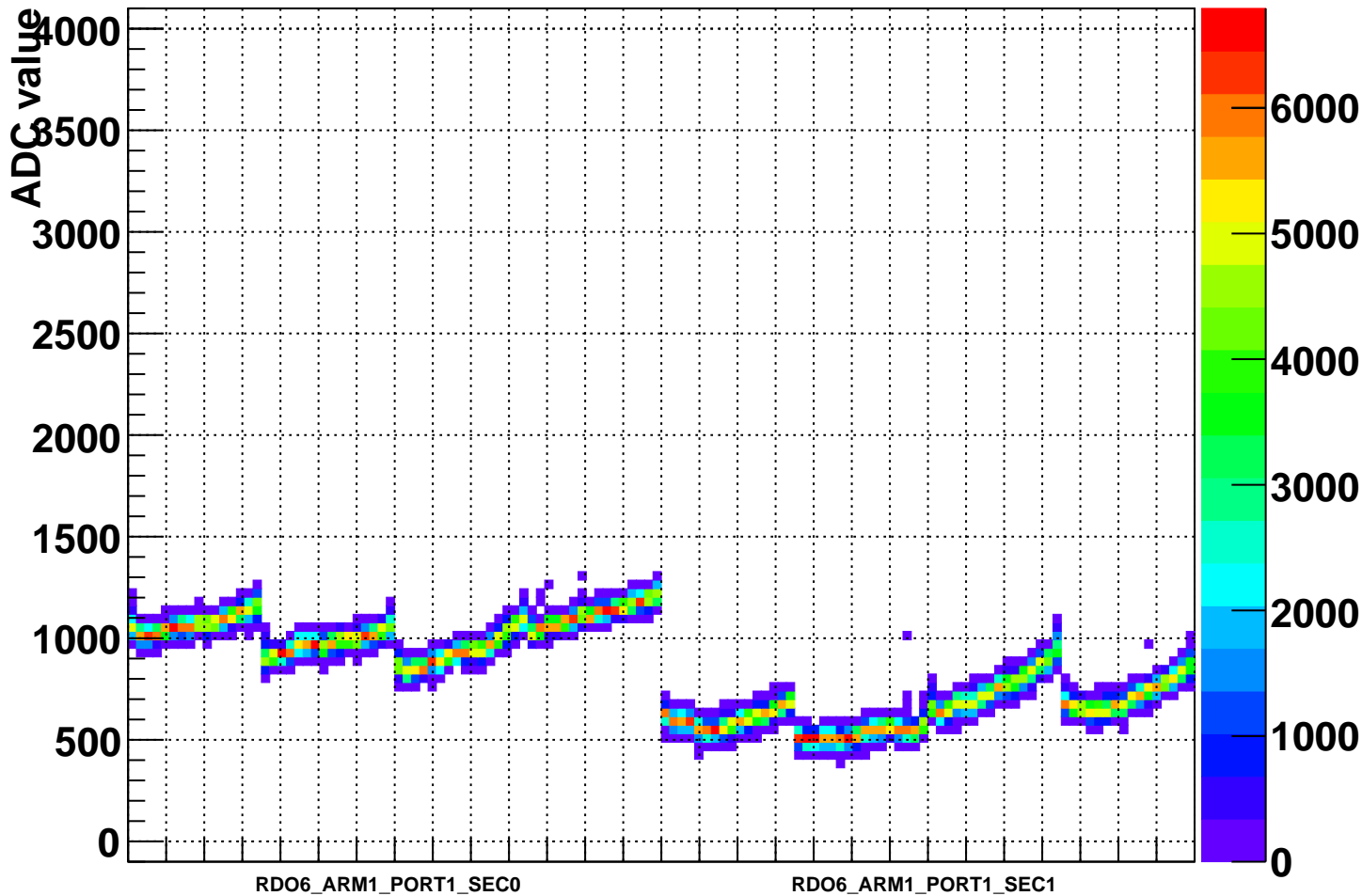
# FST - ADC vs Channel Id: Disk3Module8



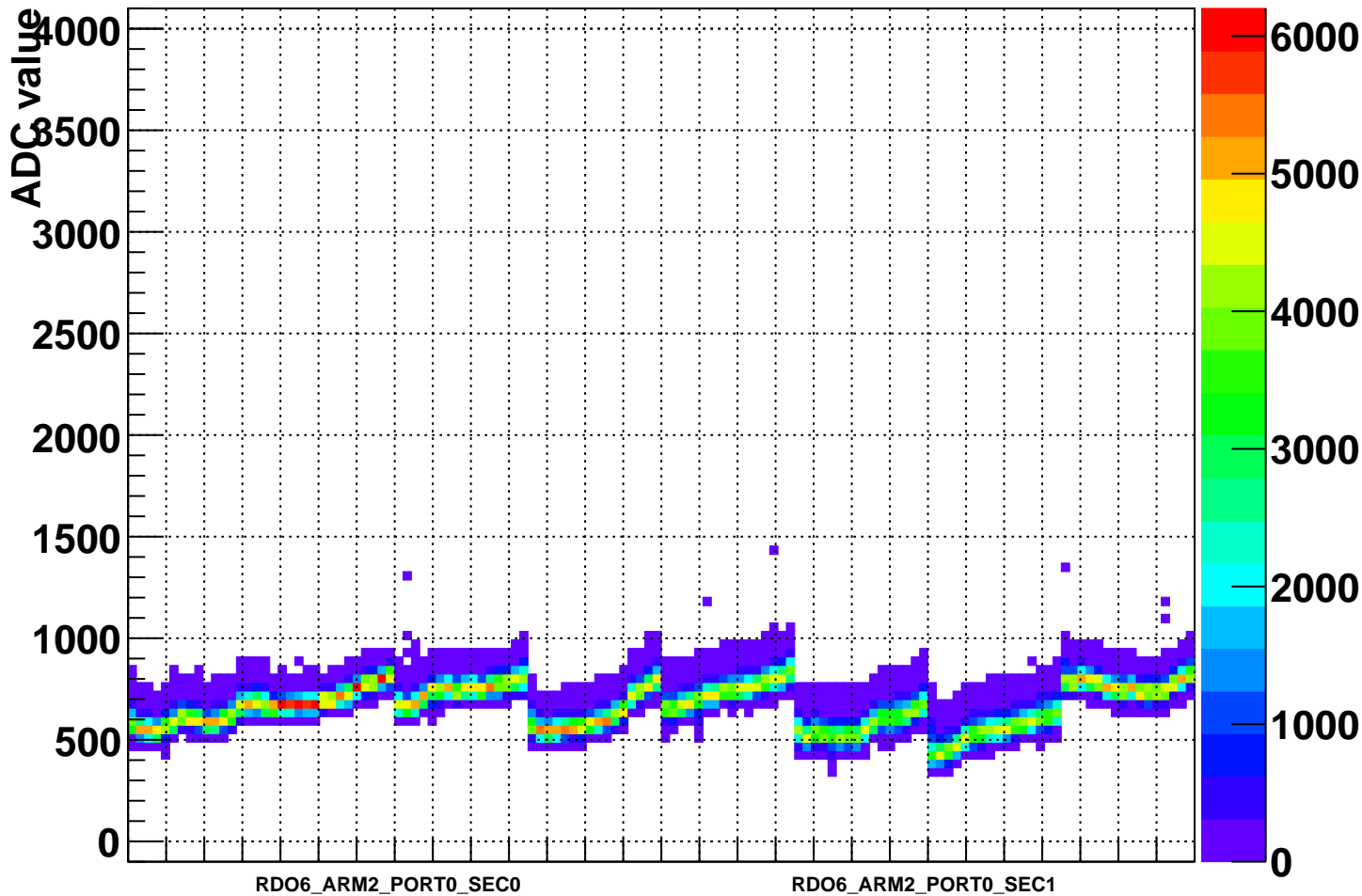
# FST - ADC vs Channel Id: Disk3 Module9



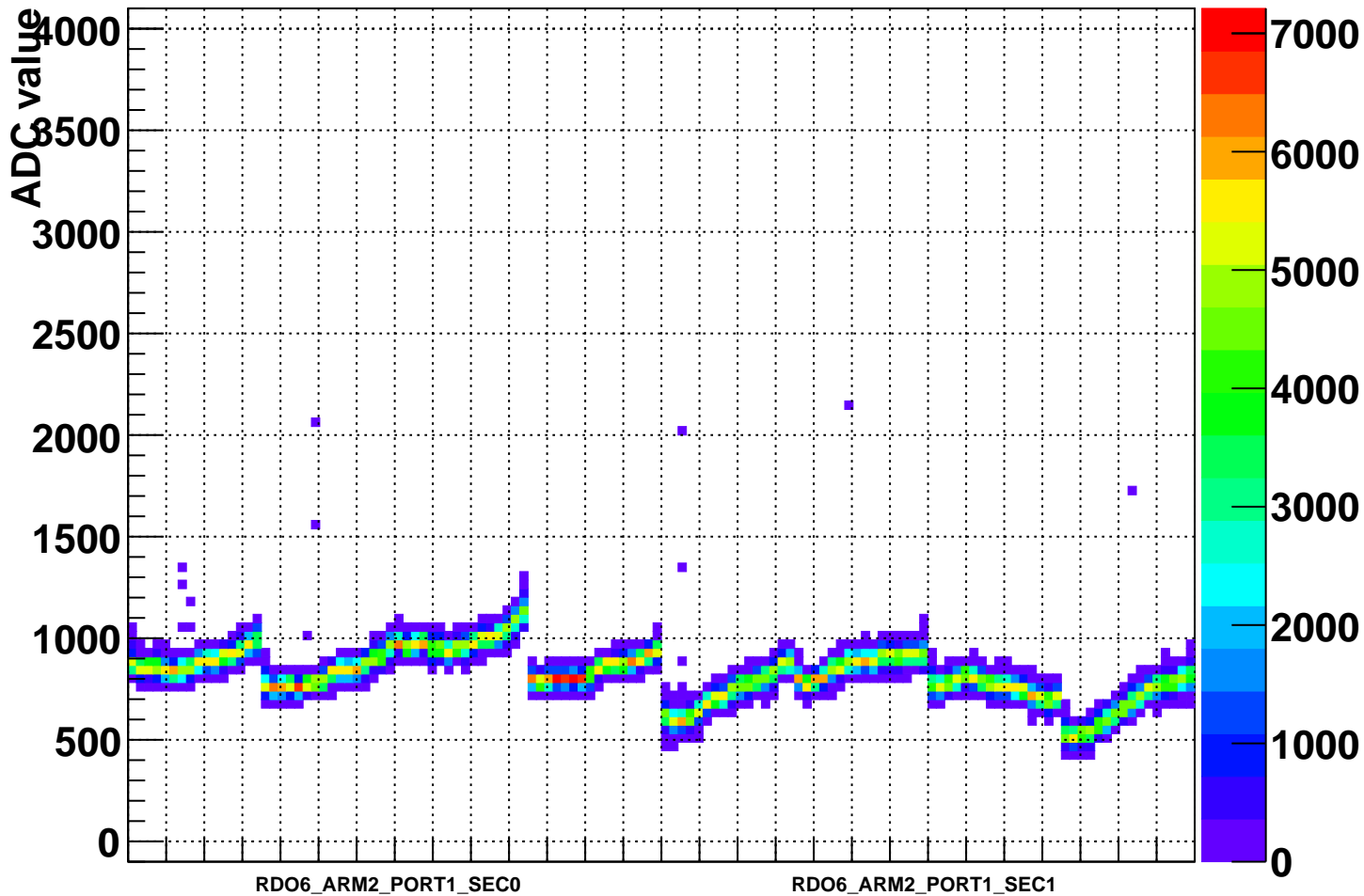
# FST - ADC vs Channel Id: Disk3 Module10



# FST - ADC vs Channel Id: Disk3 Module11

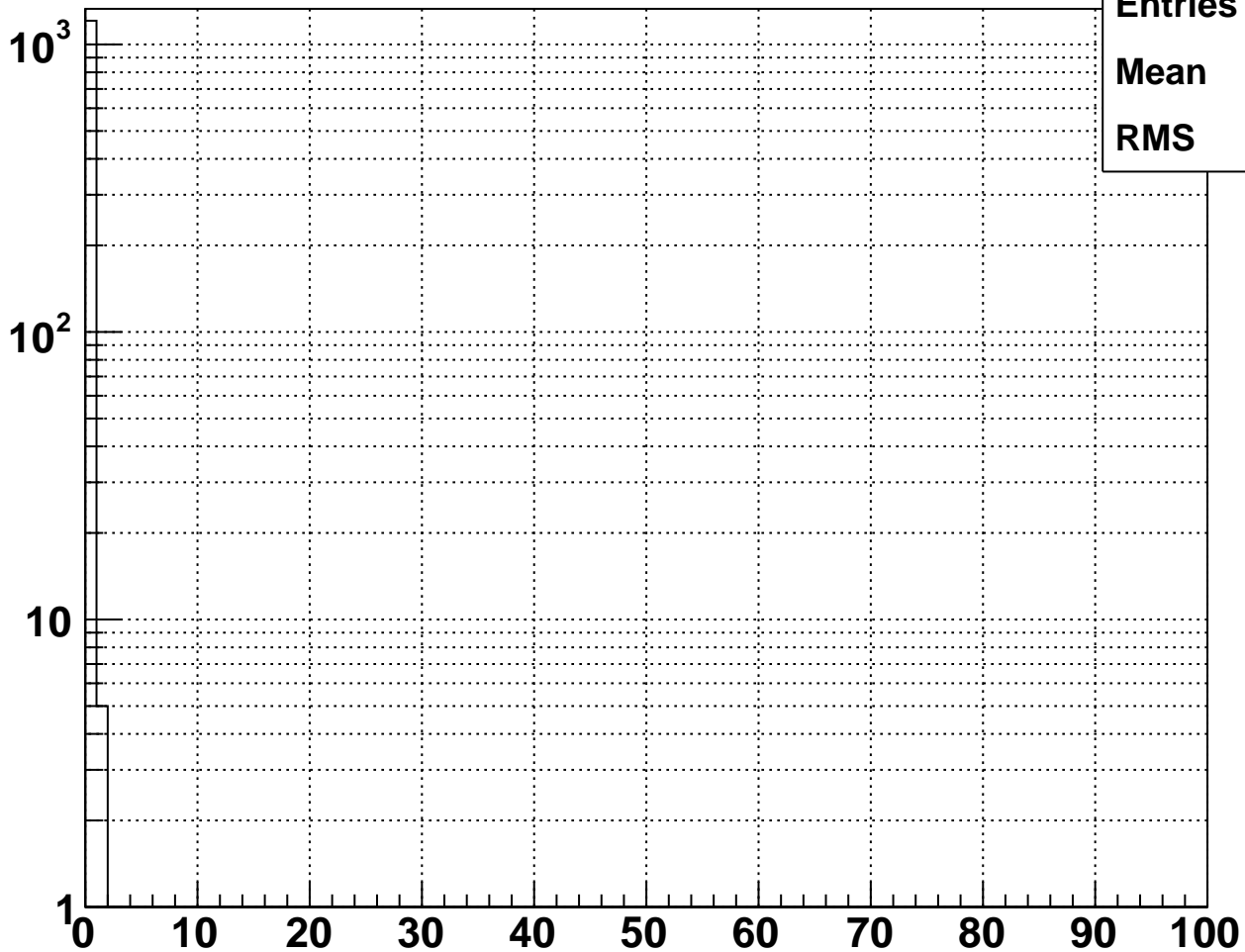


# FST - ADC vs Channel Id: Disk3 Module12



# FST - Hit Multiplicity: Disk1 Module1

Counts



HitMult\_Disk1\_Module1

Entries 1218

Mean 0.01806

RMS 0.2651



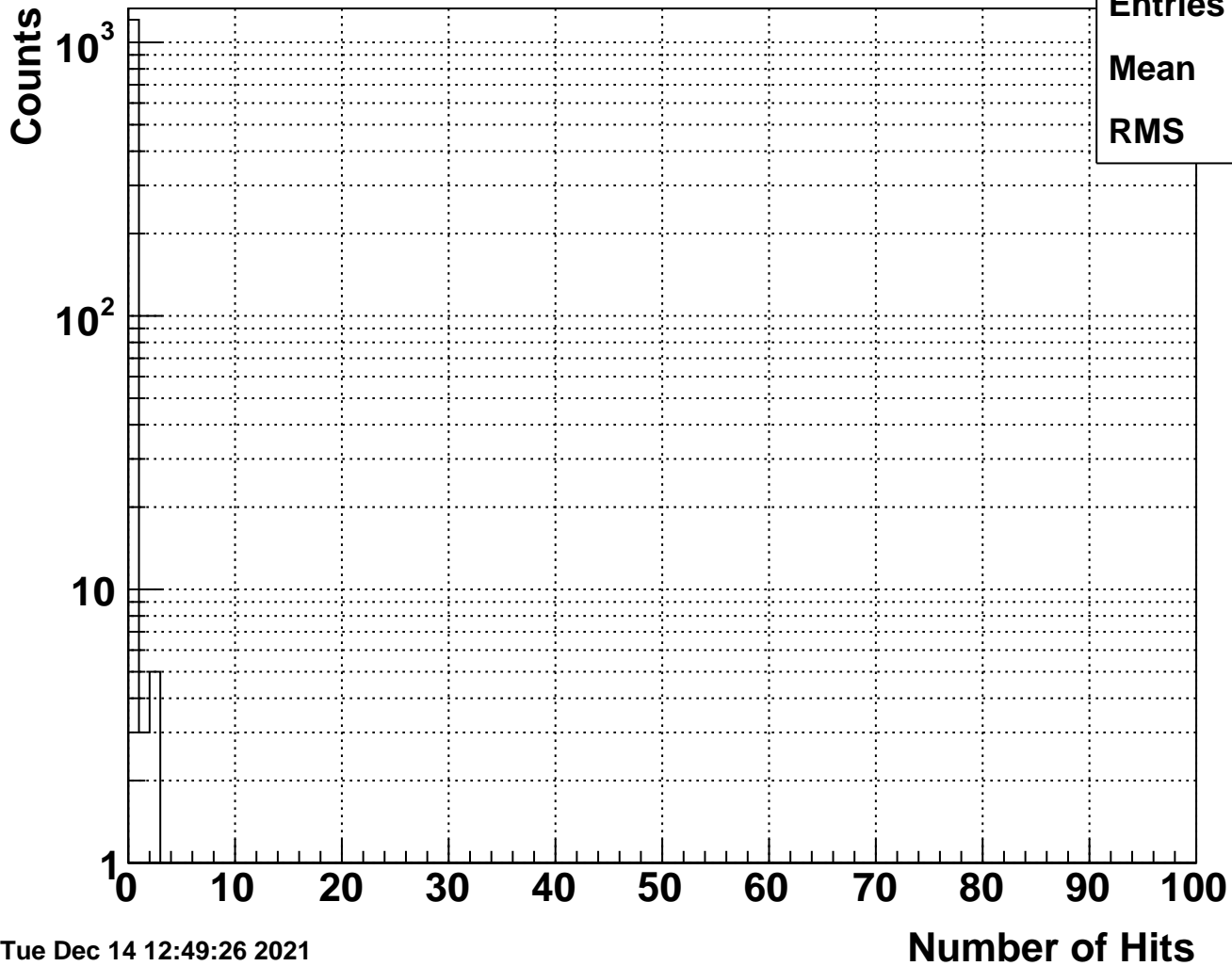
# FST - Hit Multiplicity: Disk1 Module2

HitMult\_Disk1\_Module2

**Entries** 1218

**Mean** 0.01067

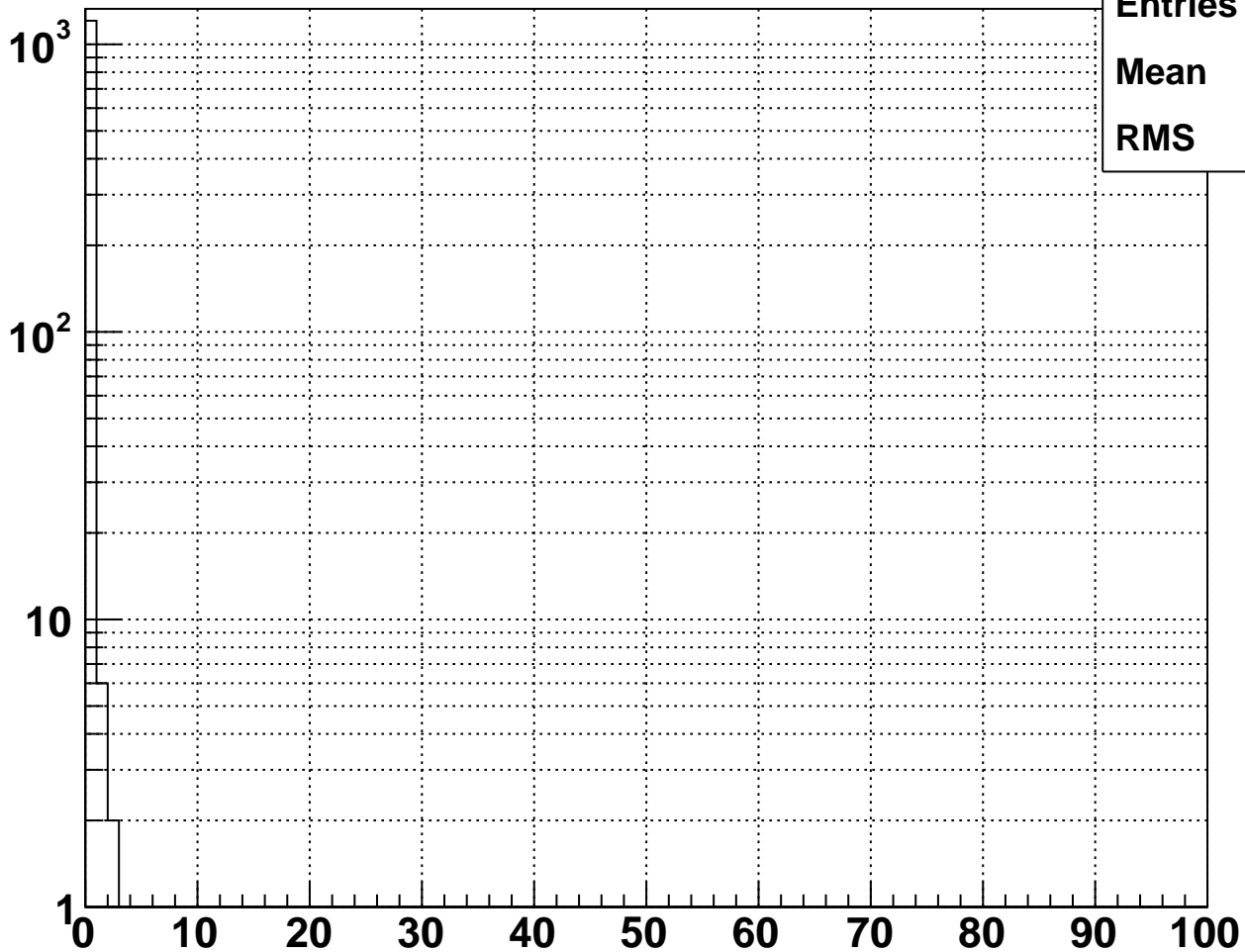
**RMS** 0.137



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# FST - Hit Multiplicity: Disk1 Module3

Counts



HitMult\_Disk1\_Module3

Entries 1218

Mean 0.01396

RMS 0.1784

Number of Hits

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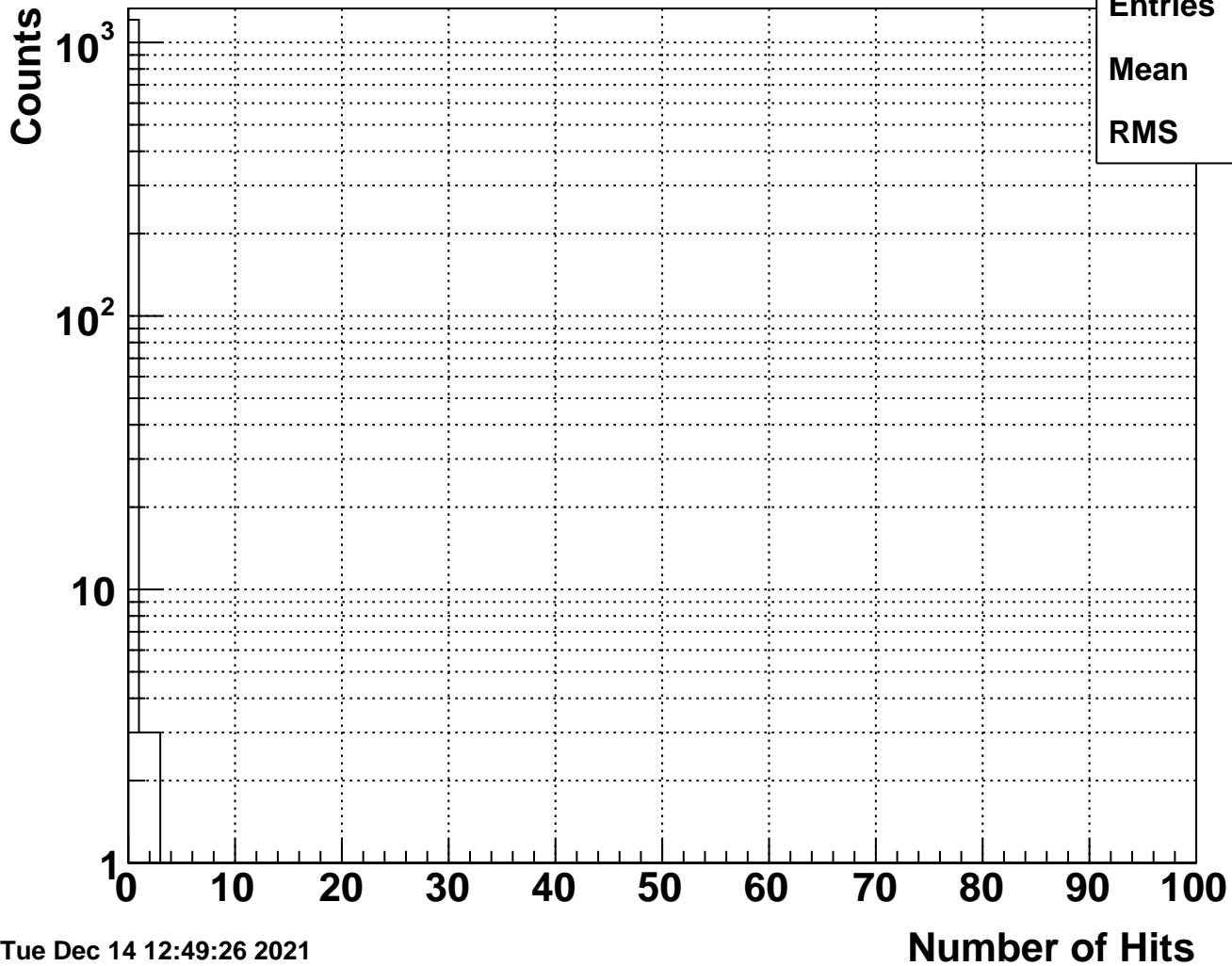
# FST - Hit Multiplicity: Disk1 Module4

HitMult\_Disk1\_Module4

**Entries** 1218

**Mean** 0.009852

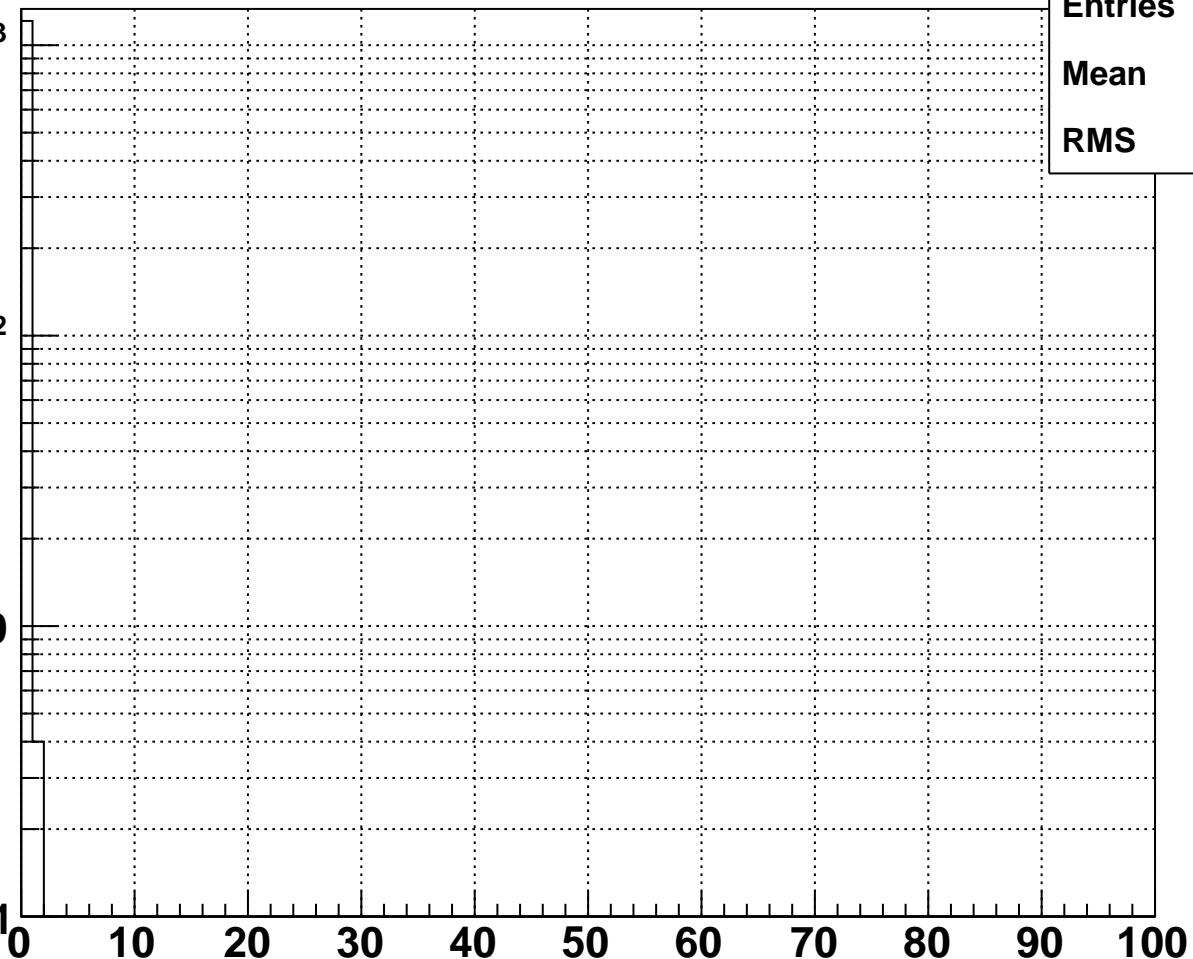
**RMS** 0.14



# FST - Hit Multiplicity: Disk1 Module5

Counts

$10^3$   
 $10^2$   
10  
1



HitMult\_Disk1\_Module5

**Entries** 1218

**Mean** 0.009852

**RMS** 0.1898

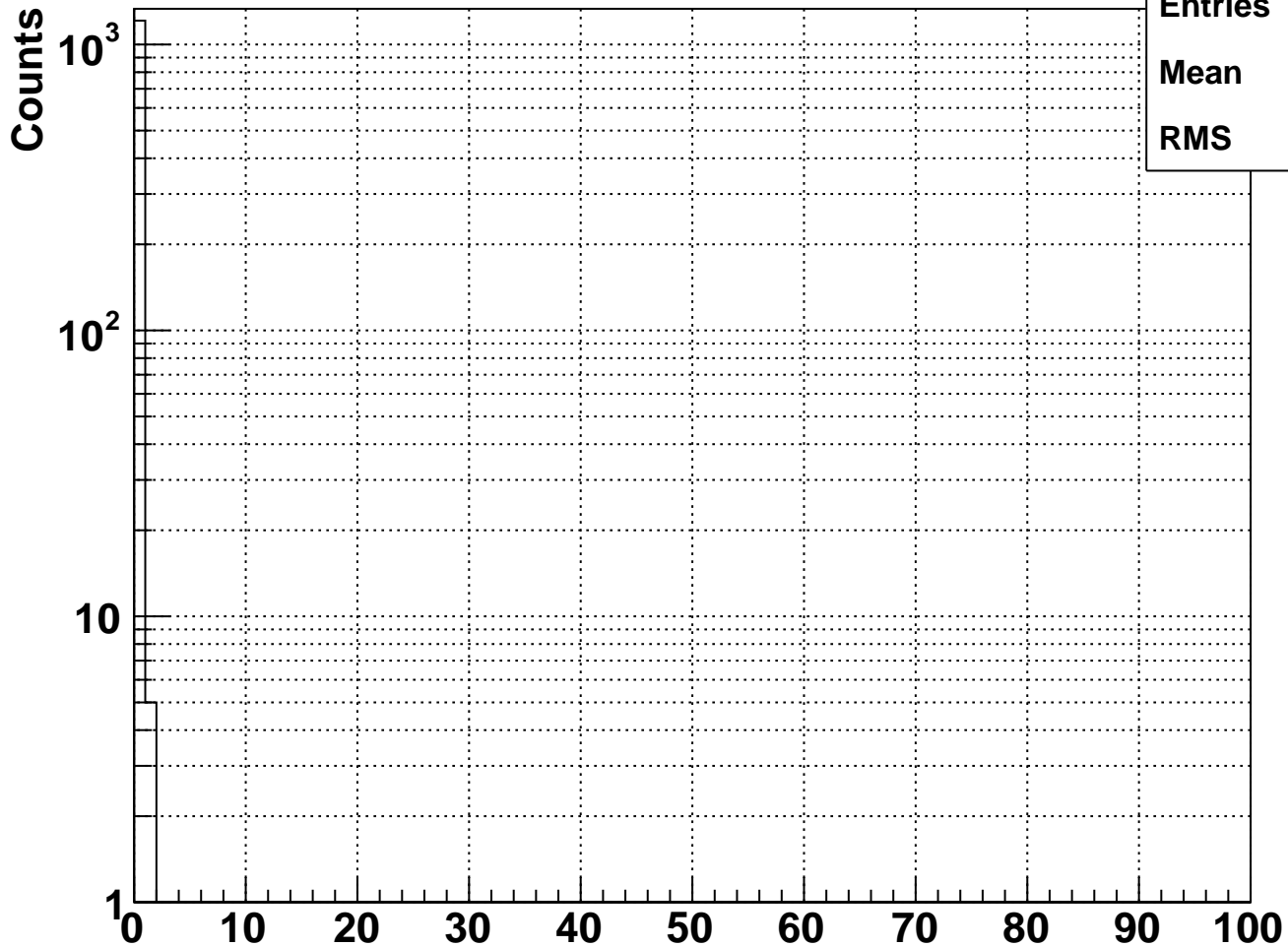
# FST - Hit Multiplicity: Disk1 Module6

HitMult\_Disk1\_Module6

**Entries** 1218

**Mean** 0.005747

**RMS** 0.08577



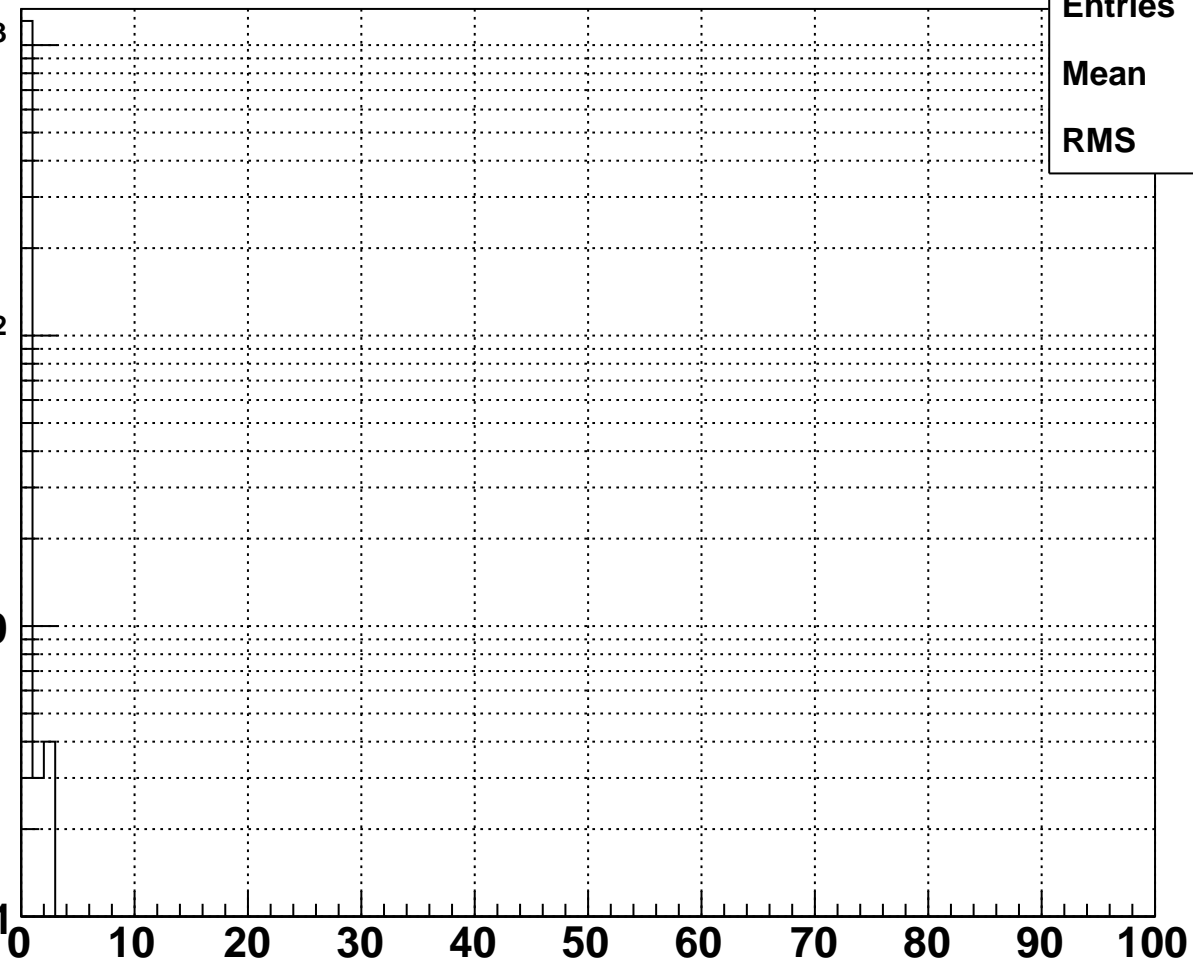
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**Number of Hits**

# FST - Hit Multiplicity: Disk1 Module7

Counts

$10^3$   
 $10^2$   
10  
1



HitMult\_Disk1\_Module7

**Entries** 1218

**Mean** 0.009031

**RMS** 0.1246

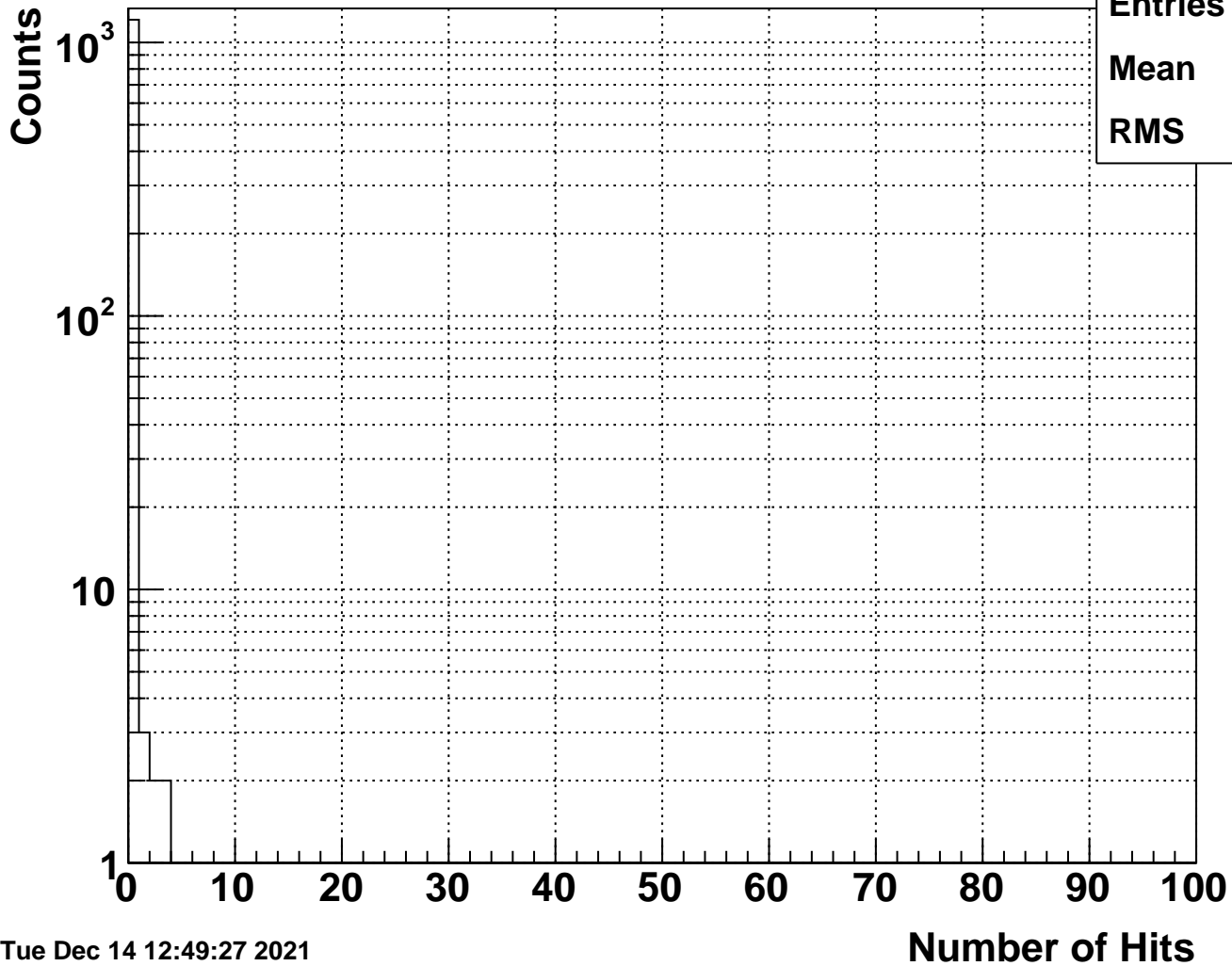
# FST - Hit Multiplicity: Disk1 Module8

HitMult\_Disk1\_Module8

**Entries** 1218

**Mean** 0.01067

**RMS** 0.1539



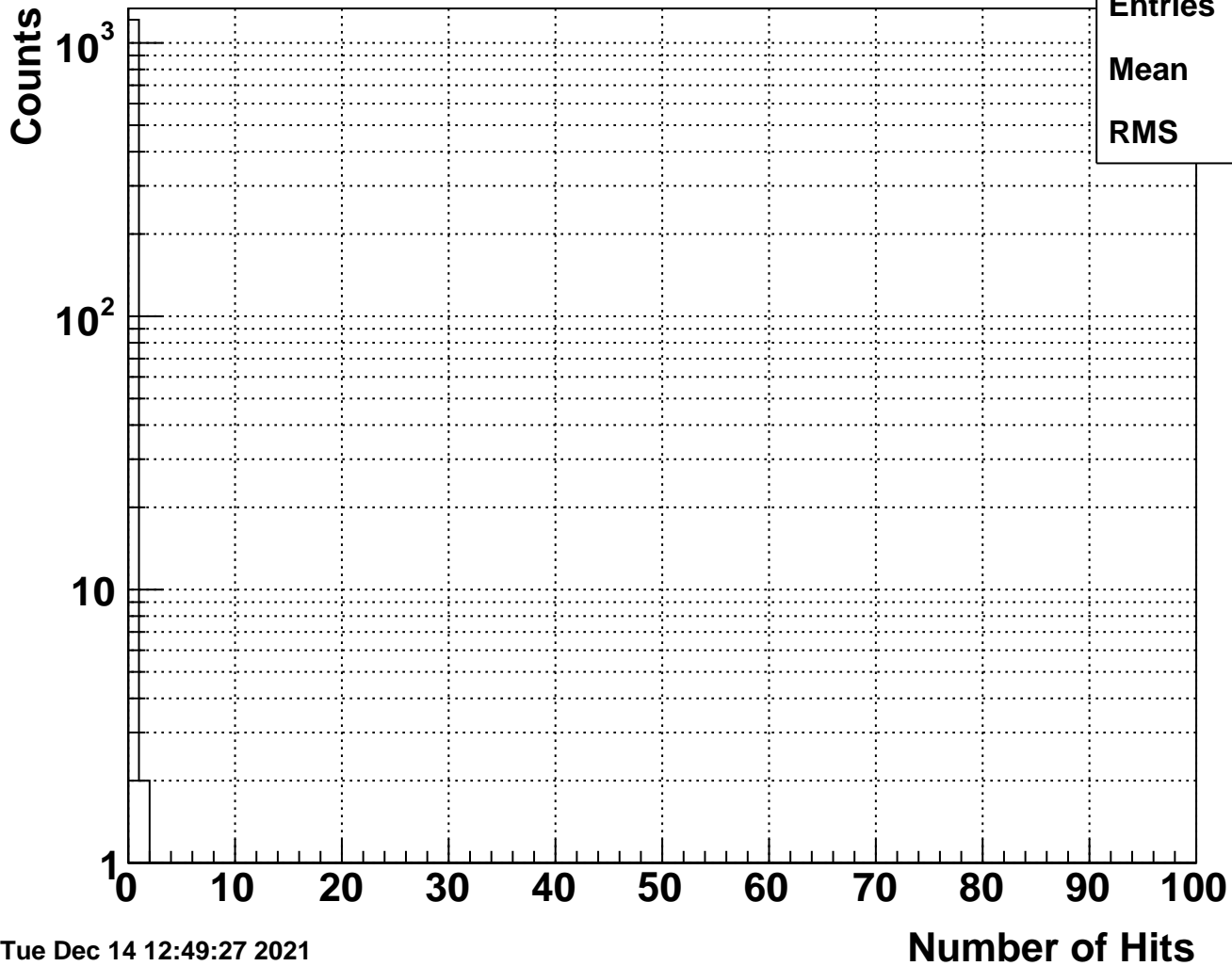
# FST - Hit Multiplicity: Disk1 Module9

HitMult\_Disk1\_Module9

**Entries** 1218

**Mean** 0.001642

**RMS** 0.04049





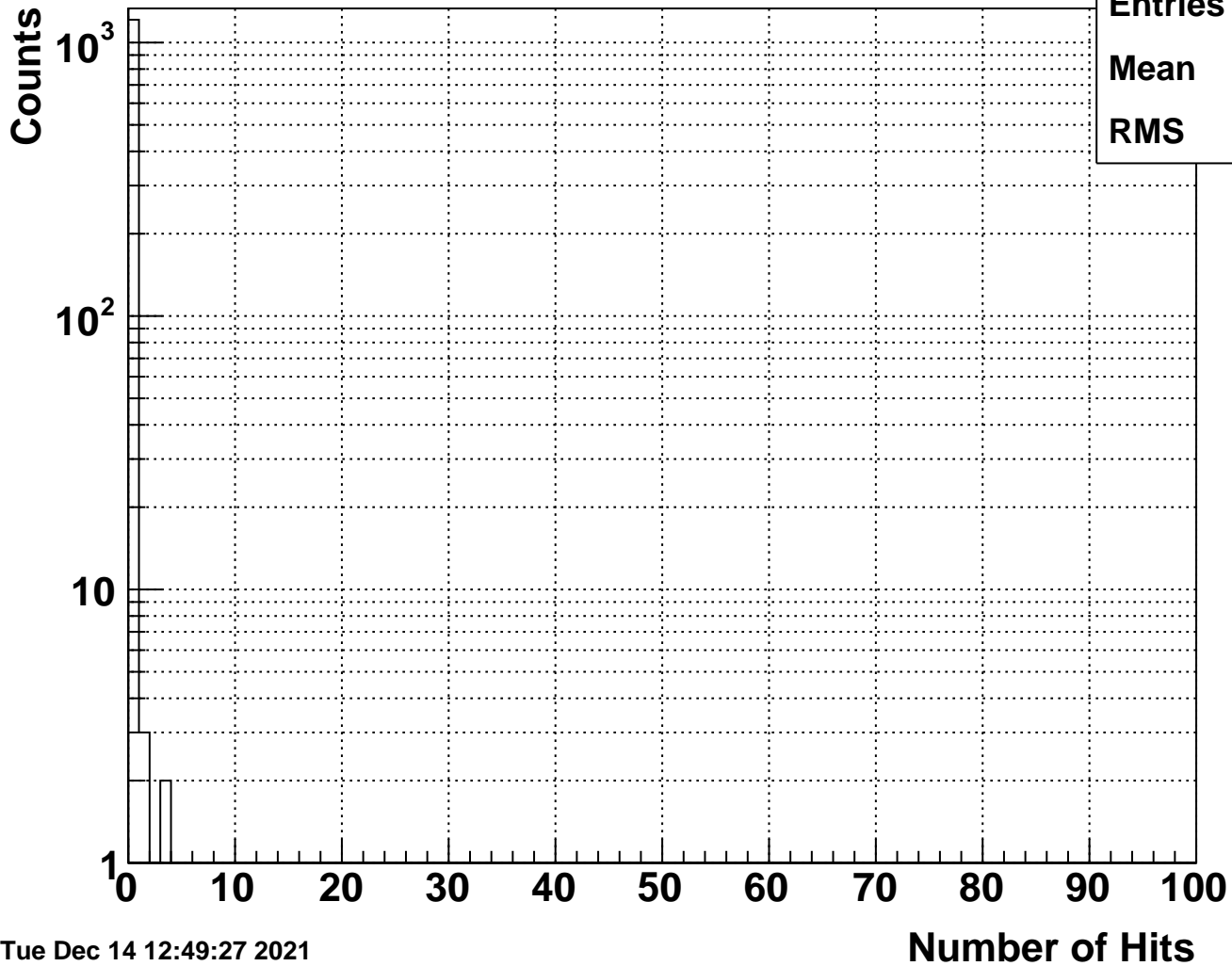
# FST - Hit Multiplicity: Disk1 Module10

HitMult\_Disk1\_Module10

**Entries** 1218

**Mean** 0.01478

**RMS** 0.289



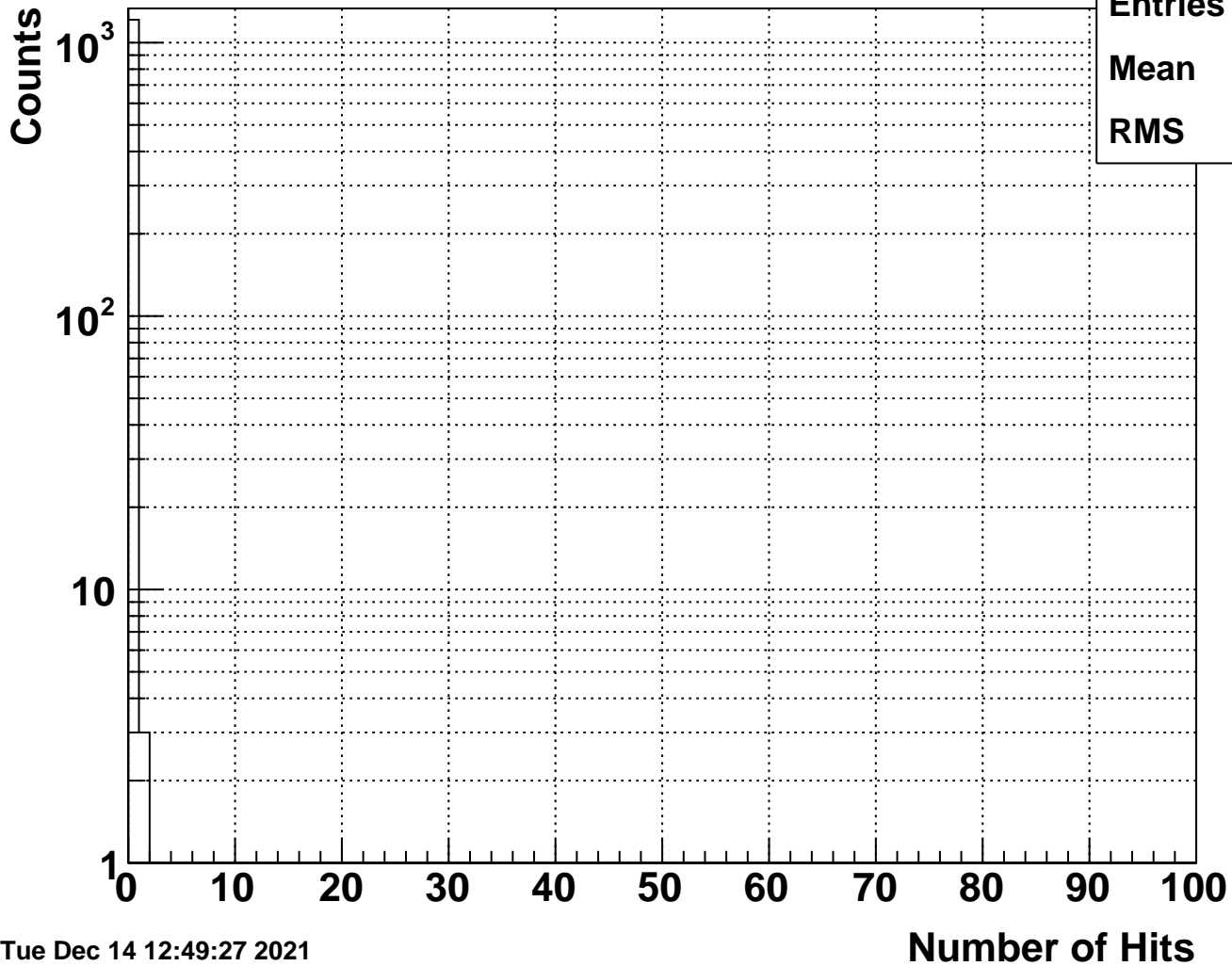
# FST - Hit Multiplicity: Disk1 Module11

HitMult\_Disk1\_Module11

**Entries** 1218

**Mean** 0.06404

**RMS** 2.092



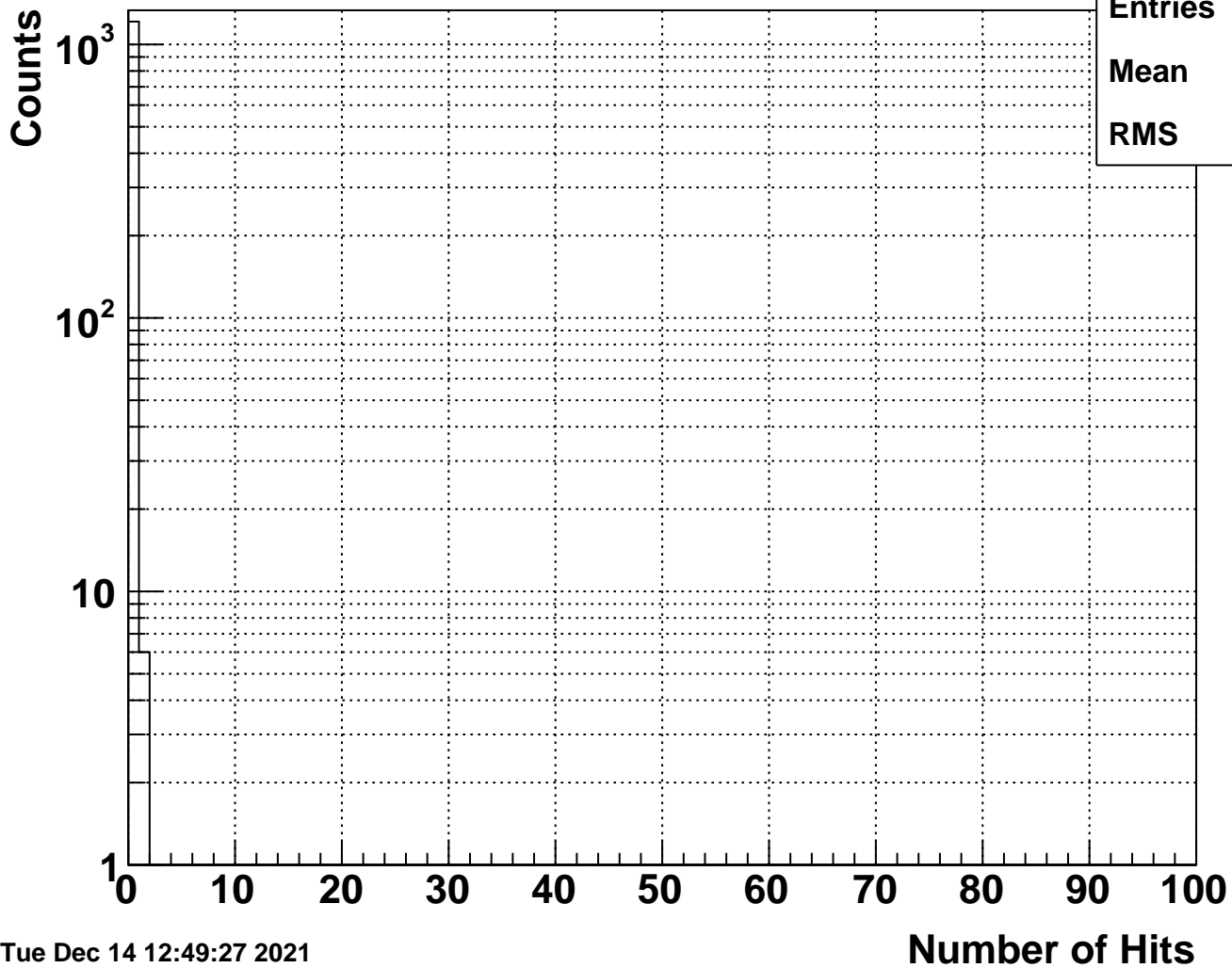
# FST - Hit Multiplicity: Disk1 Module12

HitMult\_Disk1\_Module12

**Entries** 1218

**Mean** 0.004926

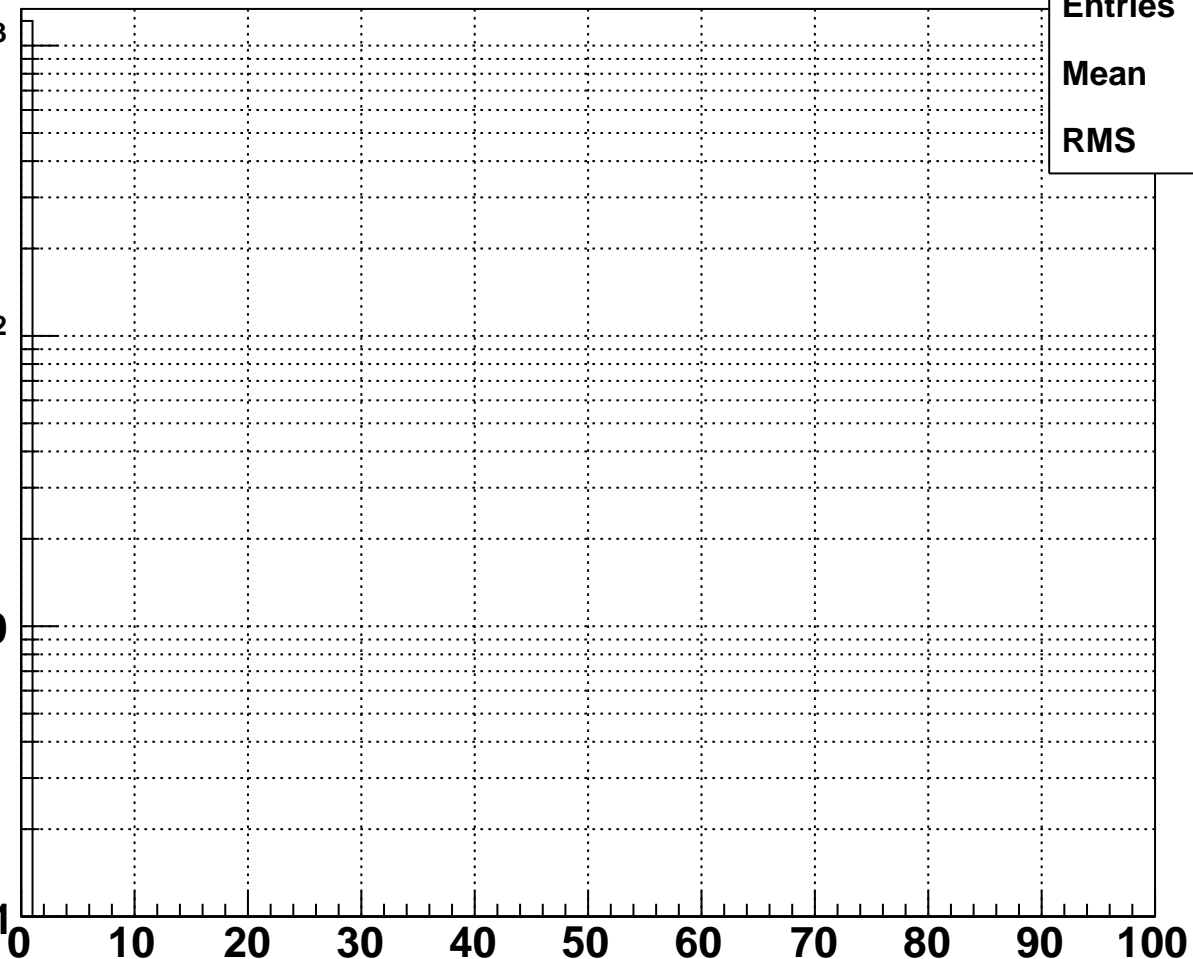
**RMS** 0.07001



# FST - Hit Multiplicity: Disk2 Module1

Counts

$10^3$   
 $10^2$   
10  
1



HitMult\_Disk2\_Module1

**Entries** 1218

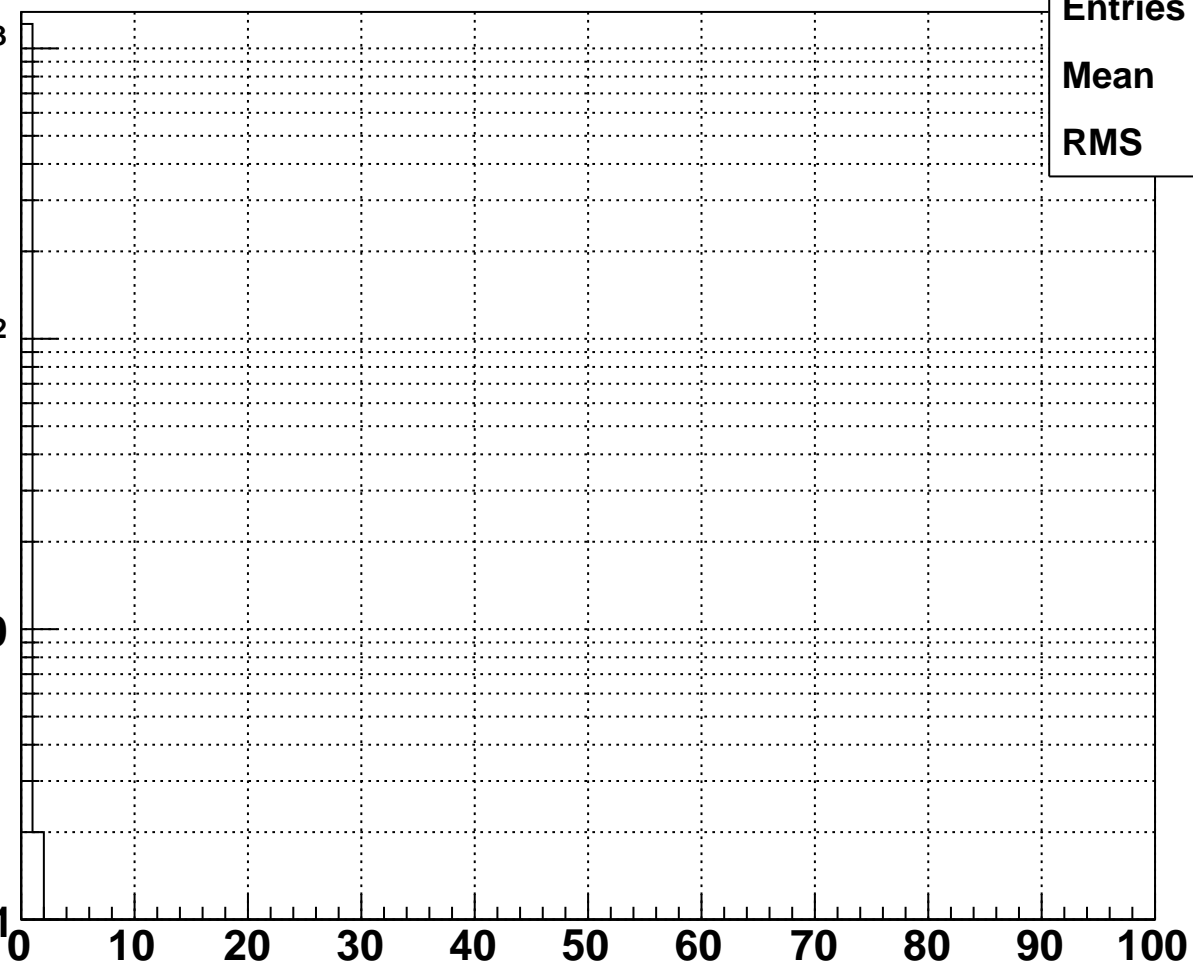
**Mean** 0.002463

**RMS** 0.06402

# FST - Hit Multiplicity: Disk2 Module2

Counts

$10^3$   
 $10^2$   
10  
1



HitMult\_Disk2\_Module2

Entries 1218

Mean 0.00821

RMS 0.1855

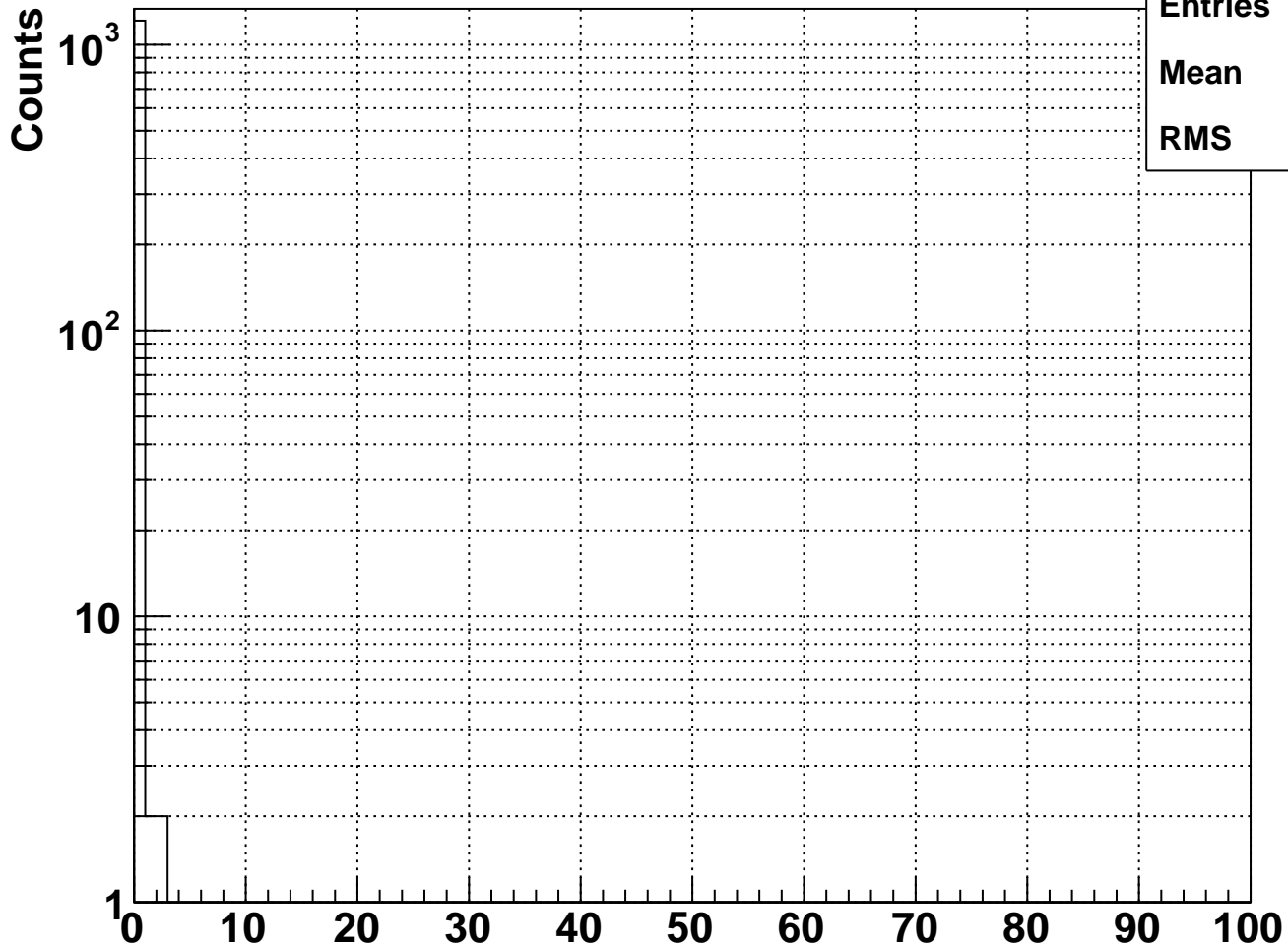
# FST - Hit Multiplicity: Disk2 Module3

HitMult\_Disk2\_Module3

**Entries** 1218

**Mean** 0.004926

**RMS** 0.09048



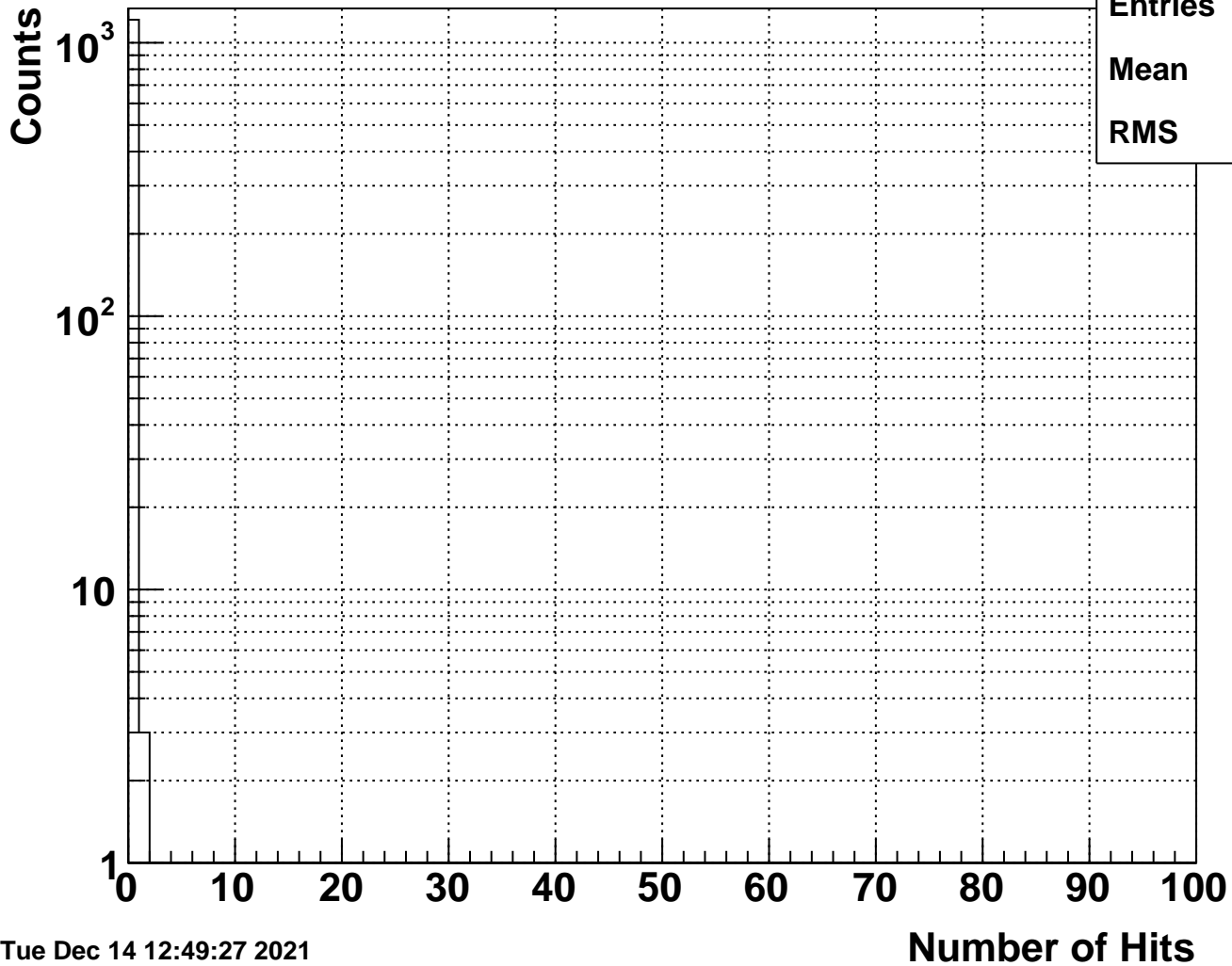
# FST - Hit Multiplicity: Disk2 Module4

HitMult\_Disk2\_Module4

**Entries** 1218

**Mean** 0.004105

**RMS** 0.0757



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Number of Hits

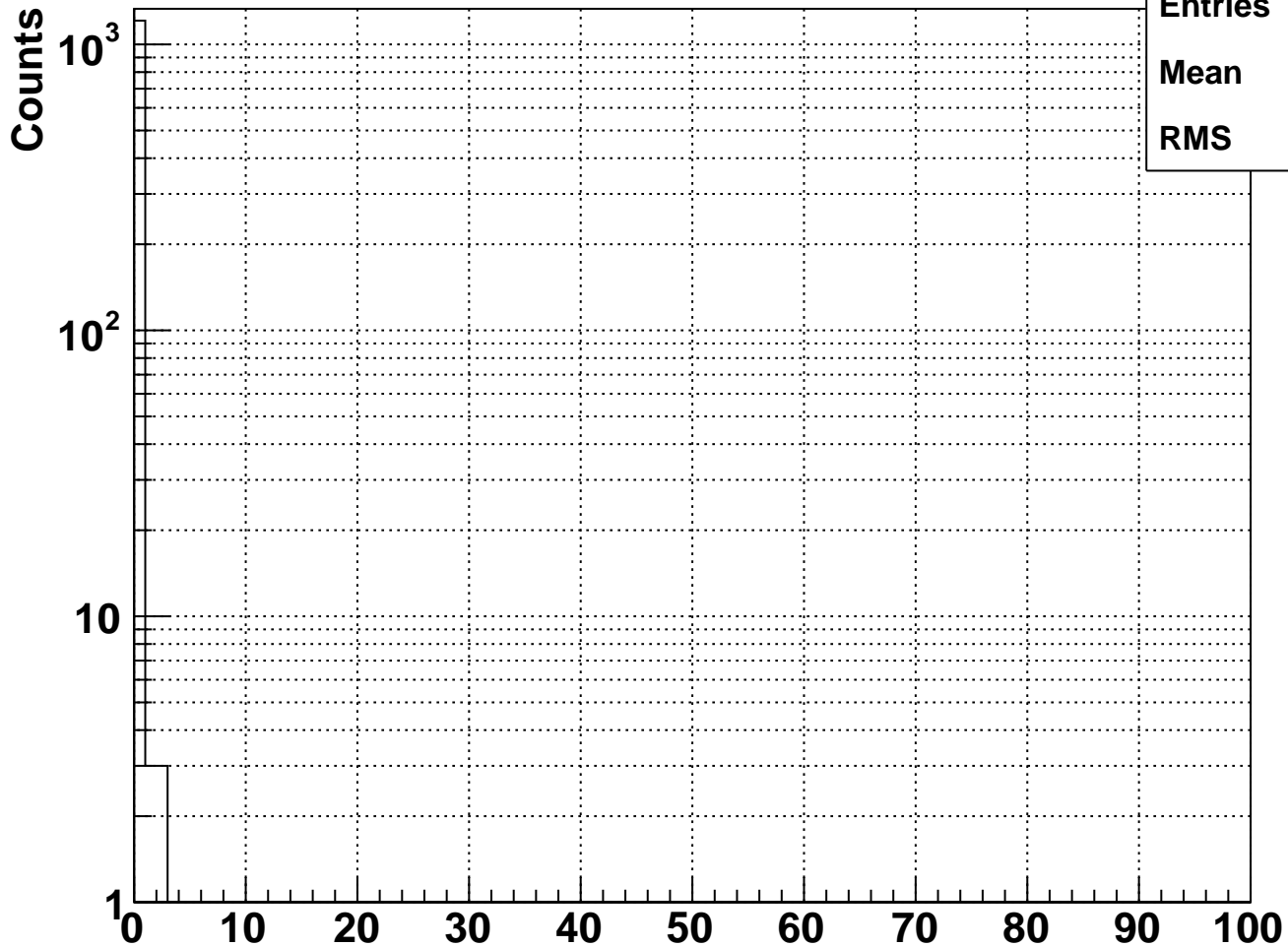
# FST - Hit Multiplicity: Disk2 Module5

HitMult\_Disk2\_Module5

**Entries** 1218

**Mean** 0.009852

**RMS** 0.14





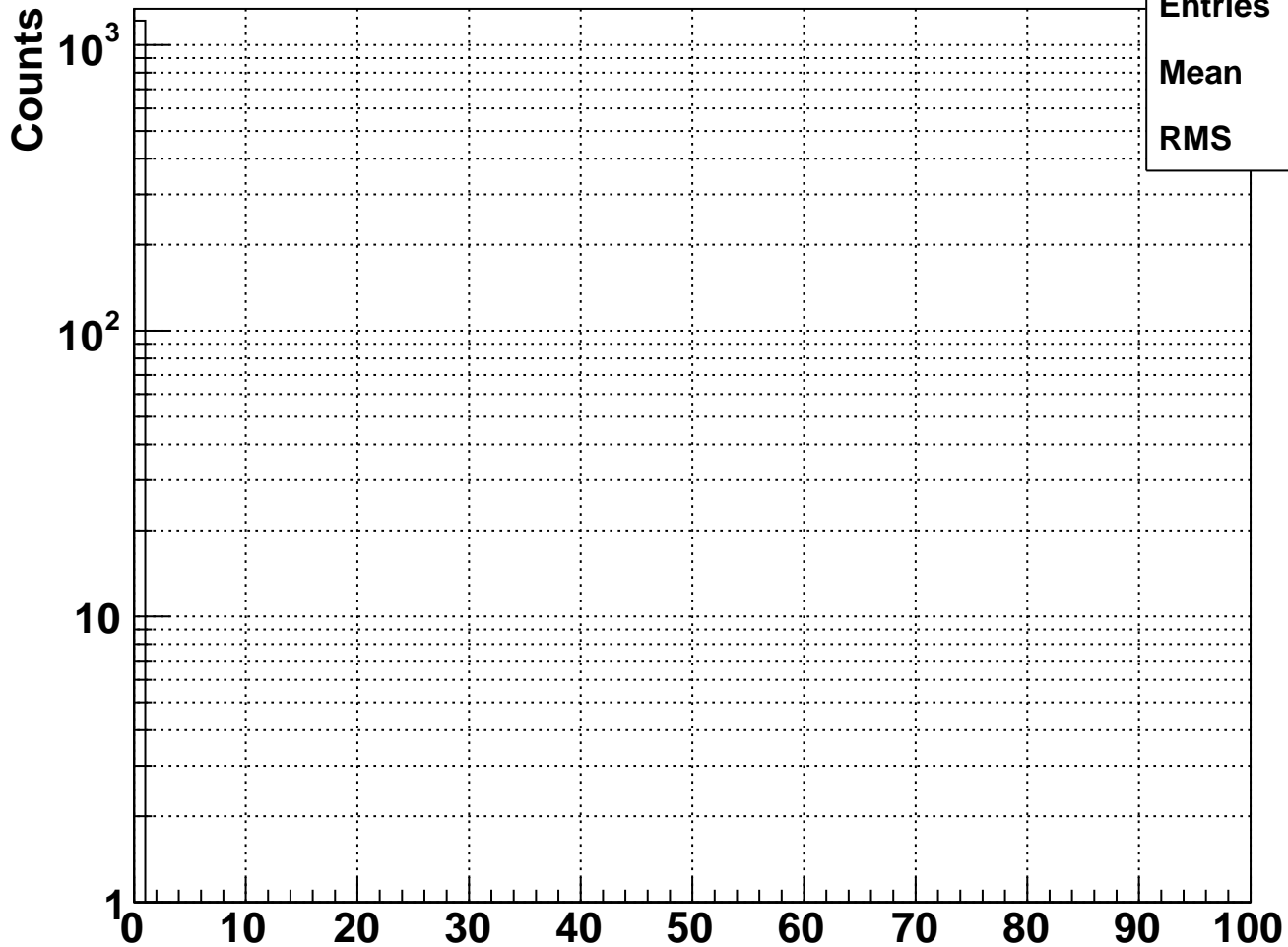
# FST - Hit Multiplicity: Disk2 Module6

HitMult\_Disk2\_Module6

**Entries** 1218

**Mean** 0.001642

**RMS** 0.05728



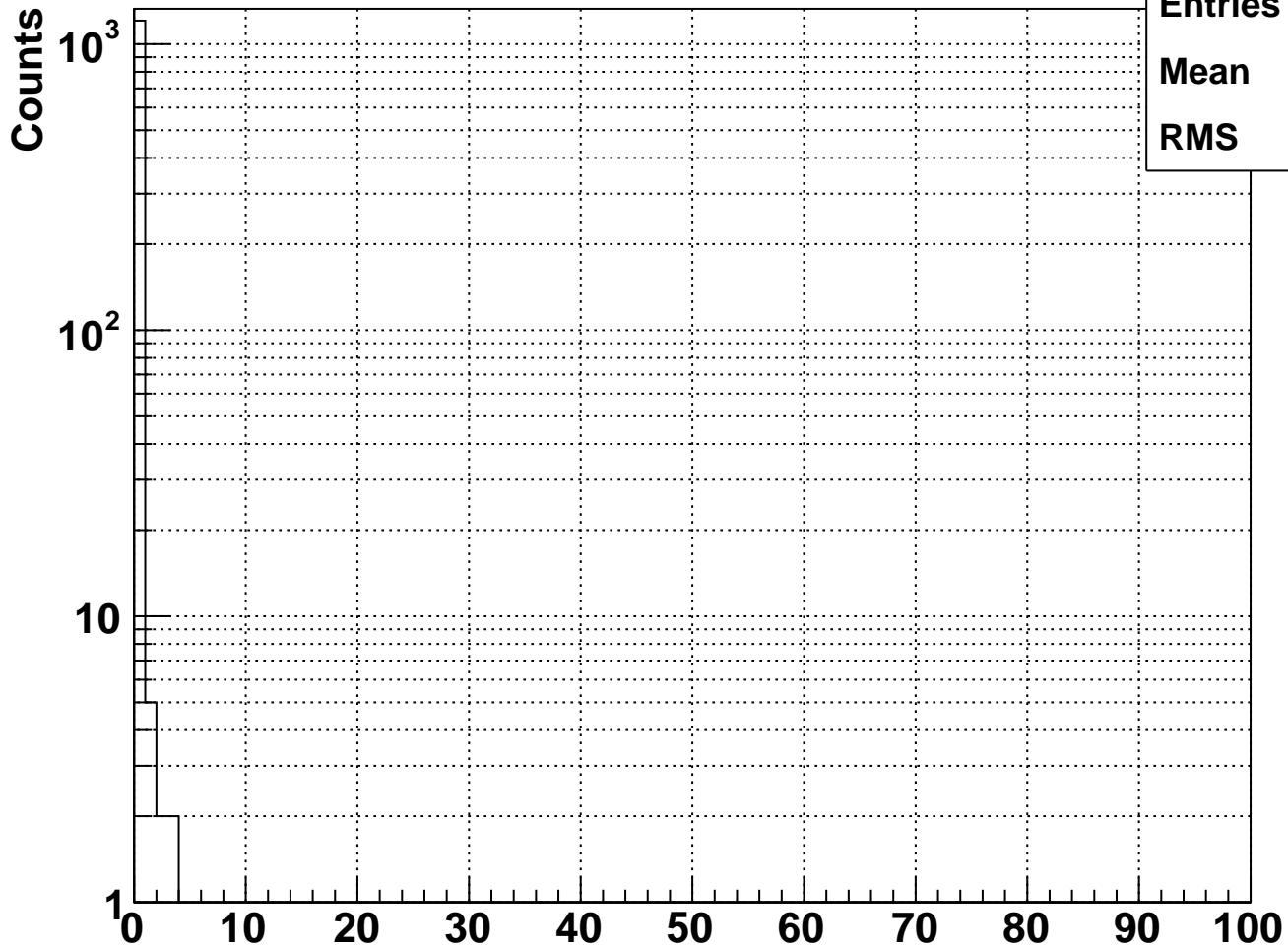
# FST - Hit Multiplicity: Disk2 Module7

HitMult\_Disk2\_Module7

**Entries** 1218

**Mean** 0.0156

**RMS** 0.1958



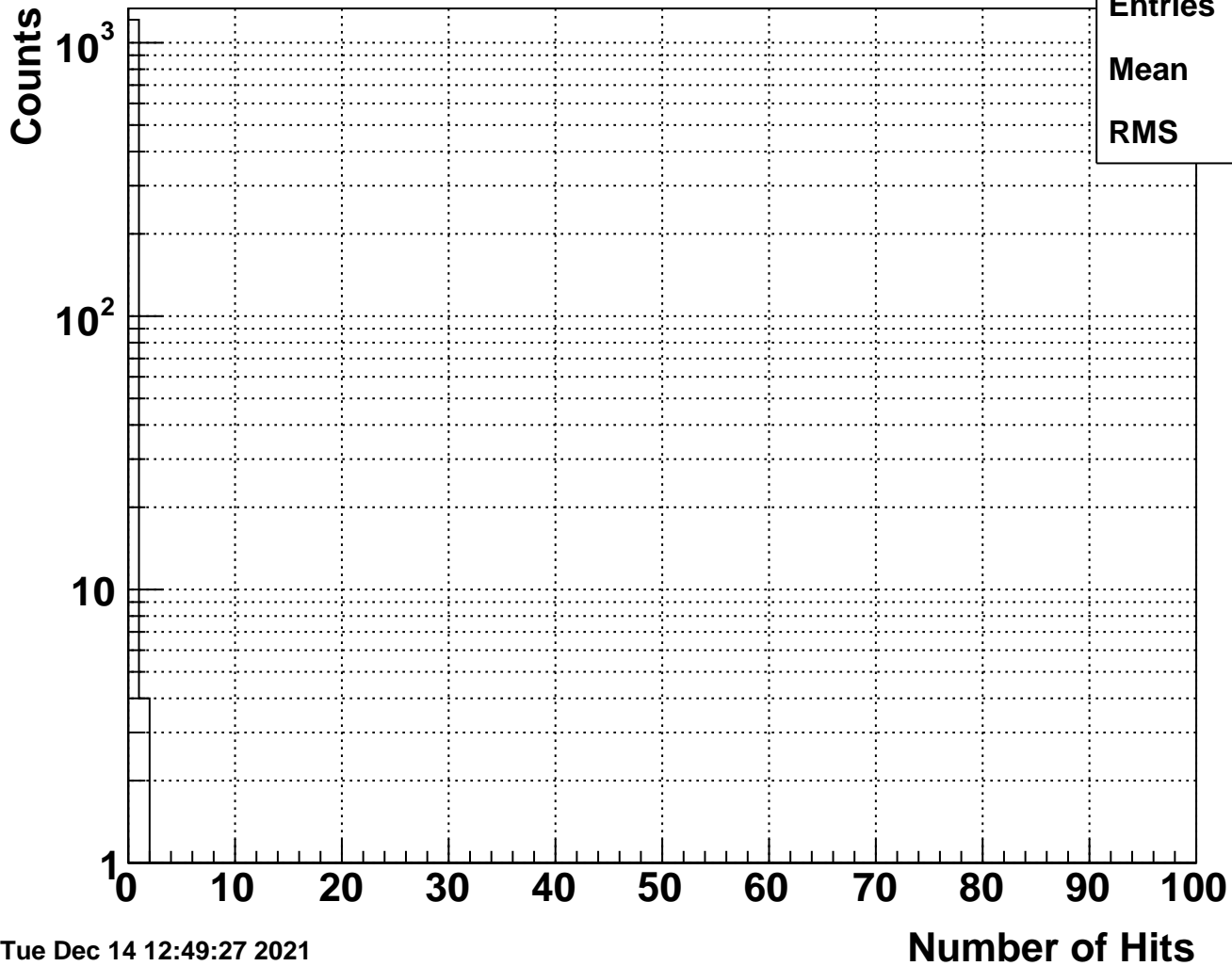
# FST - Hit Multiplicity: Disk2 Module8

HitMult\_Disk2\_Module8

**Entries** 1218

**Mean** 0.003284

**RMS** 0.05721



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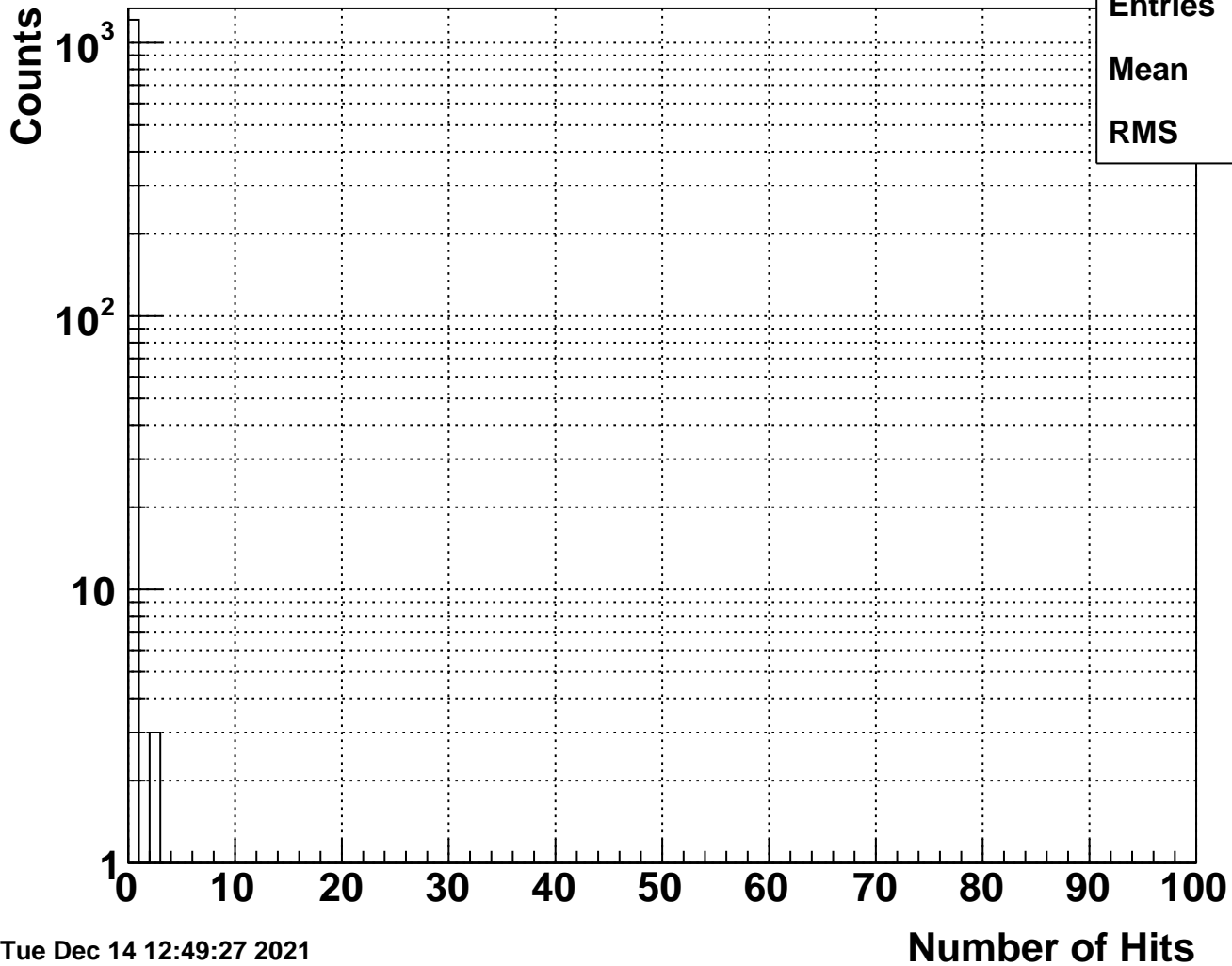
# FST - Hit Multiplicity: Disk2 Module9

HitMult\_Disk2\_Module9

**Entries** 1218

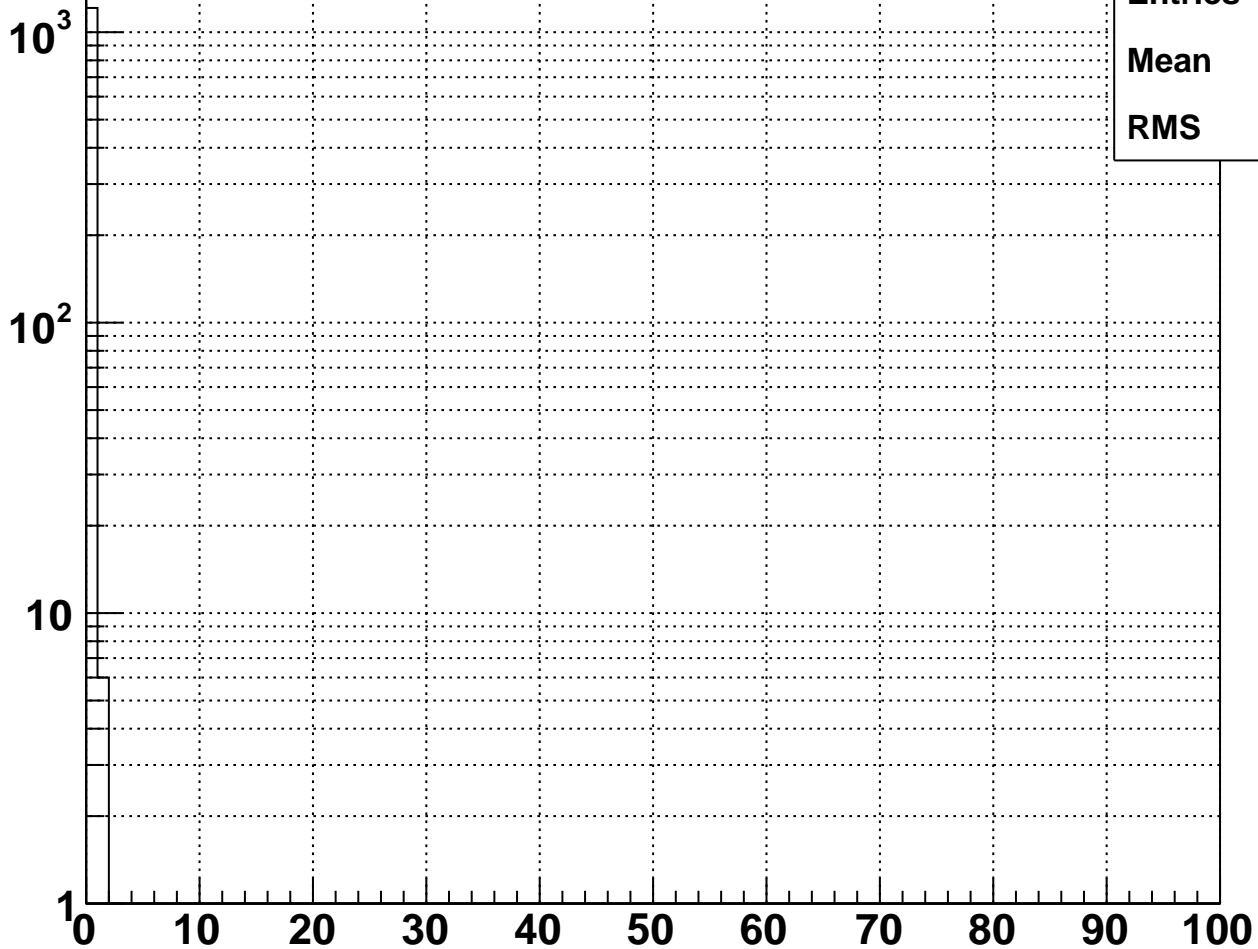
**Mean** 0.007389

**RMS** 0.1311



# FST - Hit Multiplicity: Disk2 Module10

Counts



HitMult\_Disk2\_Module10

**Entries** 1218

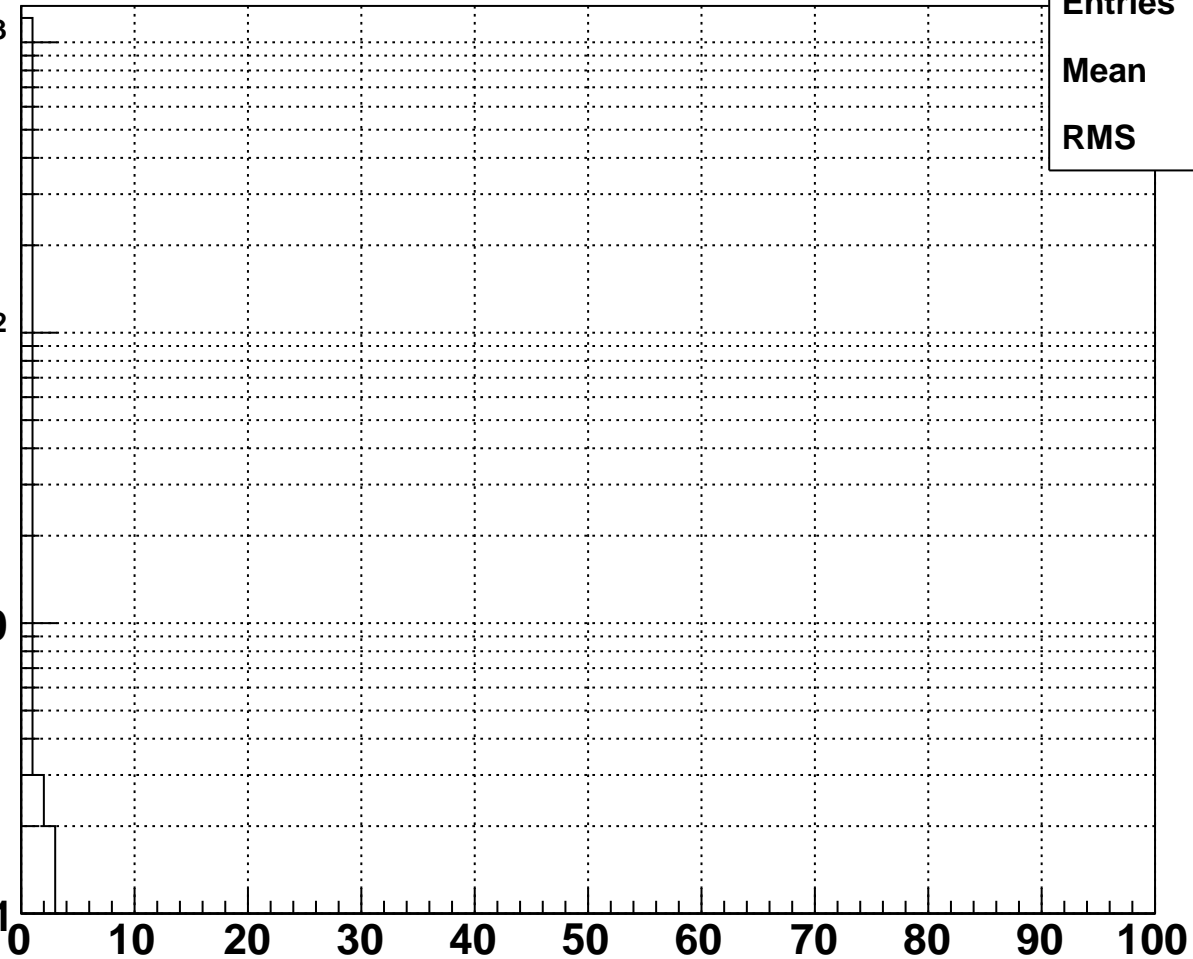
**Mean** 0.004926

**RMS** 0.07001

# FST - Hit Multiplicity: Disk2 Module11

Counts

$10^3$   
 $10^2$   
10  
1



HitMult\_Disk2\_Module11

Entries 1218

Mean 0.005747

RMS 0.09486

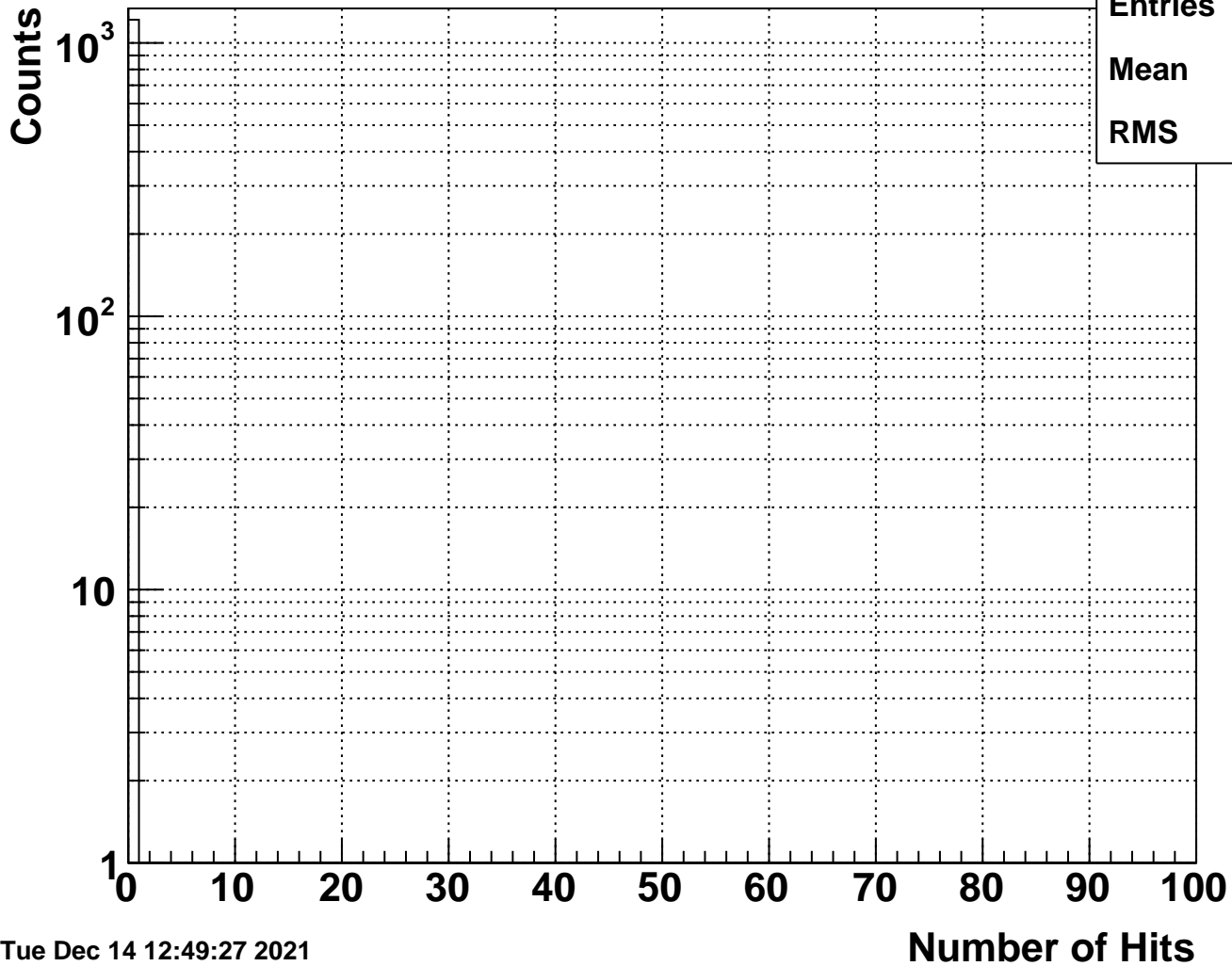
# FST - Hit Multiplicity: Disk2 Module12

HitMult\_Disk2\_Module12

**Entries** 1218

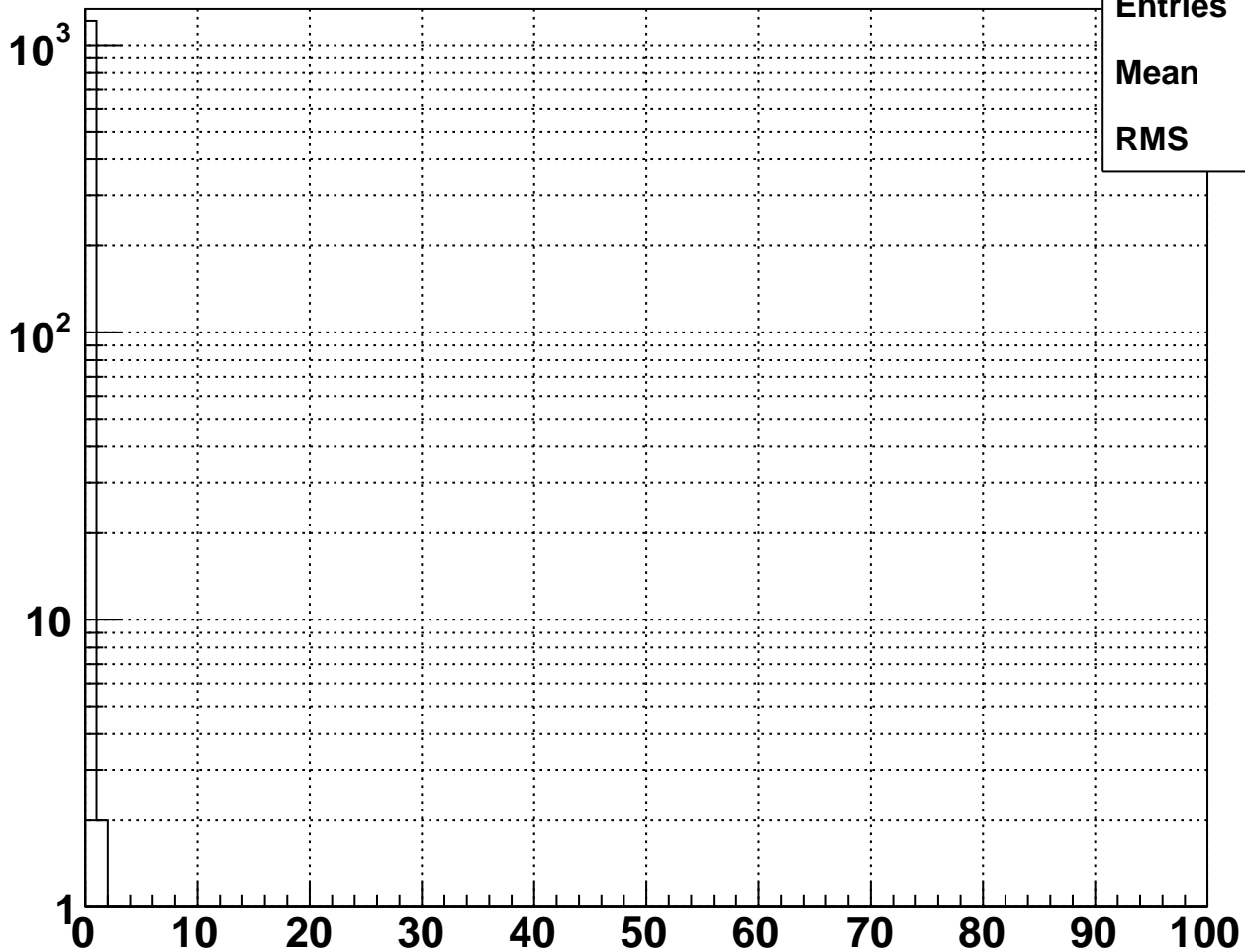
**Mean** 0.002463

**RMS** 0.06402



# FST - Hit Multiplicity: Disk3 Module1

Counts



HitMult\_Disk3\_Module1

**Entries** 1218

**Mean** 0.009031

**RMS** 0.2609

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**Number of Hits**



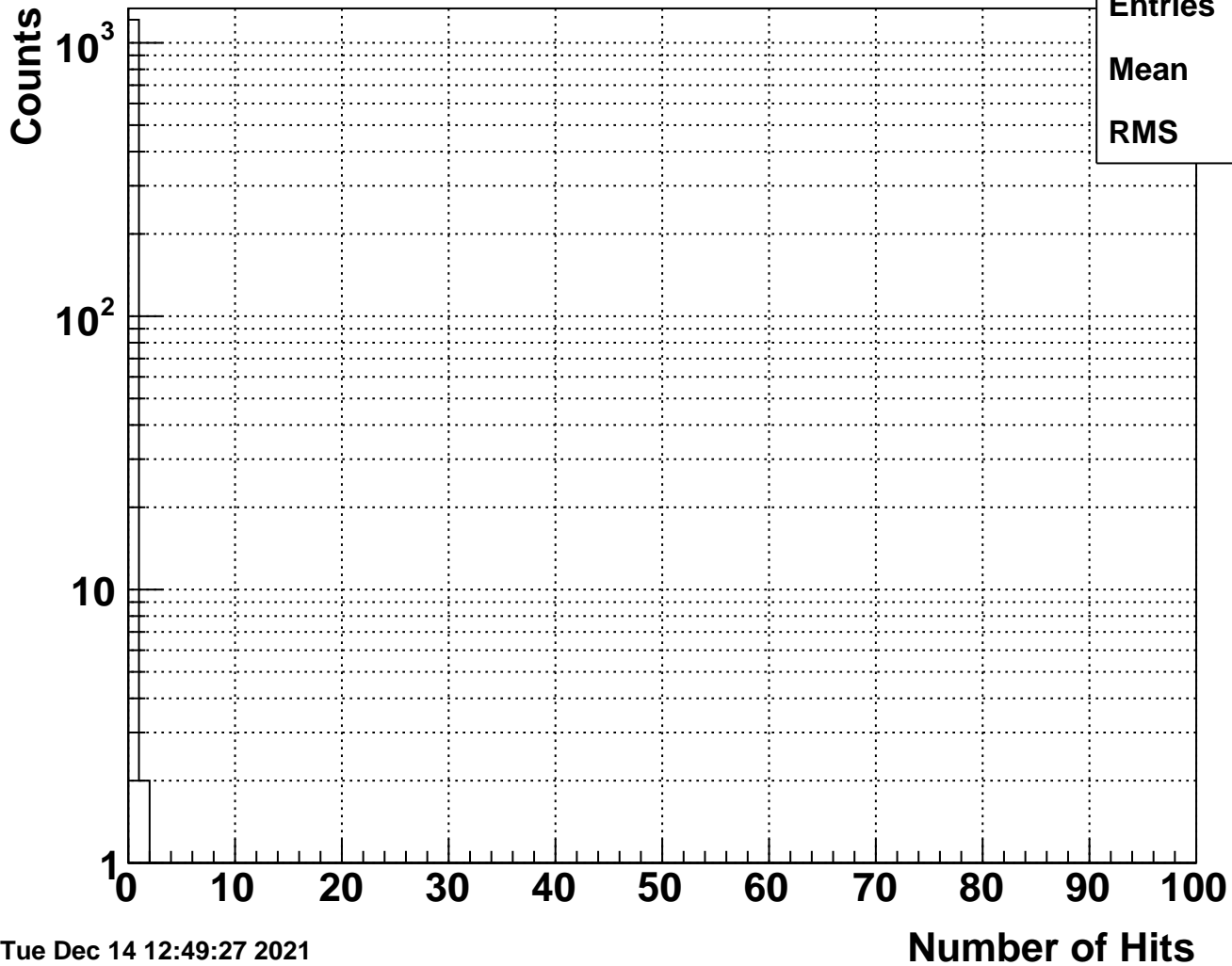
# FST - Hit Multiplicity: Disk3 Module2

HitMult\_Disk3\_Module2

**Entries** 1218

**Mean** 0.003284

**RMS** 0.07011



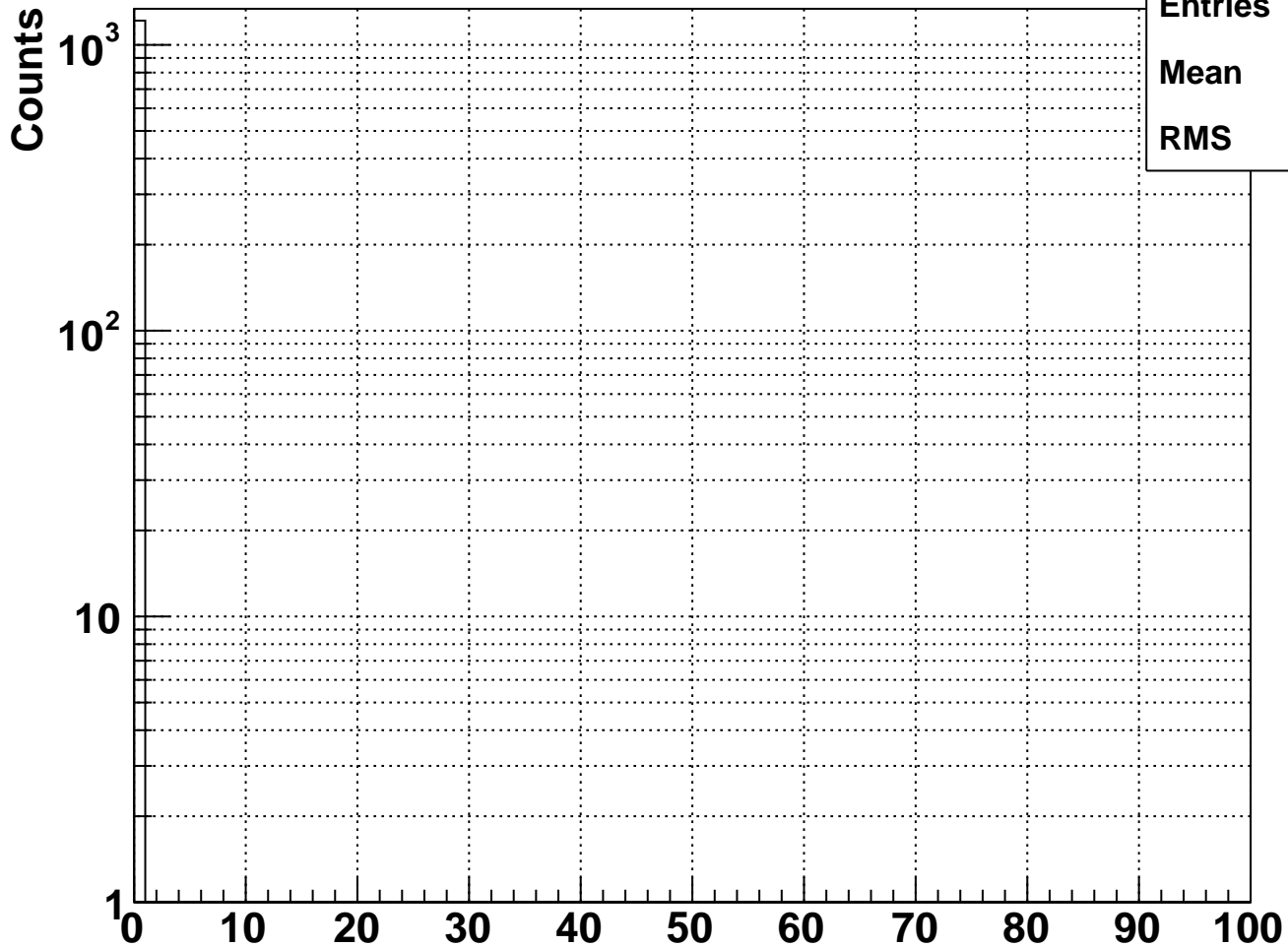
# FST - Hit Multiplicity: Disk3 Module3

HitMult\_Disk3\_Module3

**Entries** 1218

**Mean** 0.009852

**RMS** 0.3163



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**Number of Hits**

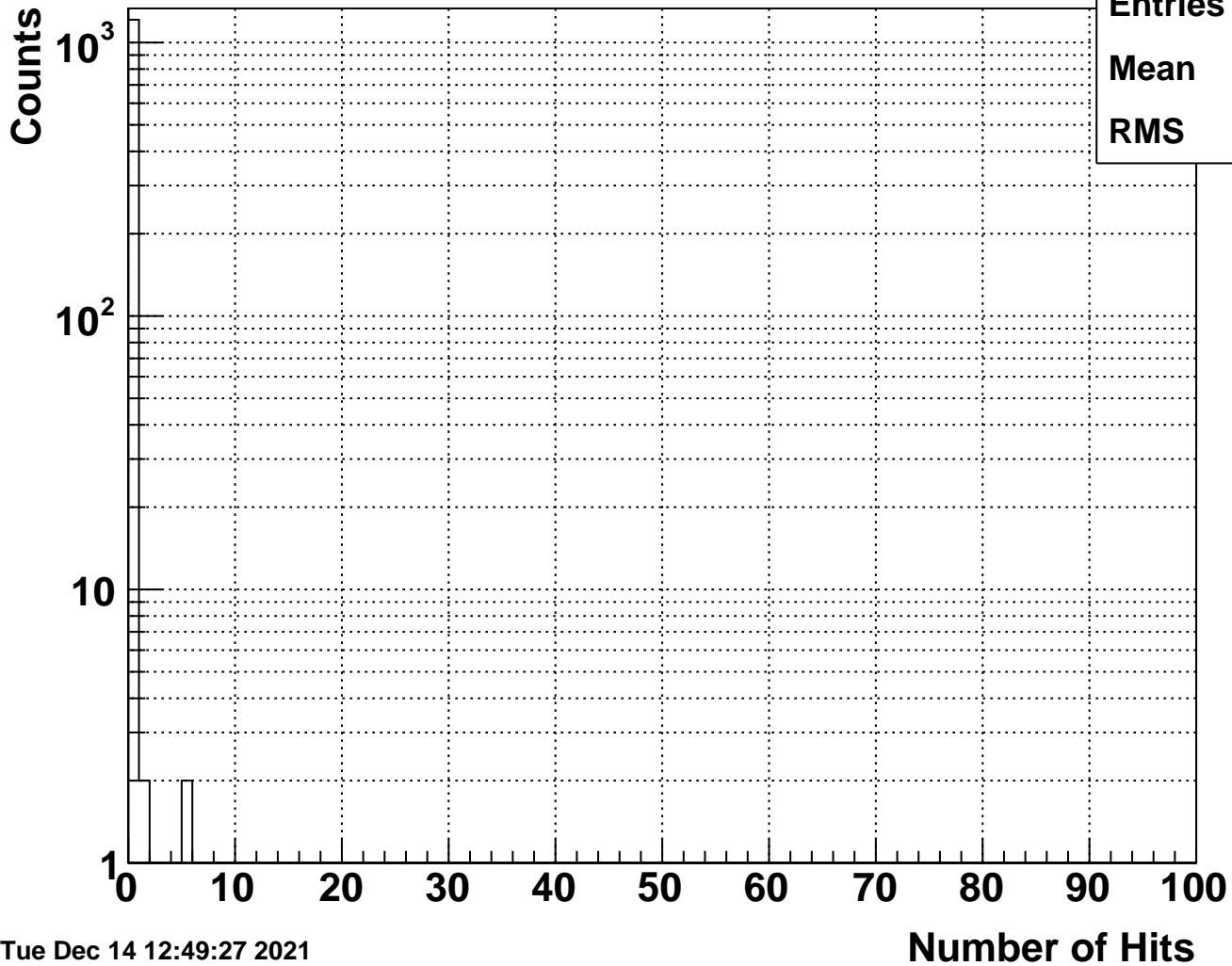
# FST - Hit Multiplicity: Disk3 Module4

HitMult\_Disk3\_Module4

**Entries** 1218

**Mean** 0.01396

**RMS** 0.2306



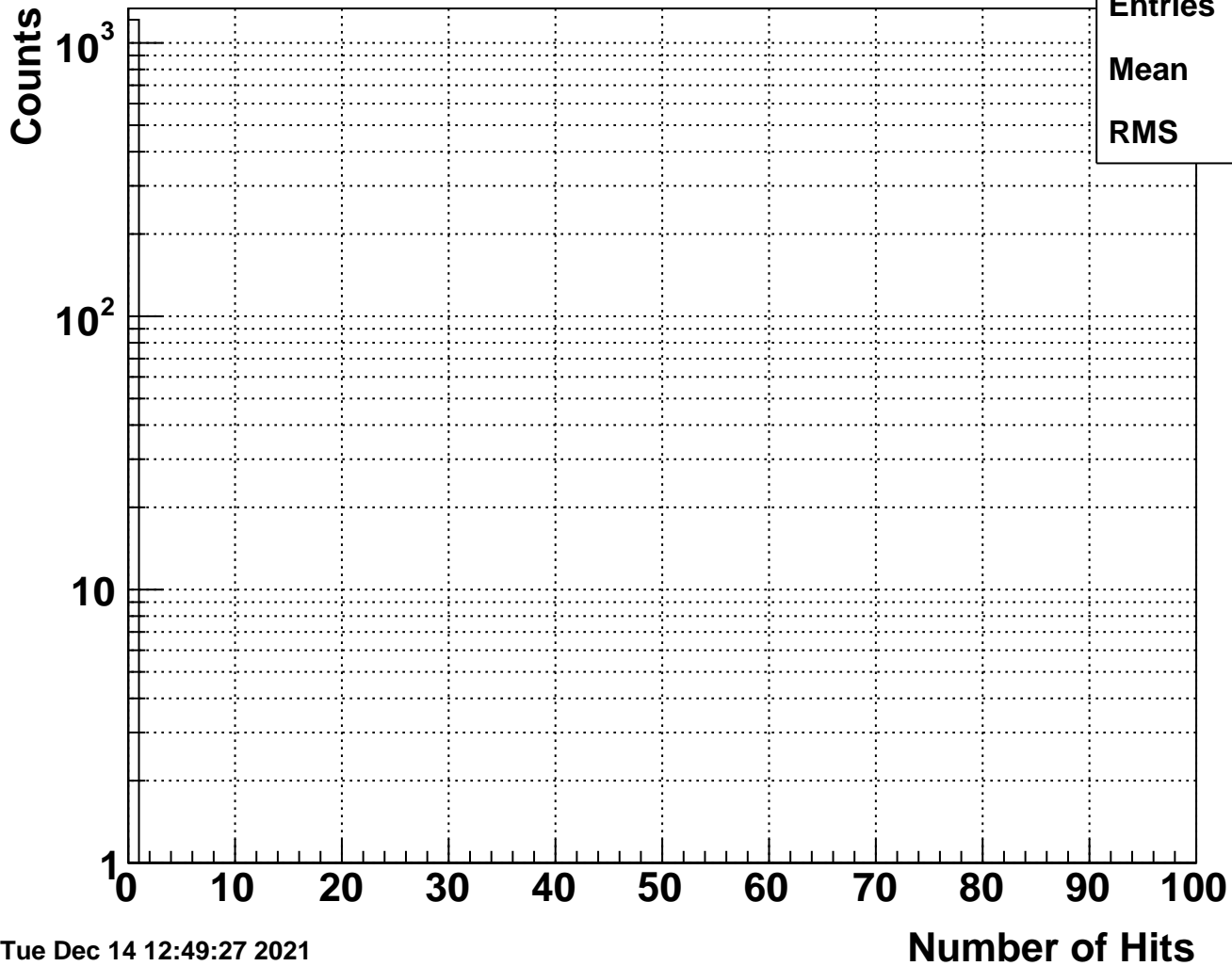
# FST - Hit Multiplicity: Disk3 Module5

HitMult\_Disk3\_Module5

**Entries** 1218

**Mean** 0.002463

**RMS** 0.06402



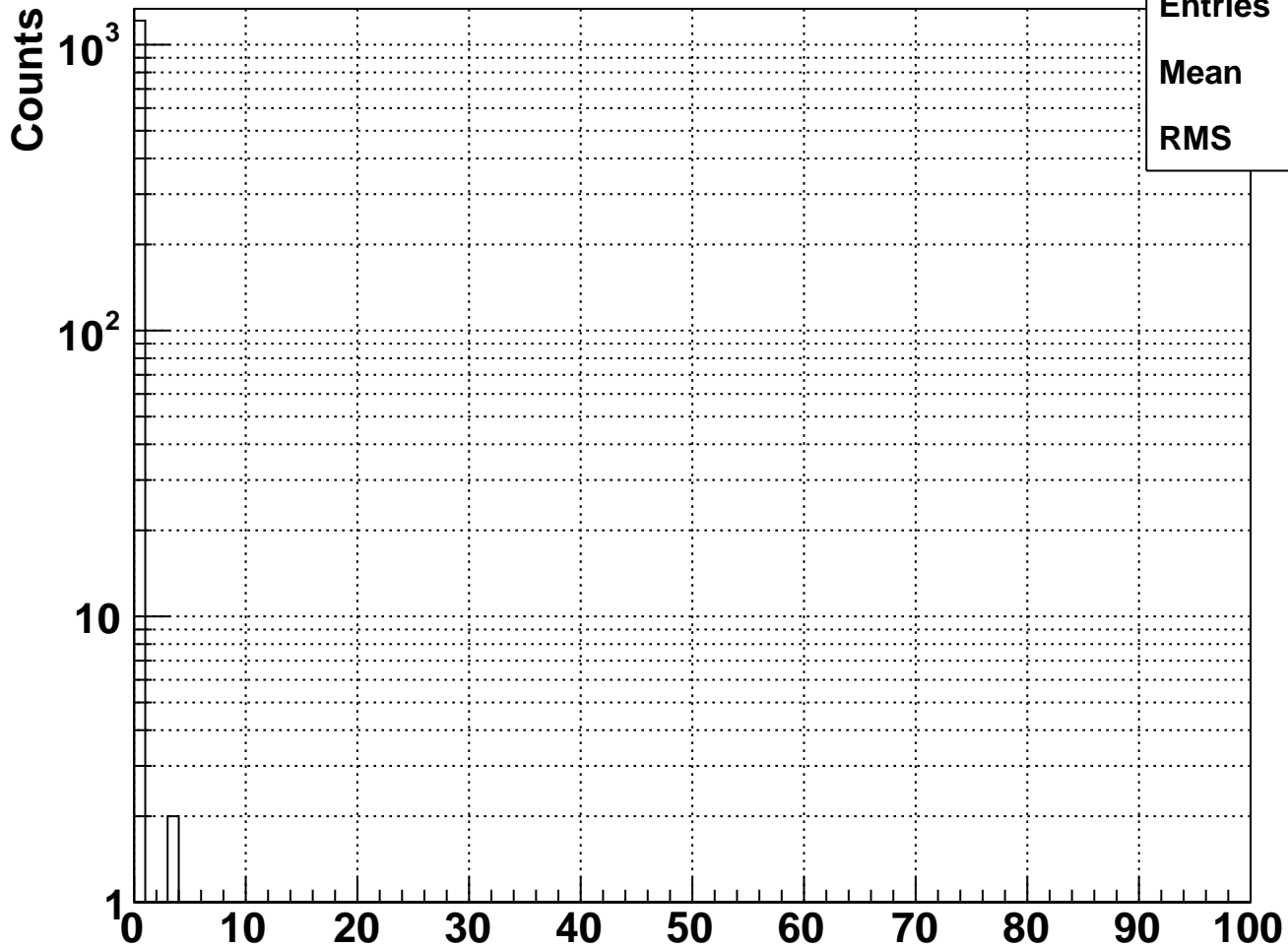
# FST - Hit Multiplicity: Disk3 Module6

HitMult\_Disk3\_Module6

**Entries** 1218

**Mean** 0.009031

**RMS** 0.1693



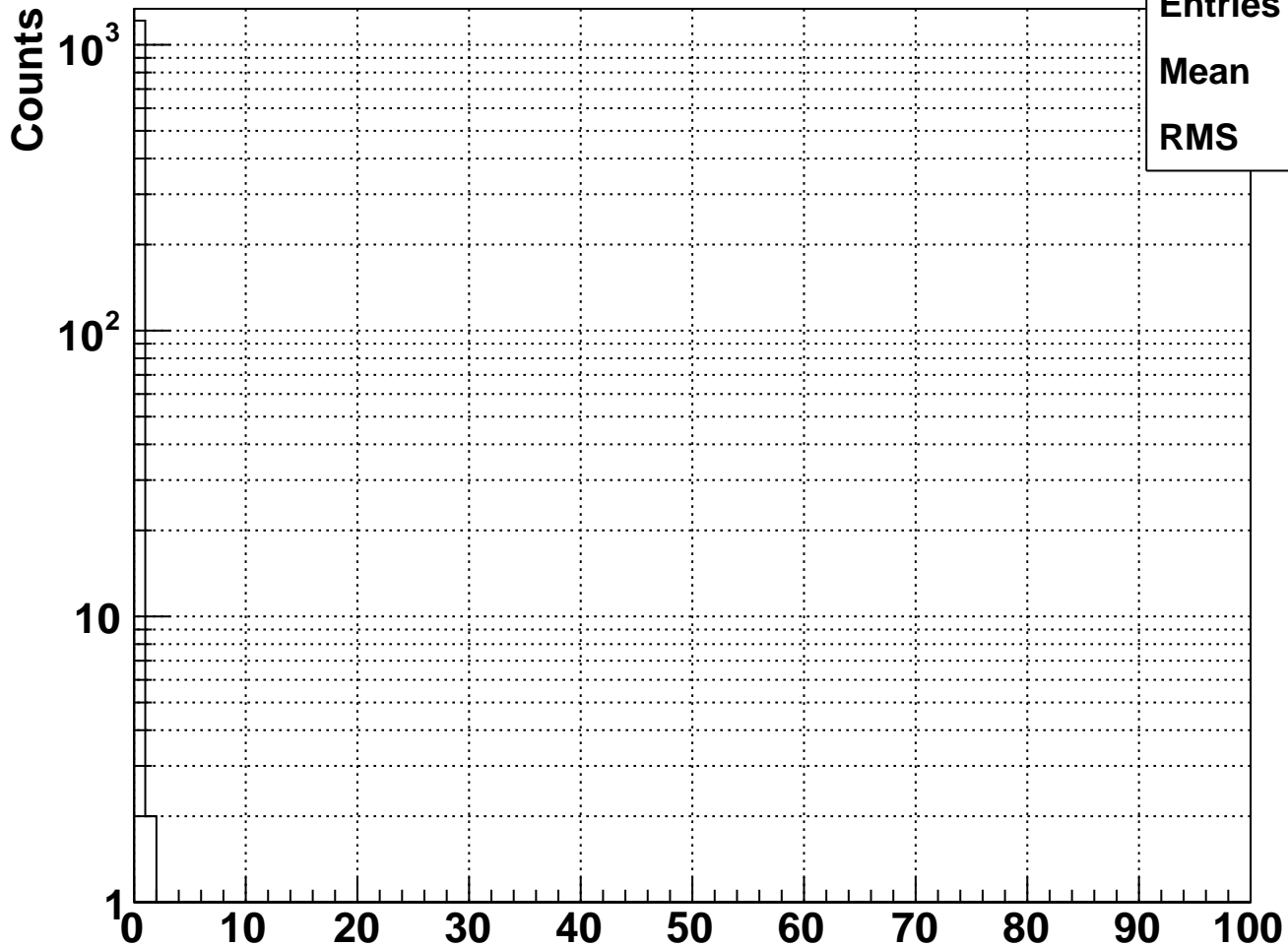
# FST - Hit Multiplicity: Disk3 Module7

HitMult\_Disk3\_Module7

**Entries** 1218

**Mean** 0.00821

**RMS** 0.2326



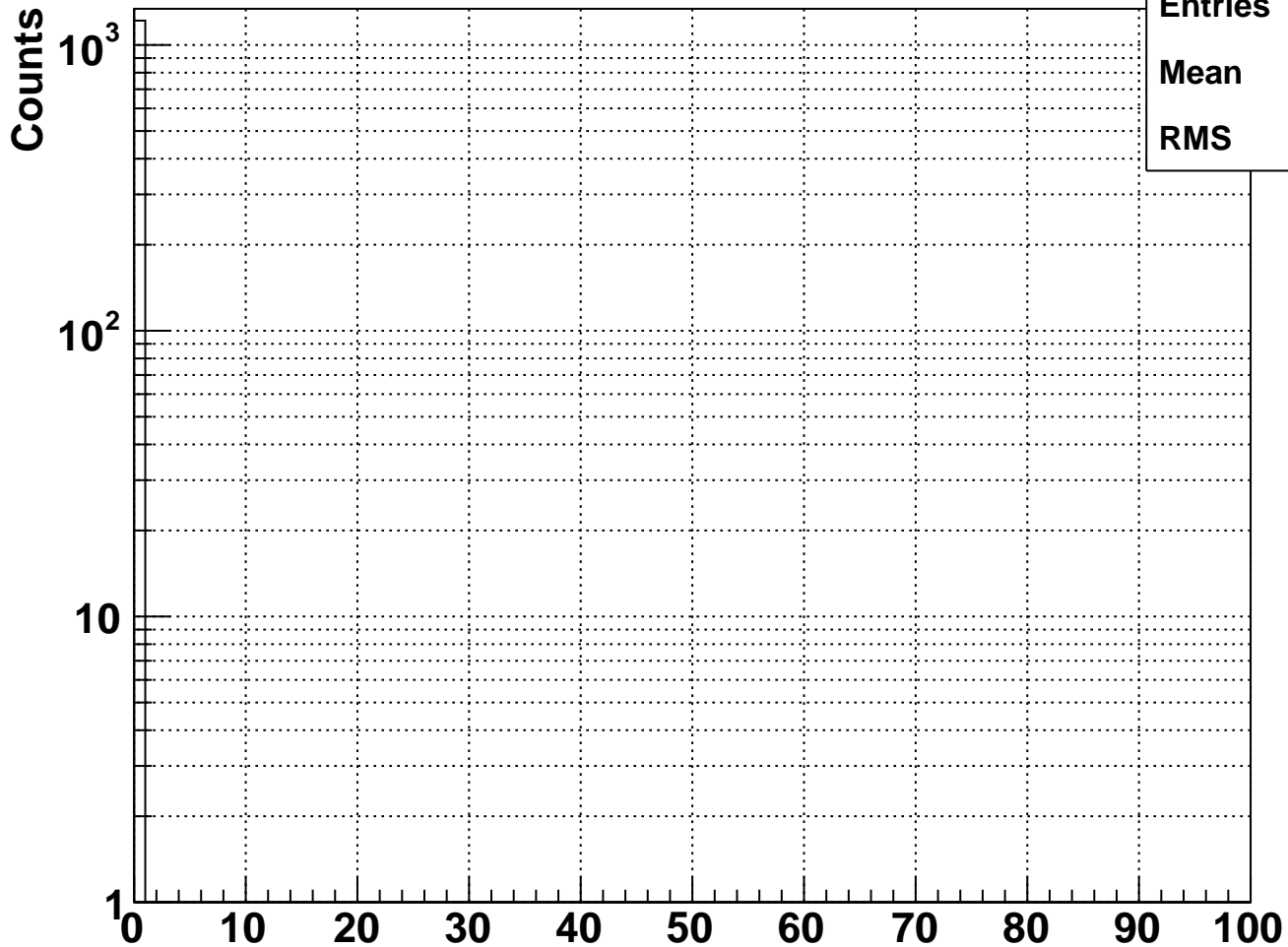
# FST - Hit Multiplicity: Disk3 Module8

HitMult\_Disk3\_Module8

**Entries** 1218

**Mean** 0.001642

**RMS** 0.05728



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**Number of Hits**

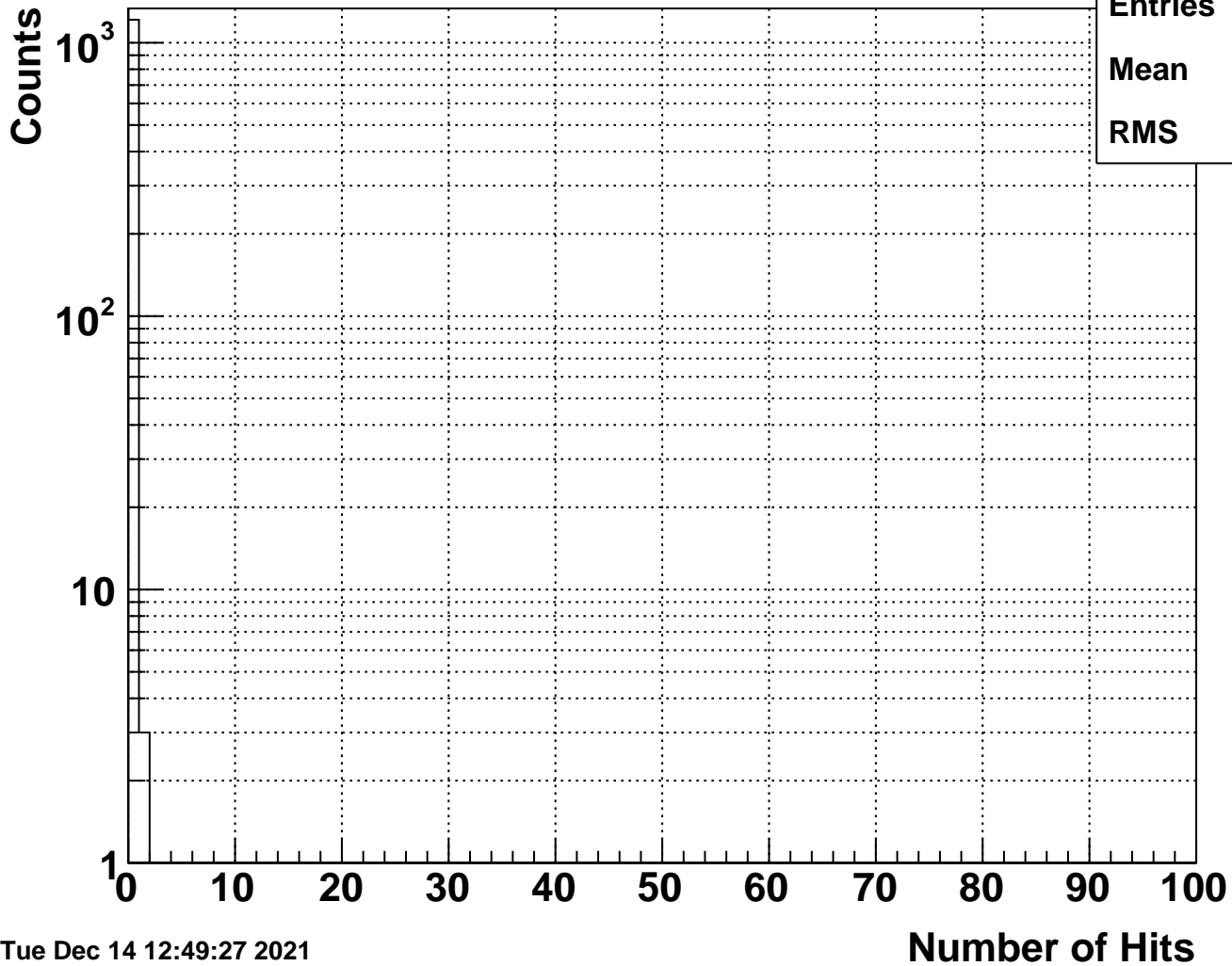
# FST - Hit Multiplicity: Disk3 Module9

HitMult\_Disk3\_Module9

**Entries** 1218

**Mean** 0.004105

**RMS** 0.0757

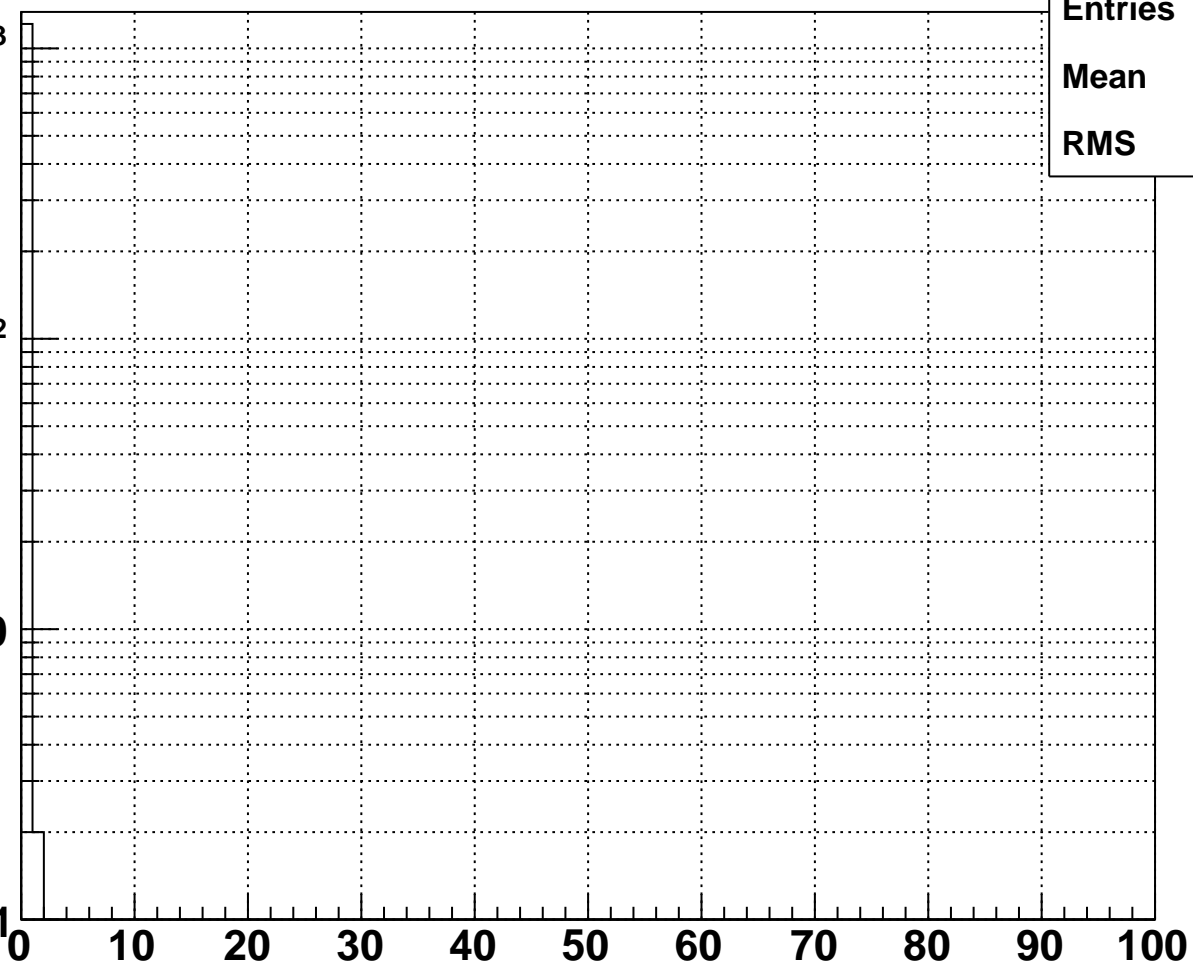




# FST - Hit Multiplicity: Disk3 Module10

Counts

$10^3$   
 $10^2$   
10  
1



HitMult\_Disk3\_Module10

**Entries** 1218

**Mean** 0.006568

**RMS** 0.1342

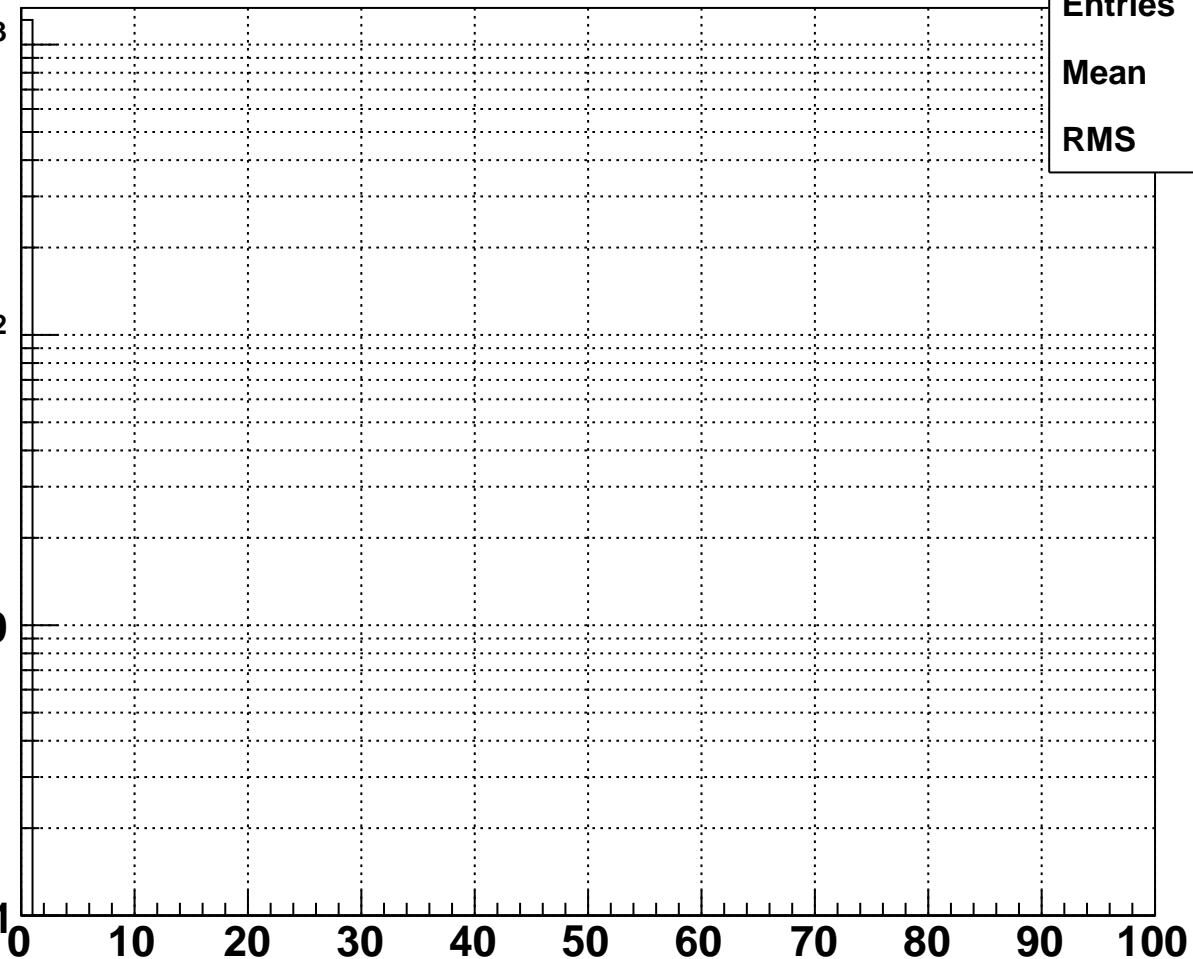
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**Number of Hits**

# FST - Hit Multiplicity: Disk3 Module11

Counts

$10^3$   
 $10^2$   
10  
1



HitMult\_Disk3\_Module11

**Entries** 1218

**Mean** 0.002463

**RMS** 0.06402

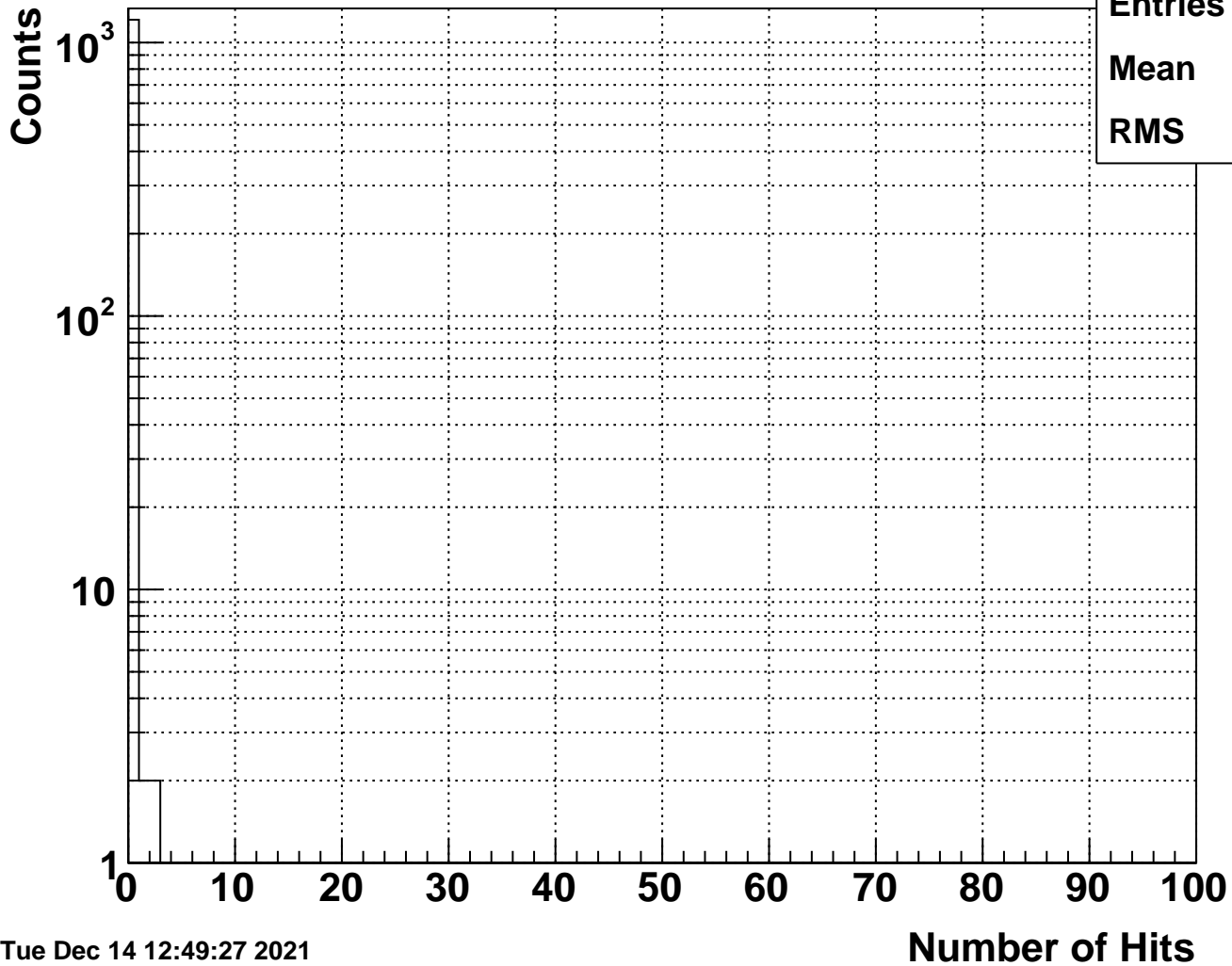
# FST - Hit Multiplicity: Disk3 Module12

HitMult\_Disk3\_Module12

**Entries** 1218

**Mean** 0.01067

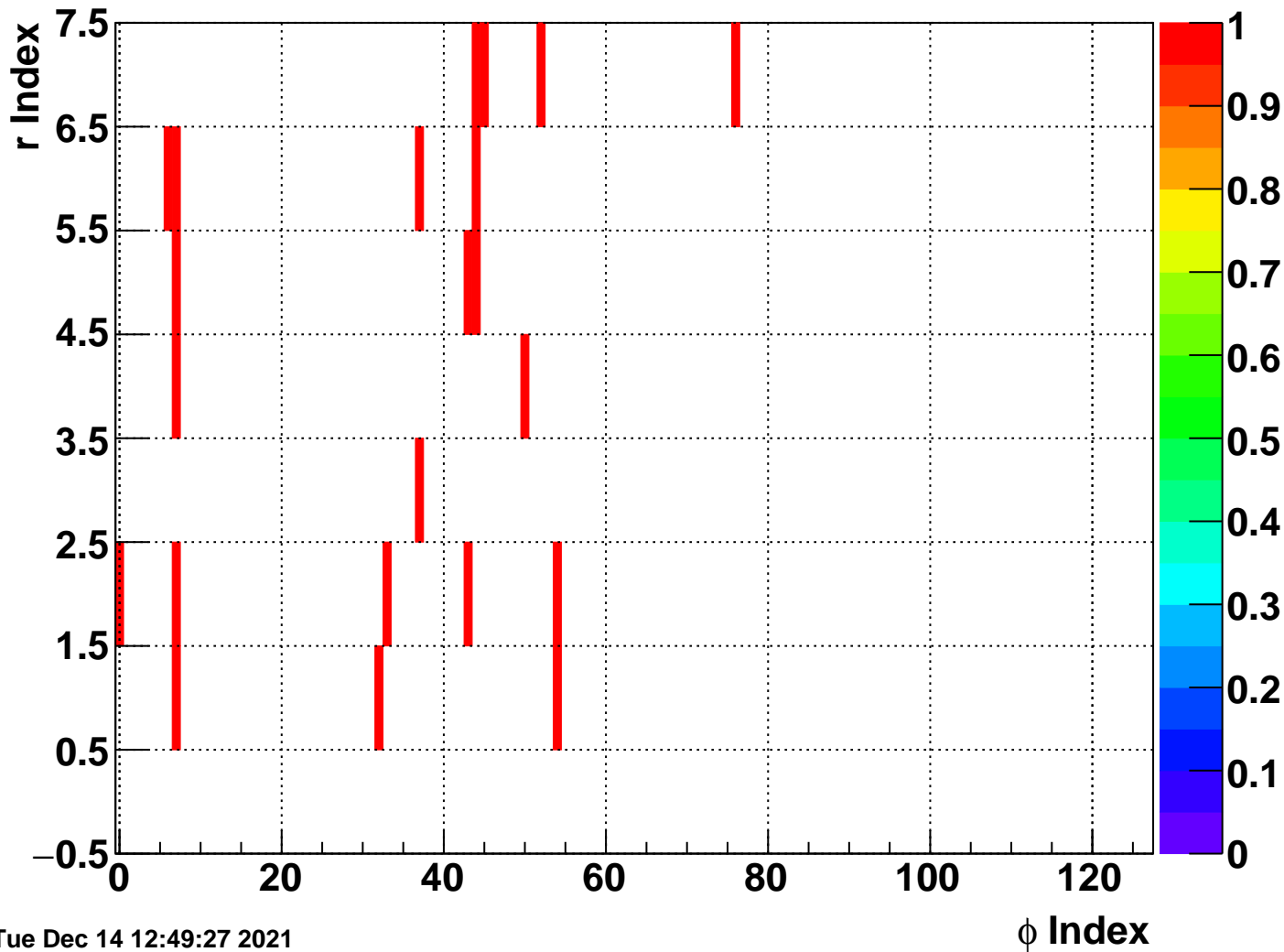
**RMS** 0.1692



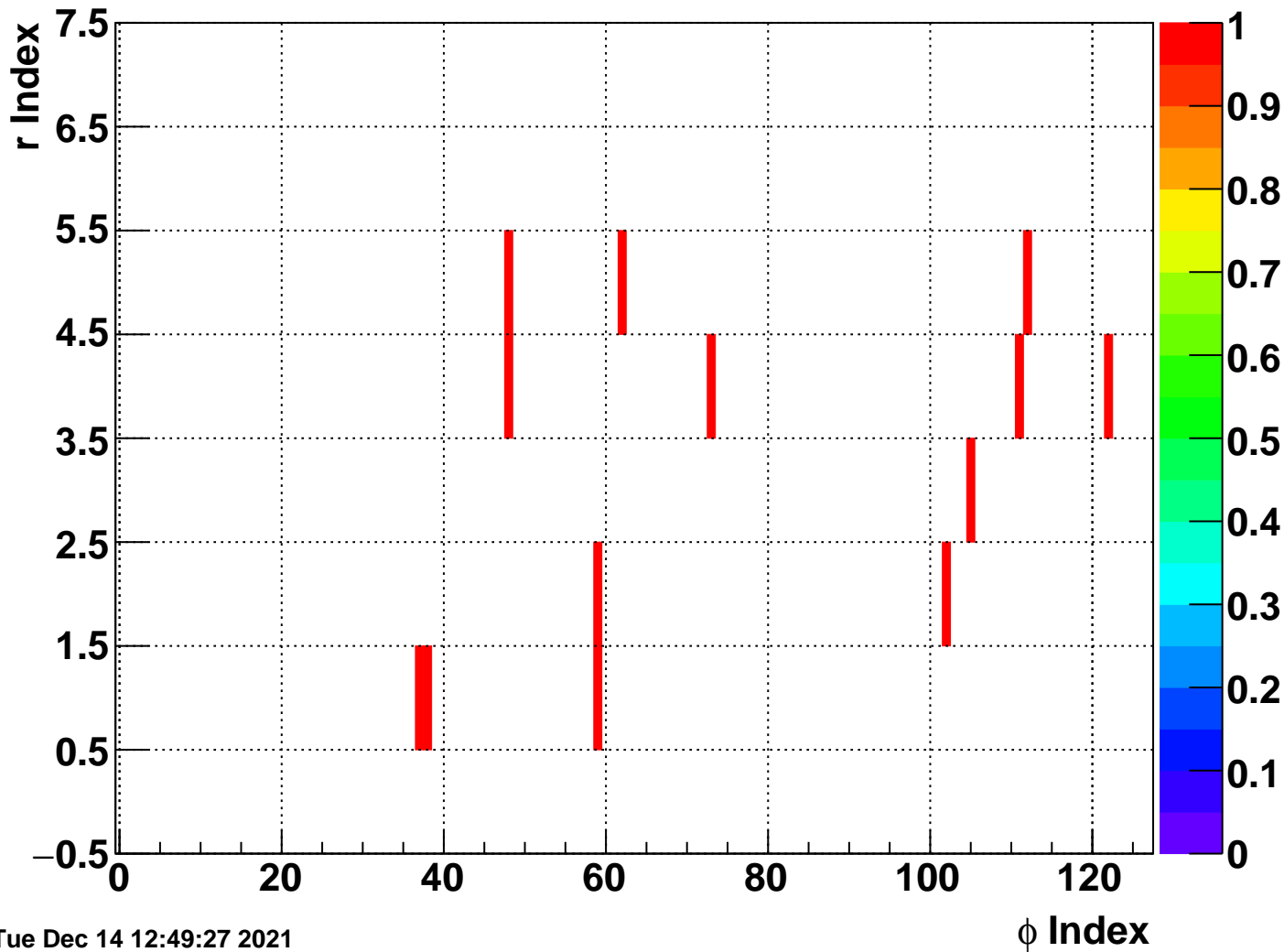
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Number of Hits

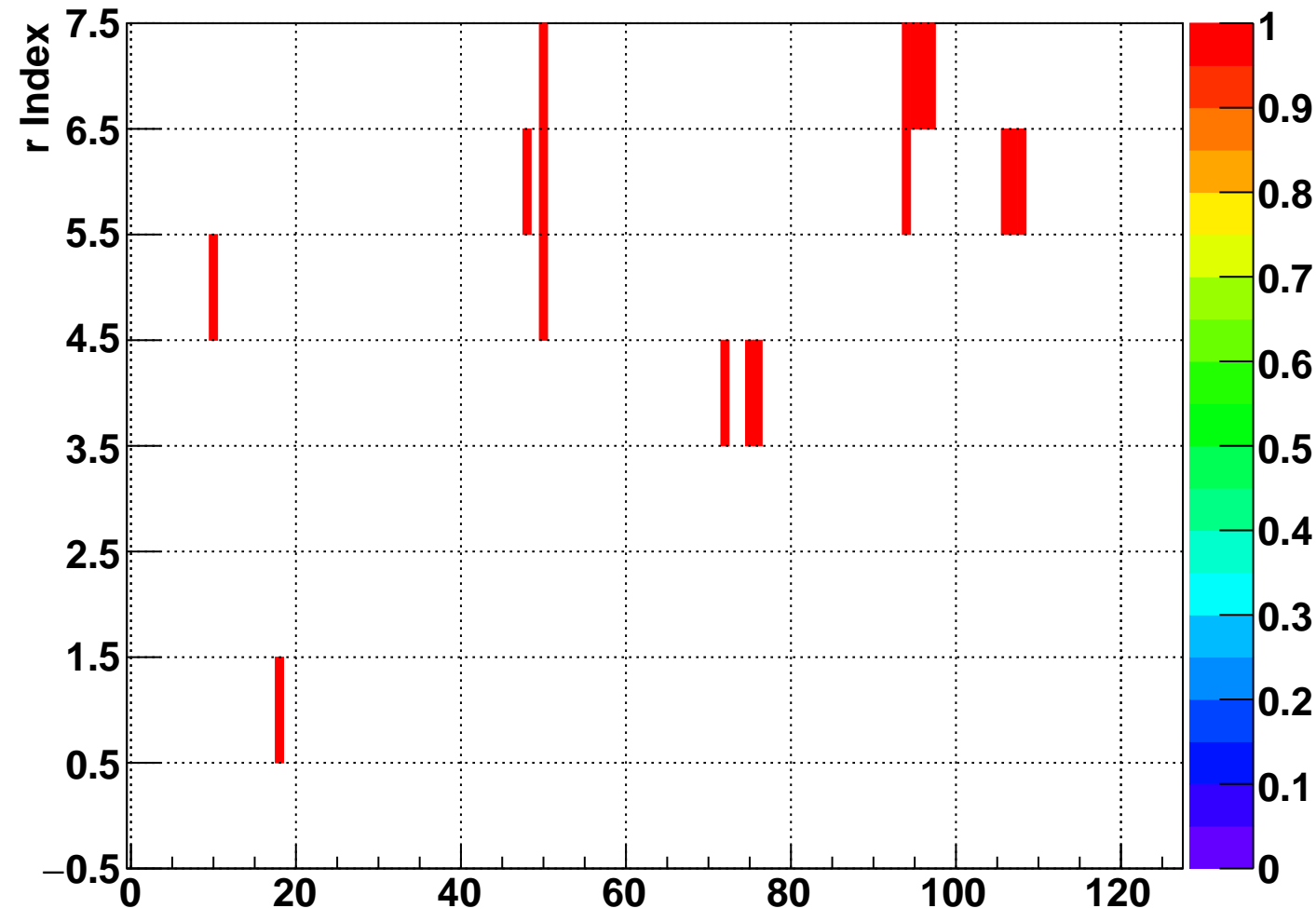
# FST - Hit Map (density): Disk1 Module1



# FST - Hit Map (density): Disk1 Module2

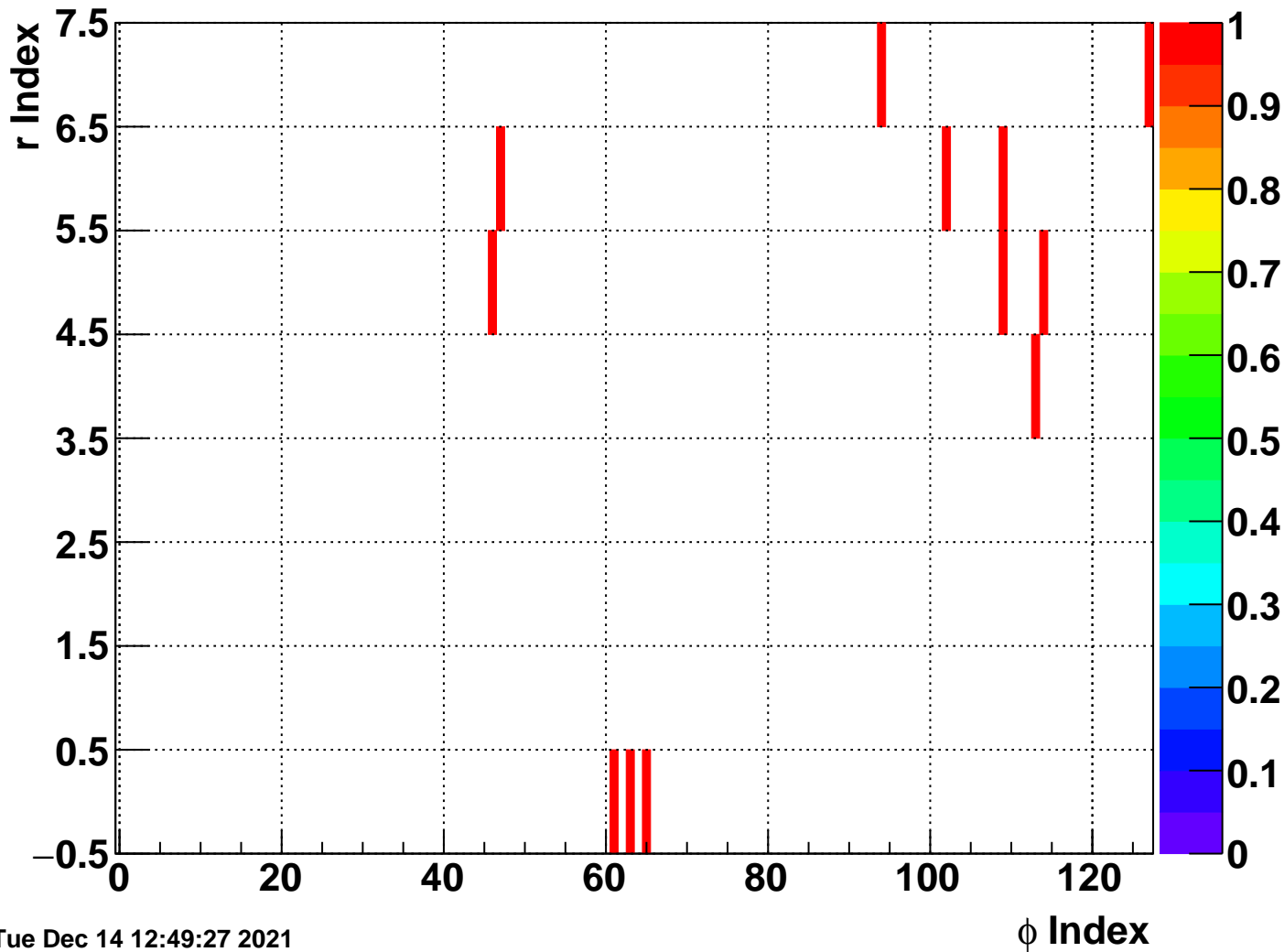


FST - Hit Map (density): Disk1 Module3	
0	0.000000
1	0.000000
2	0.000000
3	0.000000
4	0.000000
5	0.000000
6	0.000000
7	0.000000
8	0.000000
9	0.000000
10	0.000000
11	0.000000
12	0.000000
13	0.000000
14	0.000000
15	0.000000
16	0.000000
17	0.000000
18	0.000000
19	0.000000
20	0.000000
21	0.000000
22	0.000000
23	0.000000
24	0.000000
25	0.000000
26	0.000000
27	0.000000
28	0.000000
29	0.000000
30	0.000000
31	0.000000
32	0.000000
33	0.000000
34	0.000000
35	0.000000
36	0.000000
37	0.000000
38	0.000000
39	0.000000
40	0.000000
41	0.000000
42	0.000000
43	0.000000
44	0.000000
45	0.000000
46	0.000000
47	0.000000
48	0.000000
49	0.000000
50	0.000000
51	0.000000
52	0.000000
53	0.000000
54	0.000000
55	0.000000
56	0.000000
57	0.000000
58	0.000000
59	0.000000
60	0.000000
61	0.000000
62	0.000000
63	0.000000
64	0.000000
65	0.000000
66	0.000000
67	0.000000
68	0.000000
69	0.000000
70	0.000000
71	0.000000
72	0.000000
73	0.000000
74	0.000000
75	0.000000
76	0.000000
77	0.000000
78	0.000000
79	0.000000
80	0.000000
81	0.000000
82	0.000000
83	0.000000
84	0.000000
85	0.000000
86	0.000000
87	0.000000
88	0.000000
89	0.000000
90	0.000000
91	0.000000
92	0.000000
93	0.000000
94	0.000000
95	0.000000
96	0.000000
97	0.000000
98	0.000000
99	0.000000

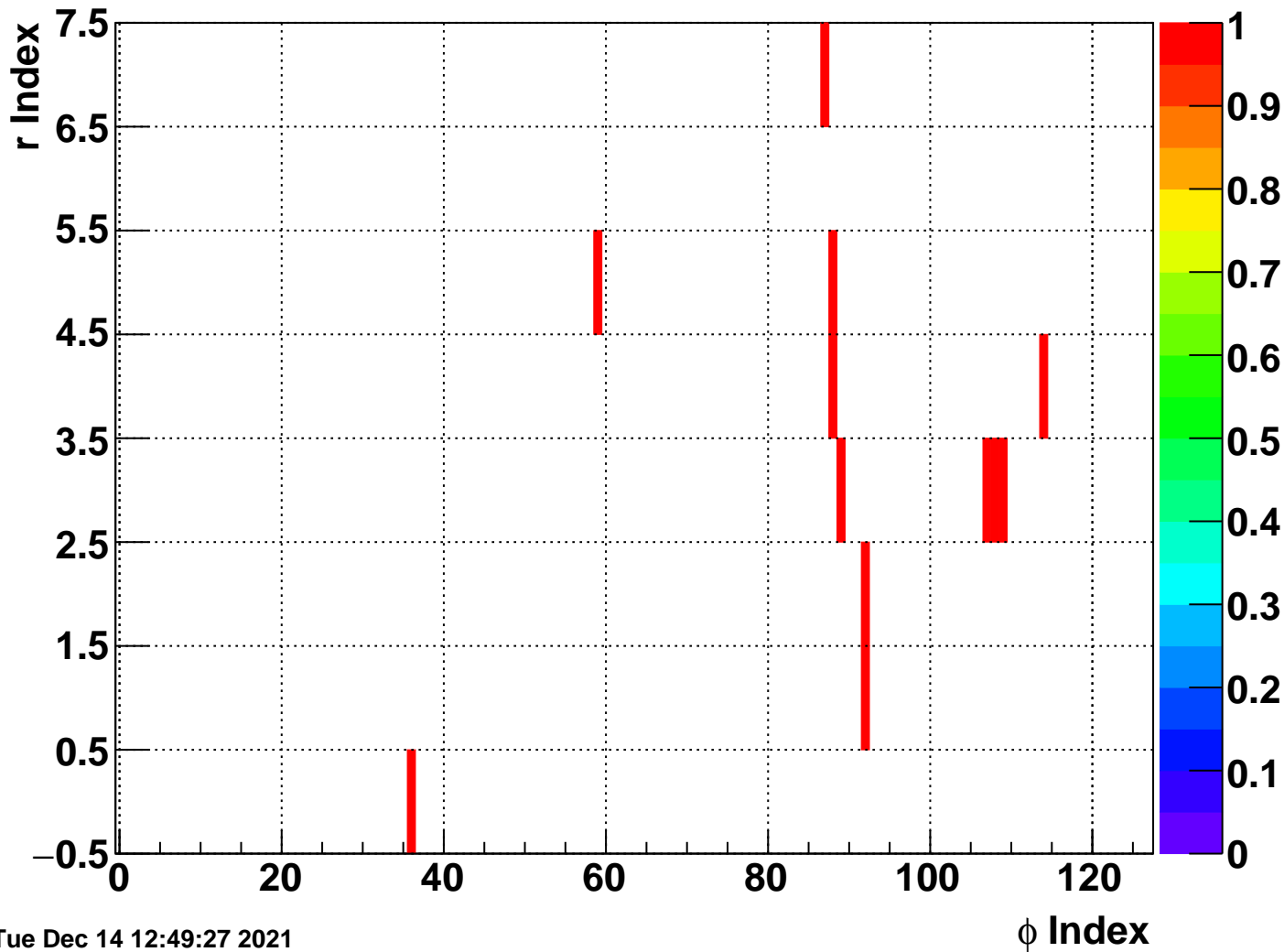


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# FST - Hit Map (density): Disk1 Module4

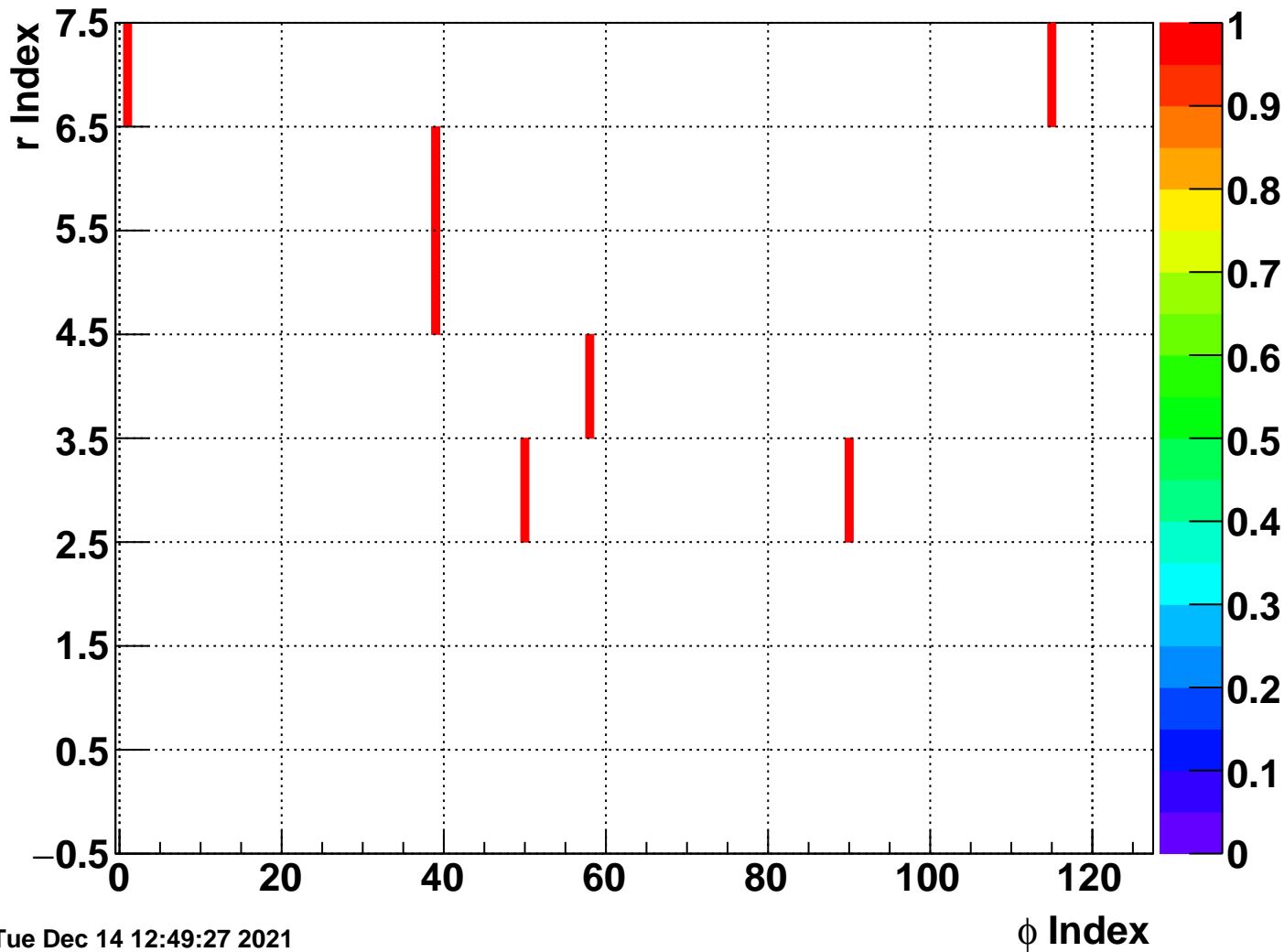


# FST - Hit Map (density): Disk1 Module5

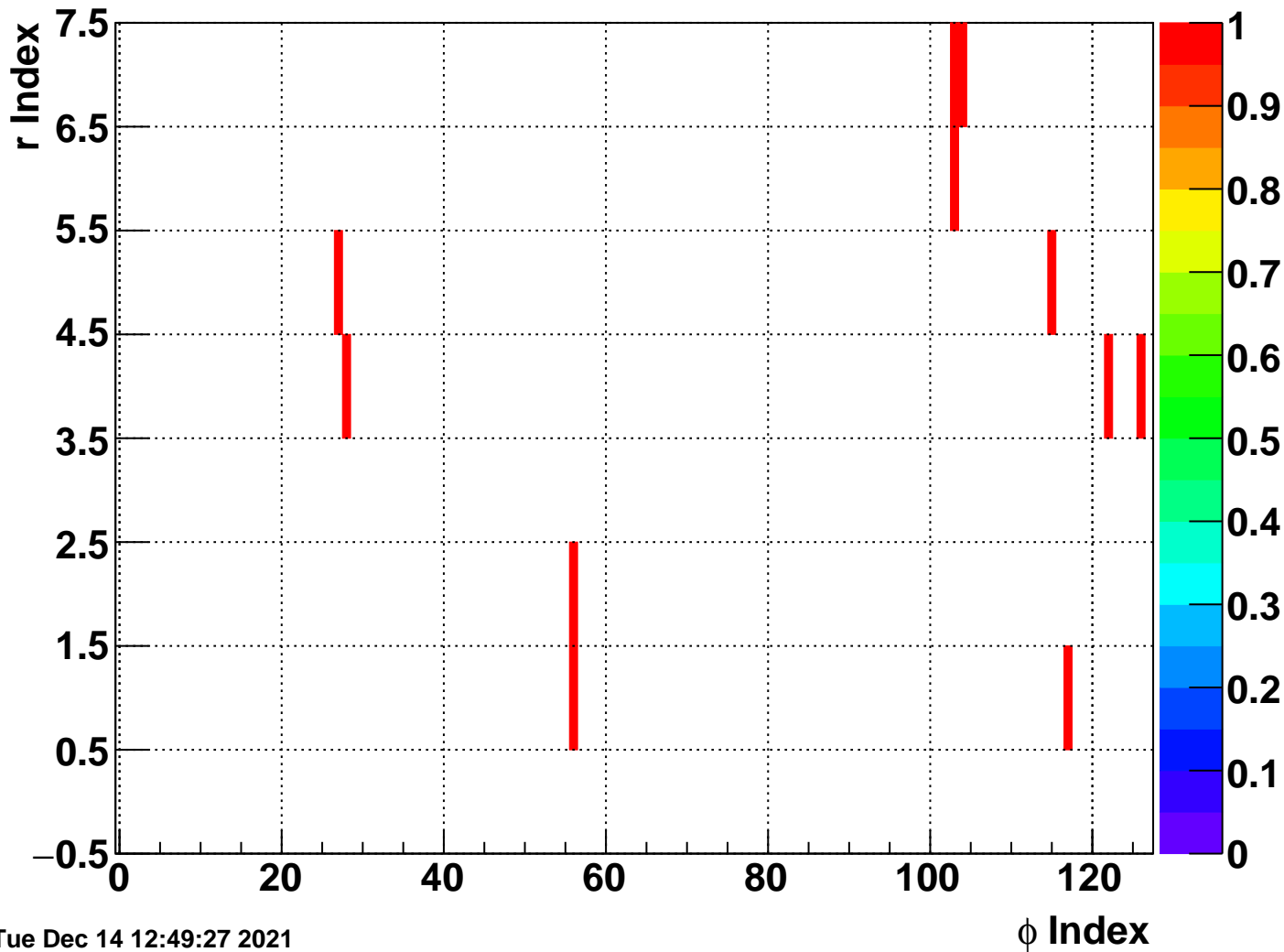




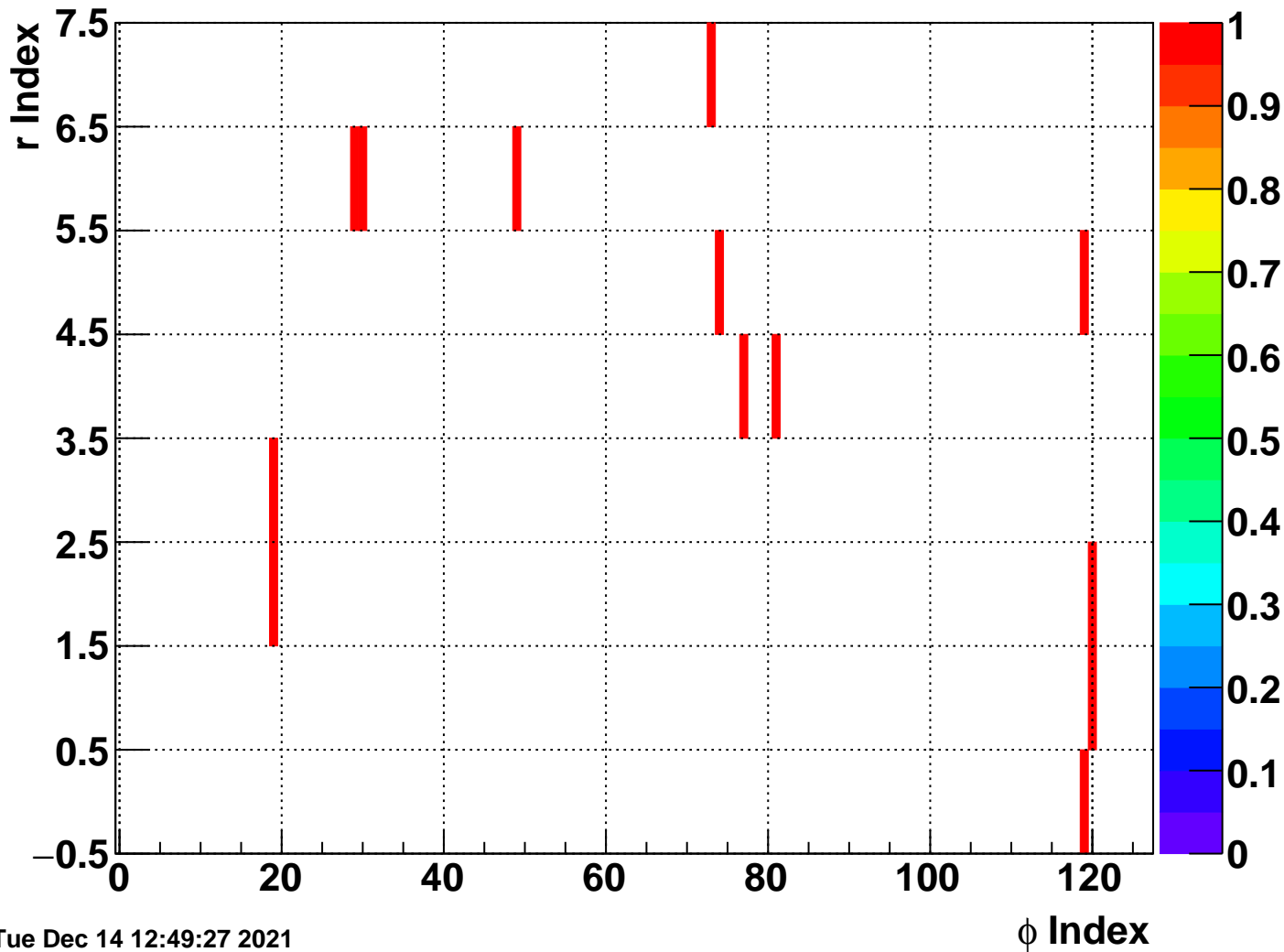
# FST - Hit Map (density): Disk1 Module6



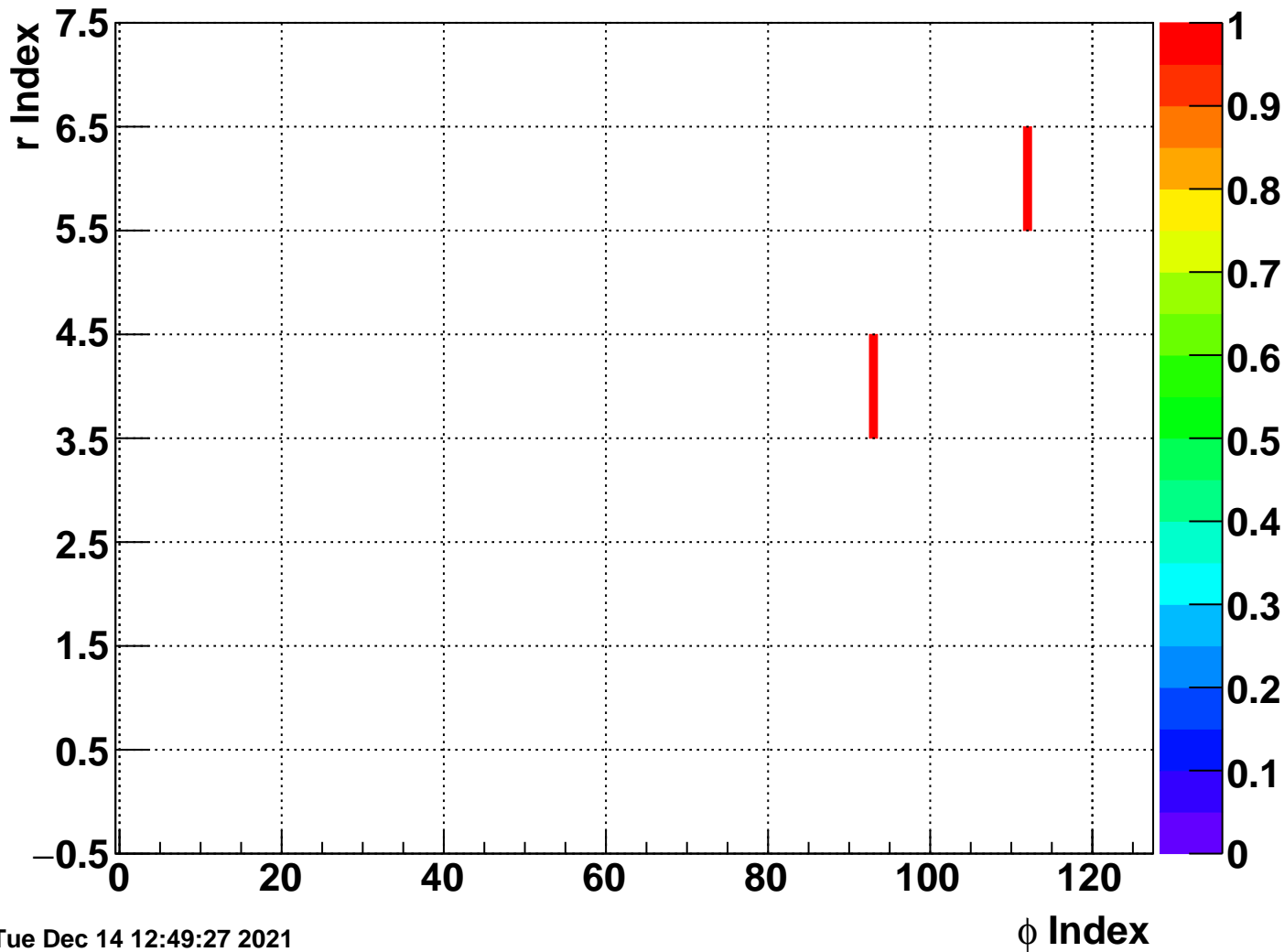
# FST - Hit Map (density): Disk1 Module7



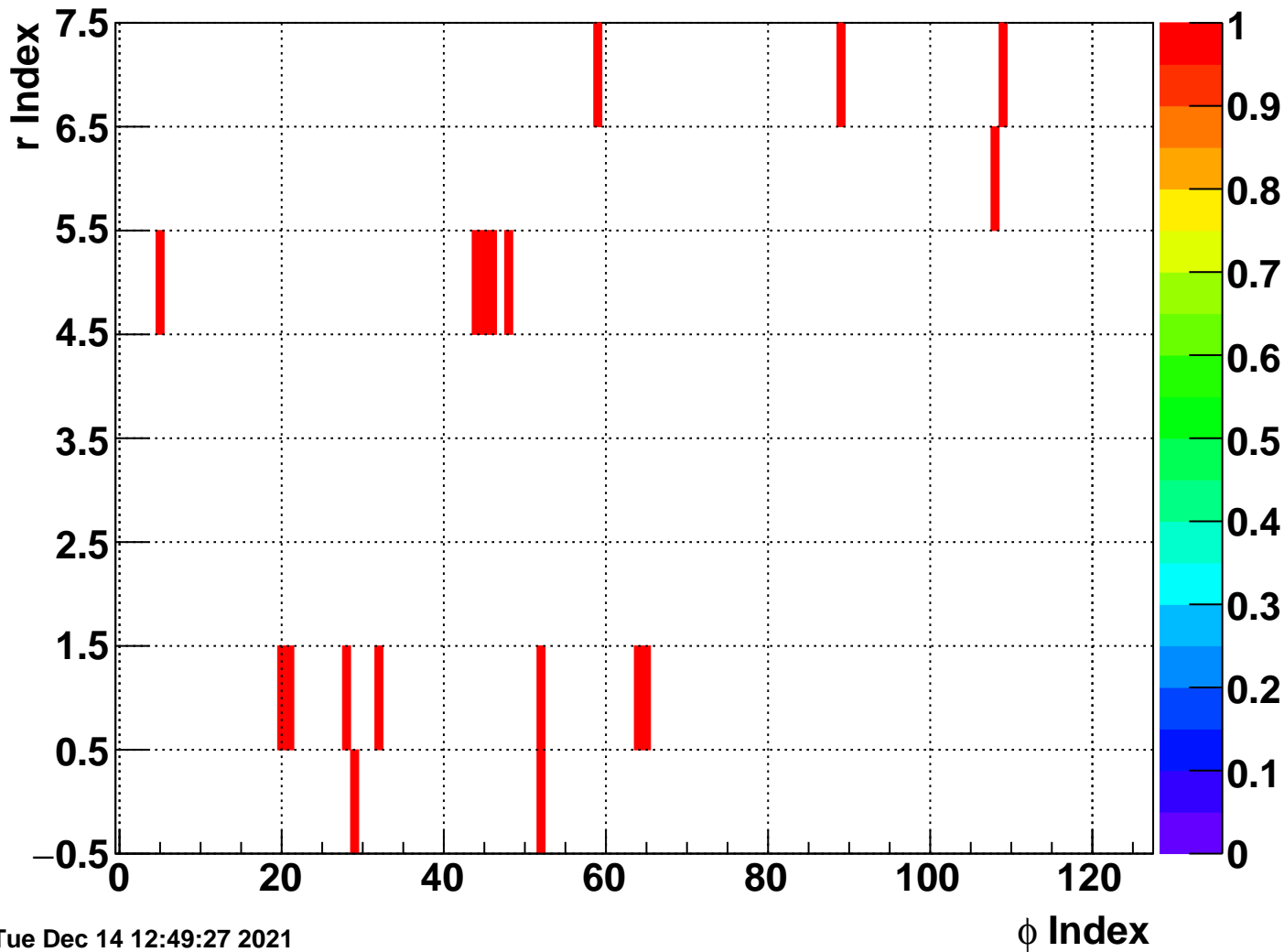
# FST - Hit Map (density): Disk1 Module8



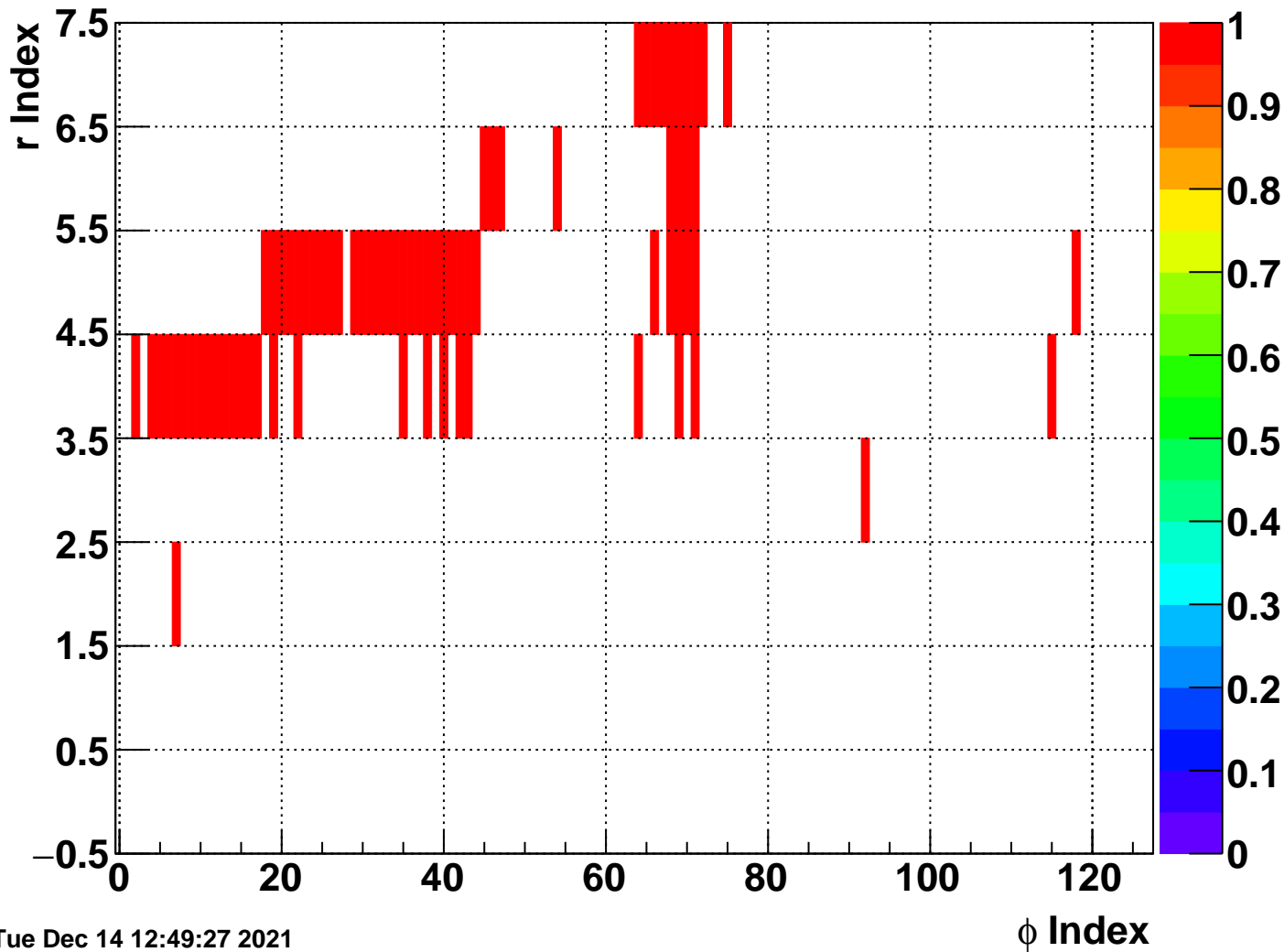
# FST - Hit Map (density): Disk1 Module9



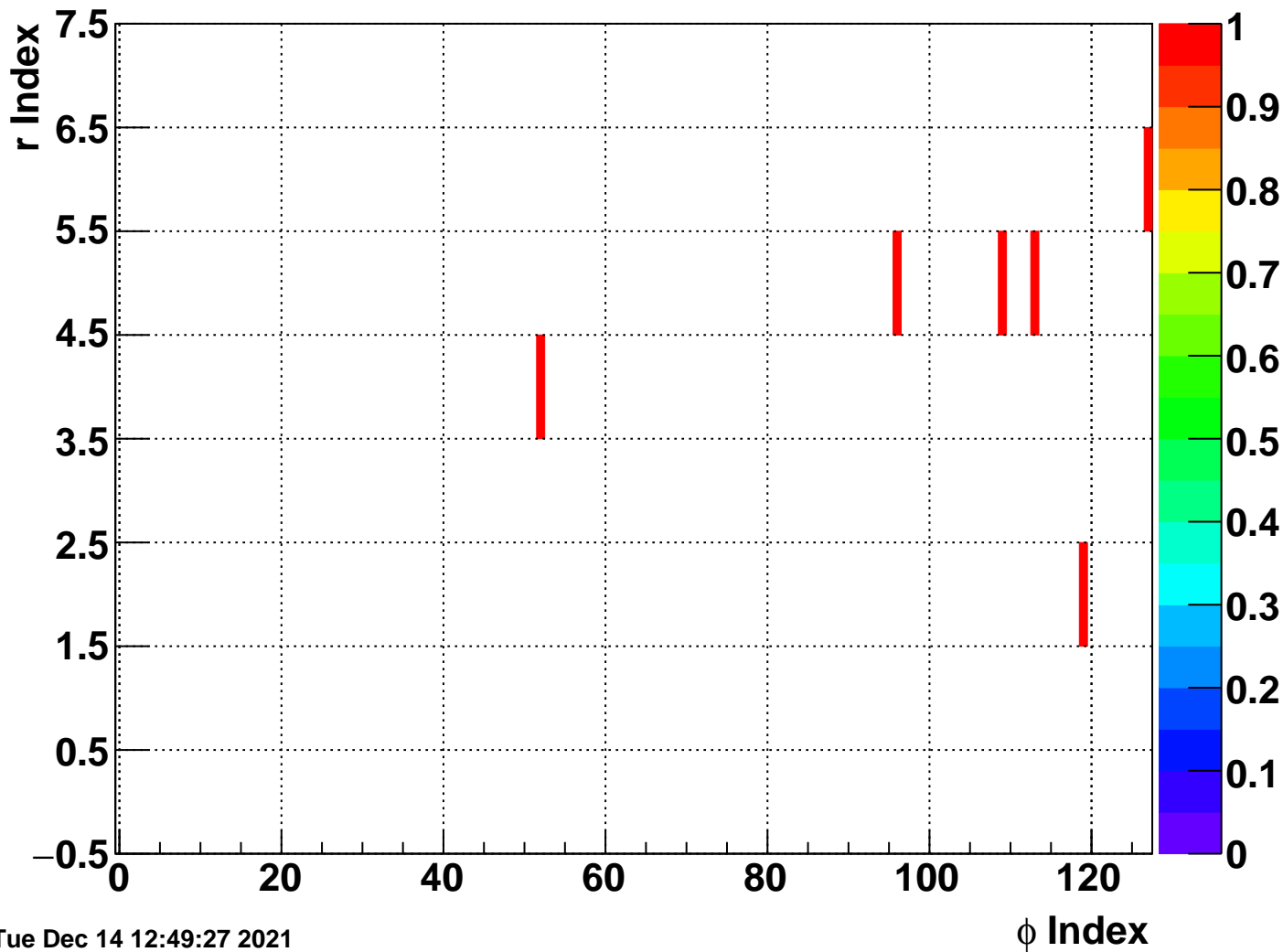
# FST - Hit Map (density): Disk1 Module10



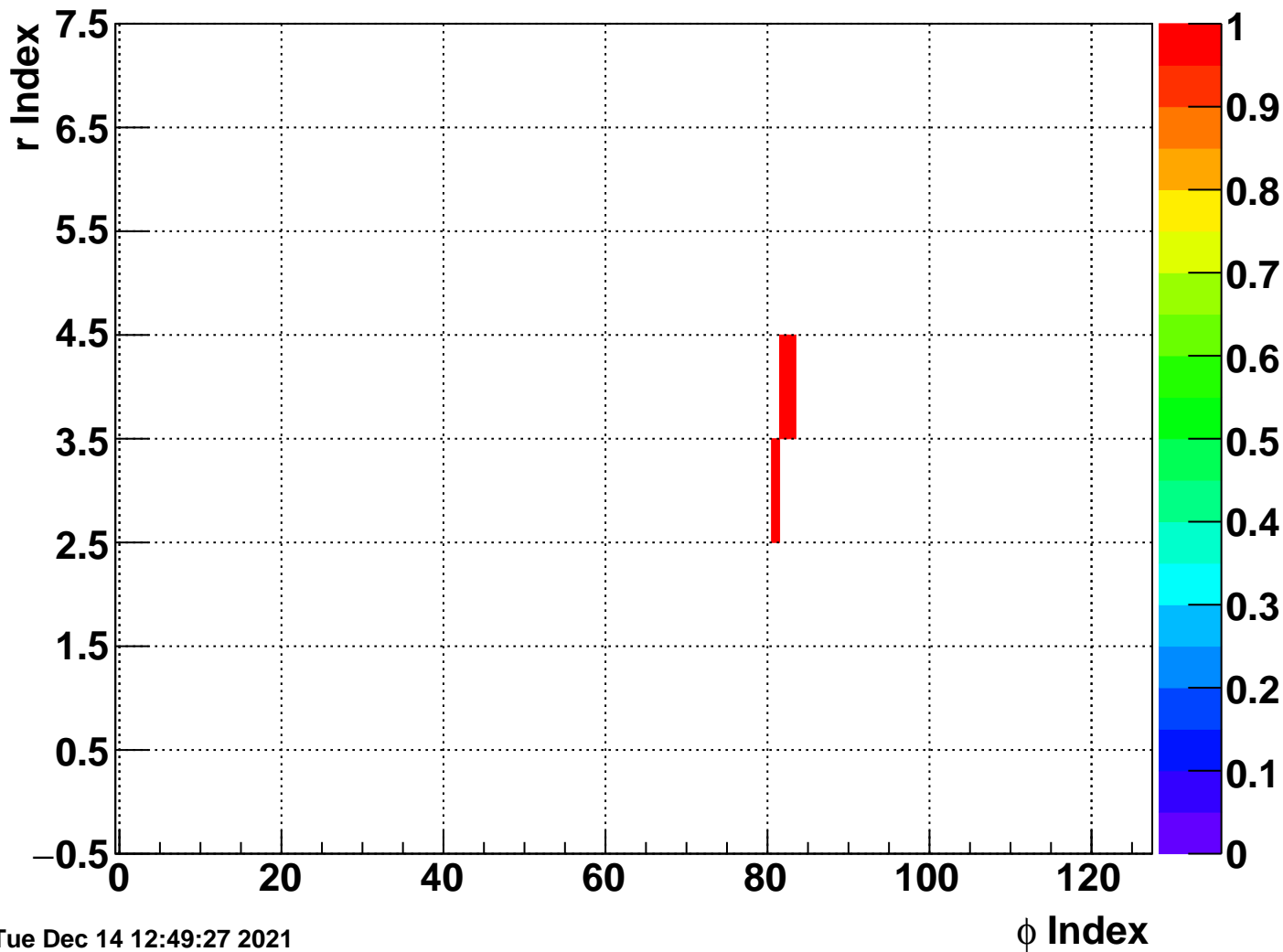
# FST - Hit Map (density): Disk1 Module11



# FST - Hit Map (density): Disk1 Module12

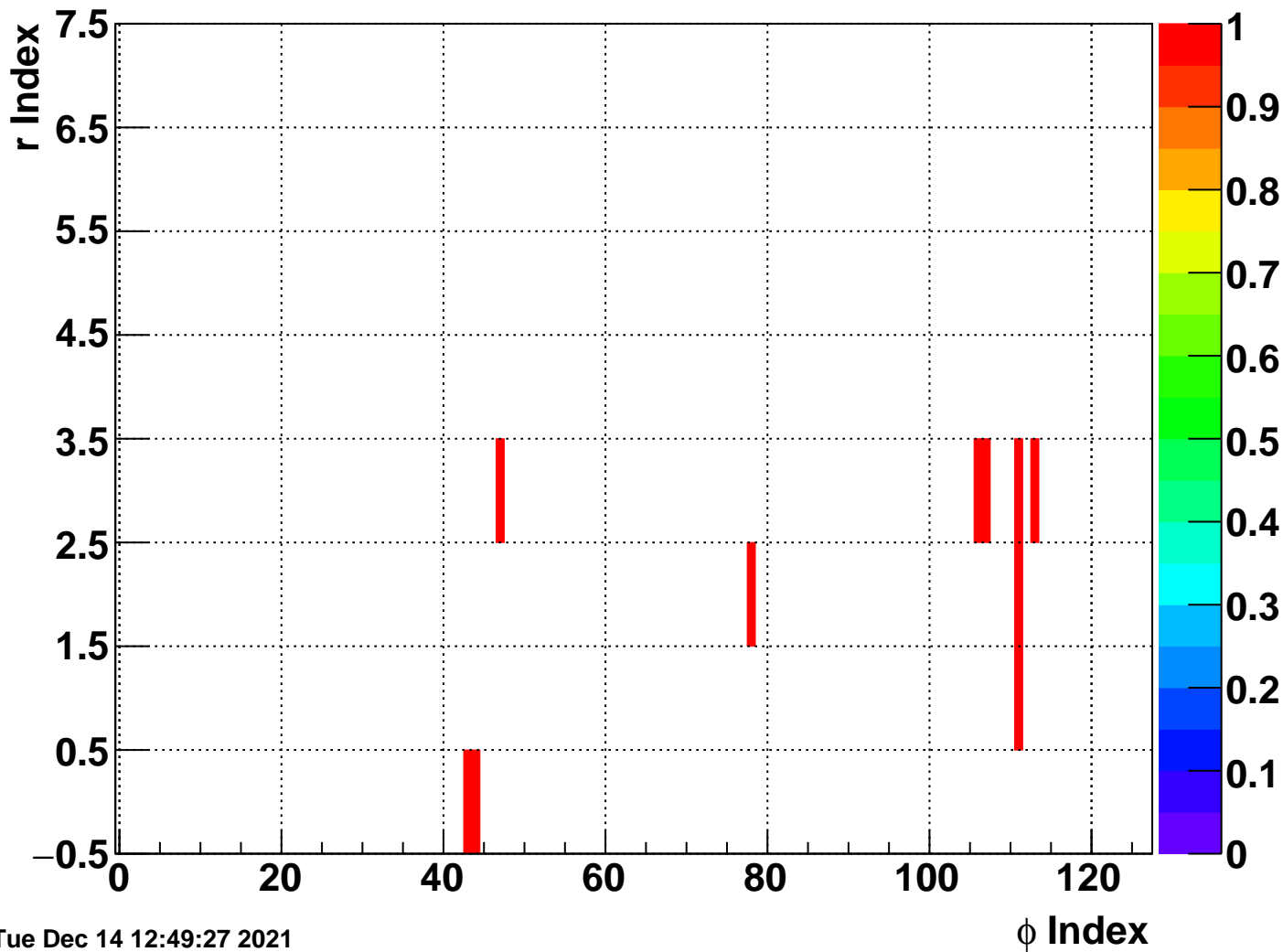


# FST - Hit Map (density): Disk2 Module1

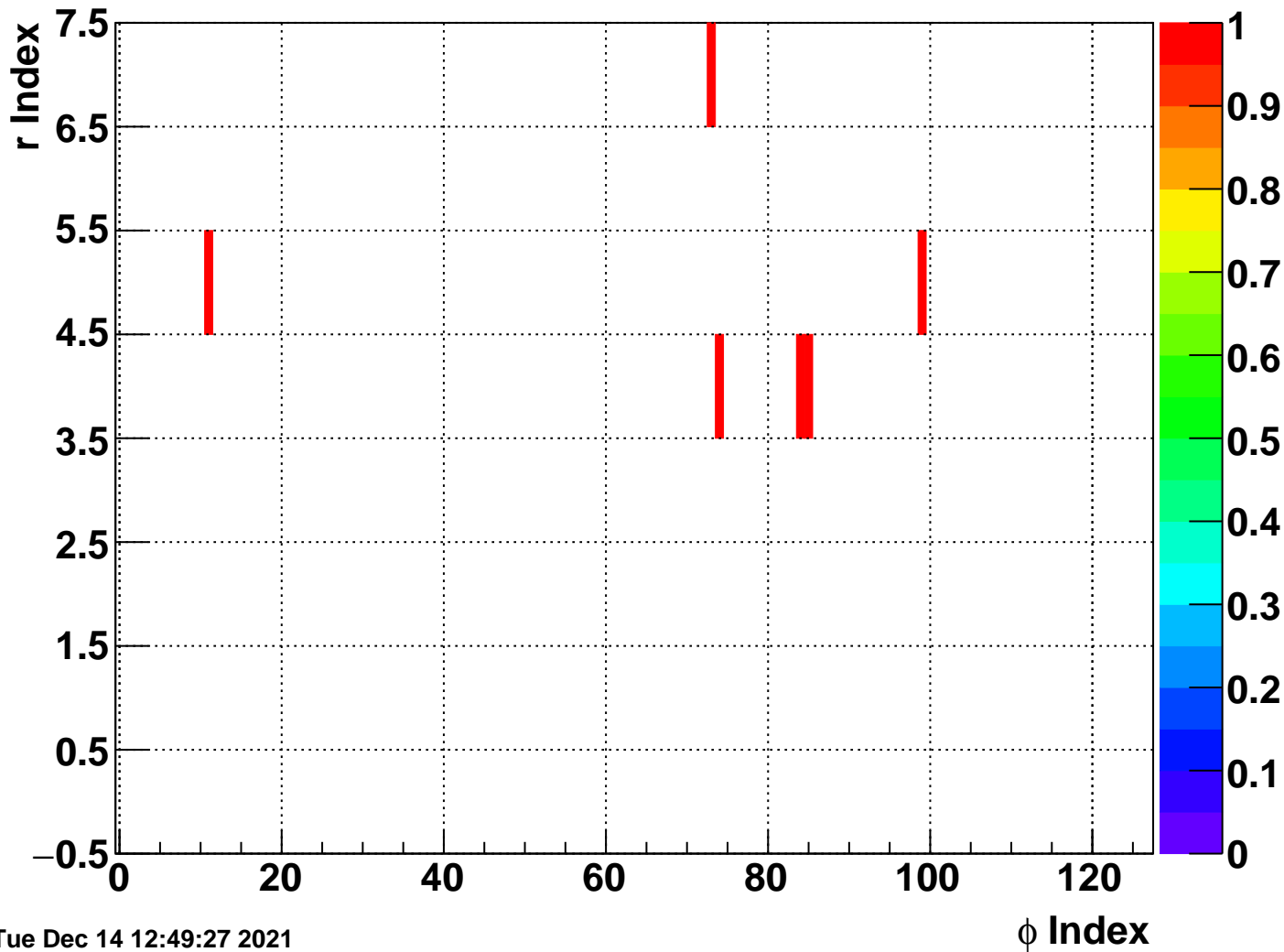




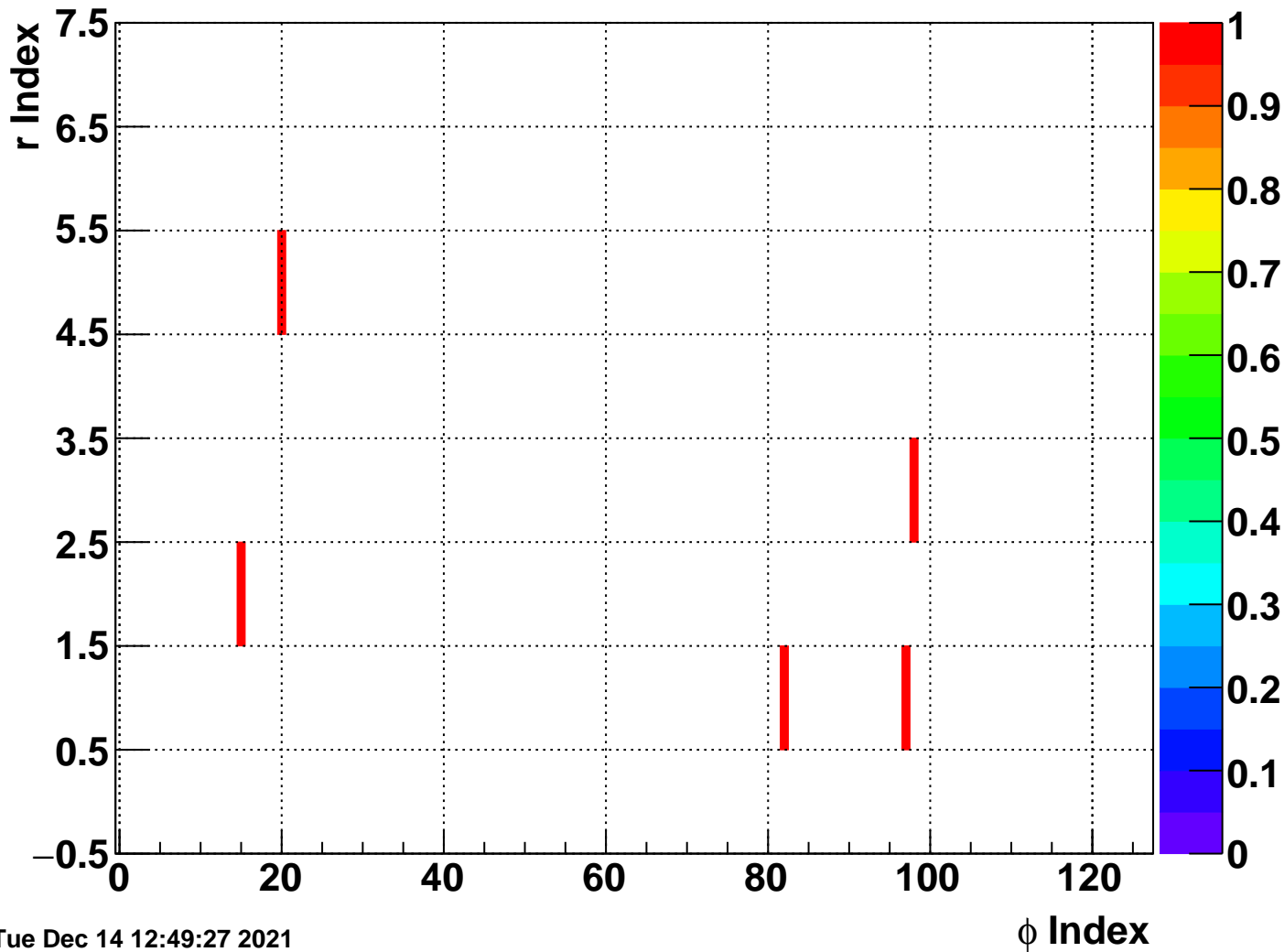
# FST - Hit Map (density): Disk2 Module2



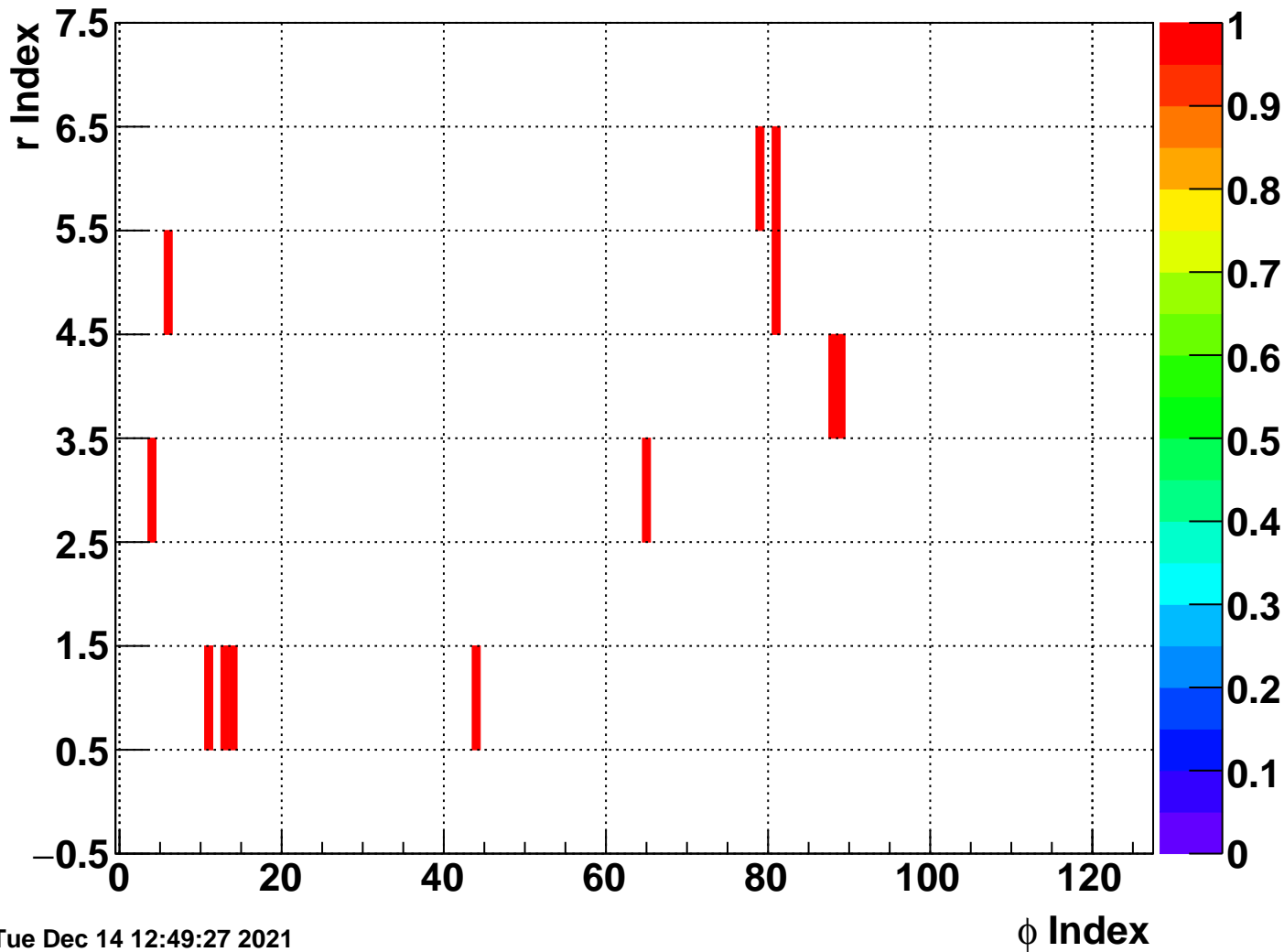
# FST - Hit Map (density): Disk2 Module3



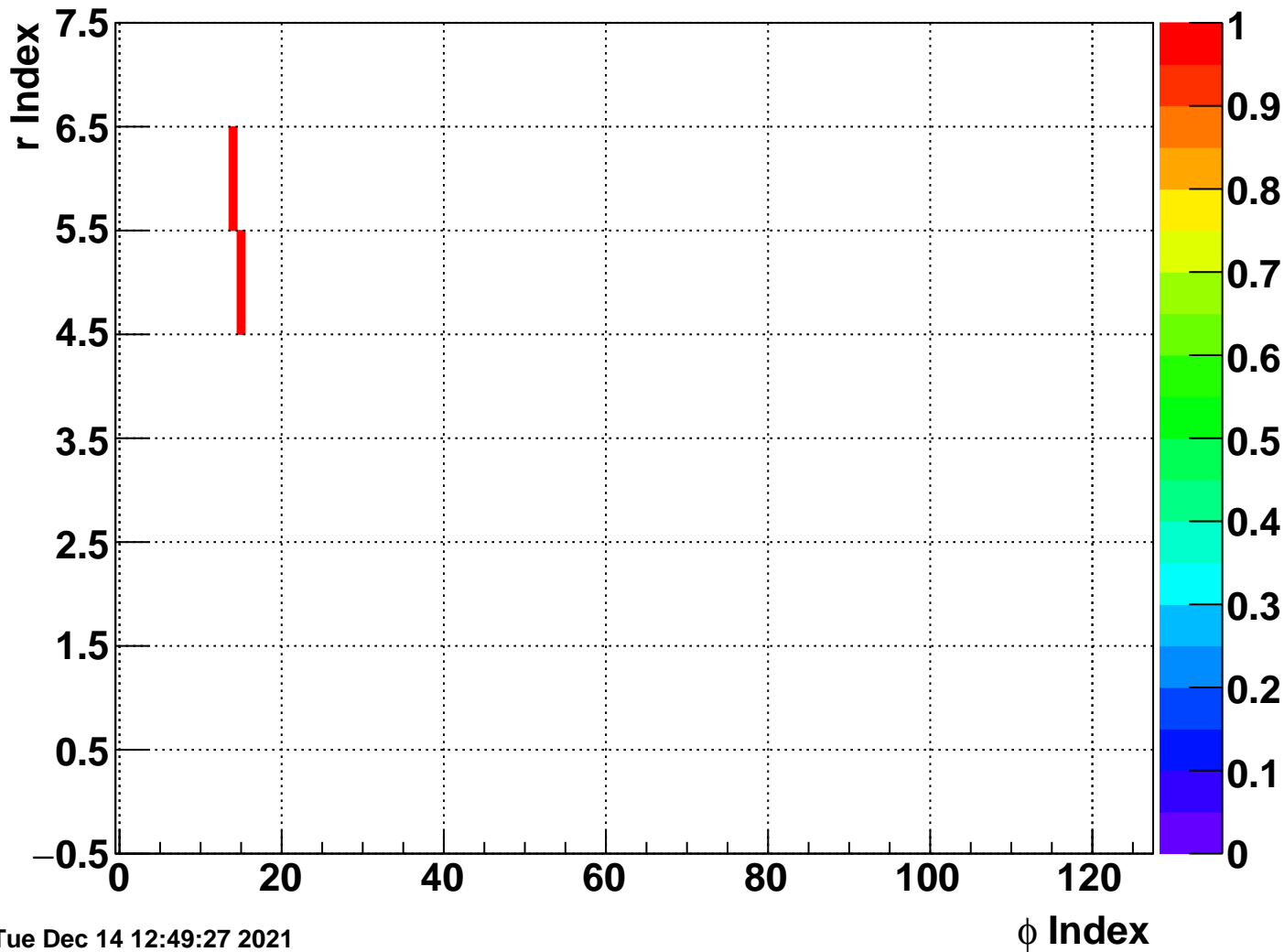
# FST - Hit Map (density): Disk2 Module4



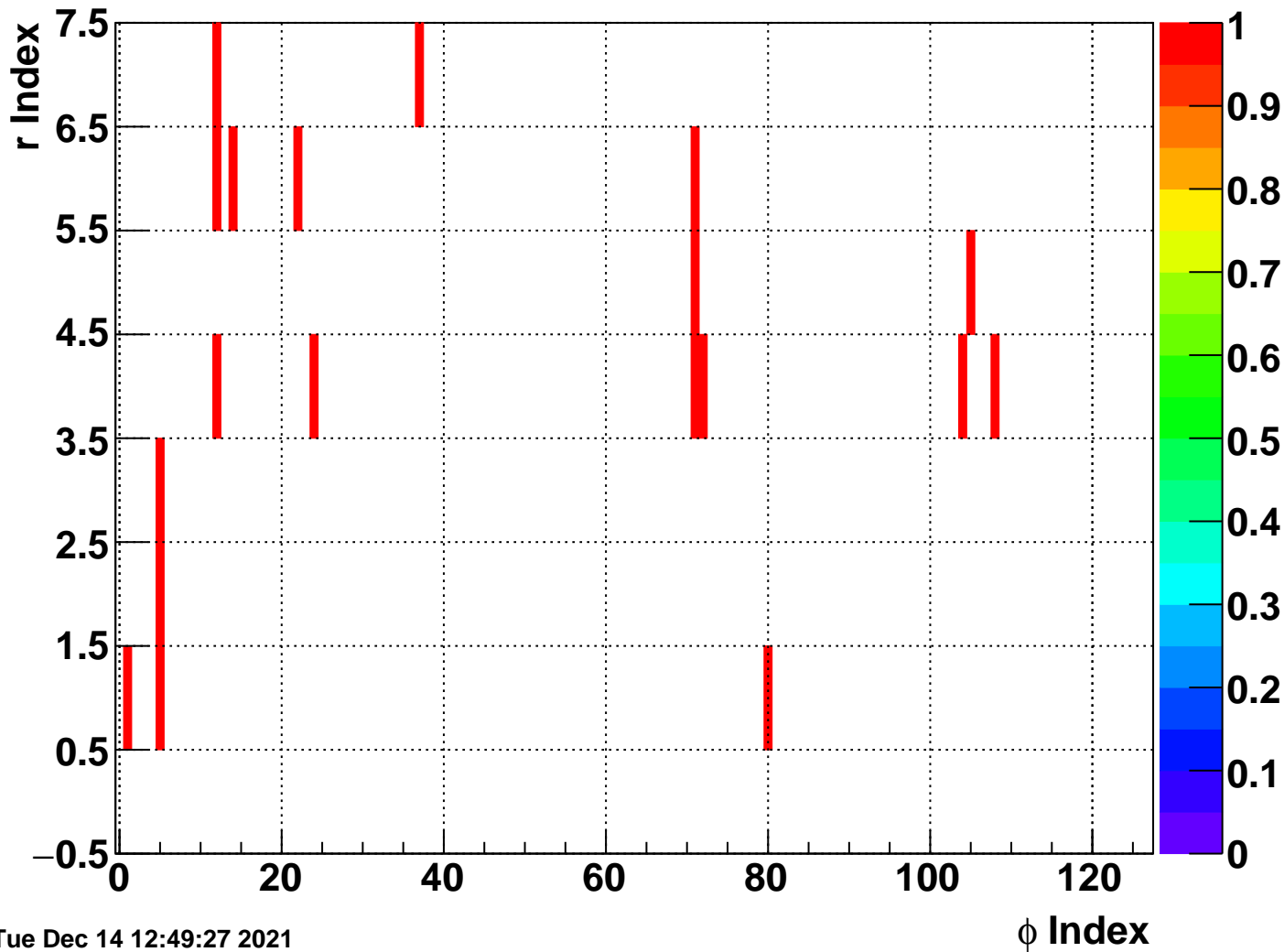
# FST - Hit Map (density): Disk2 Module5



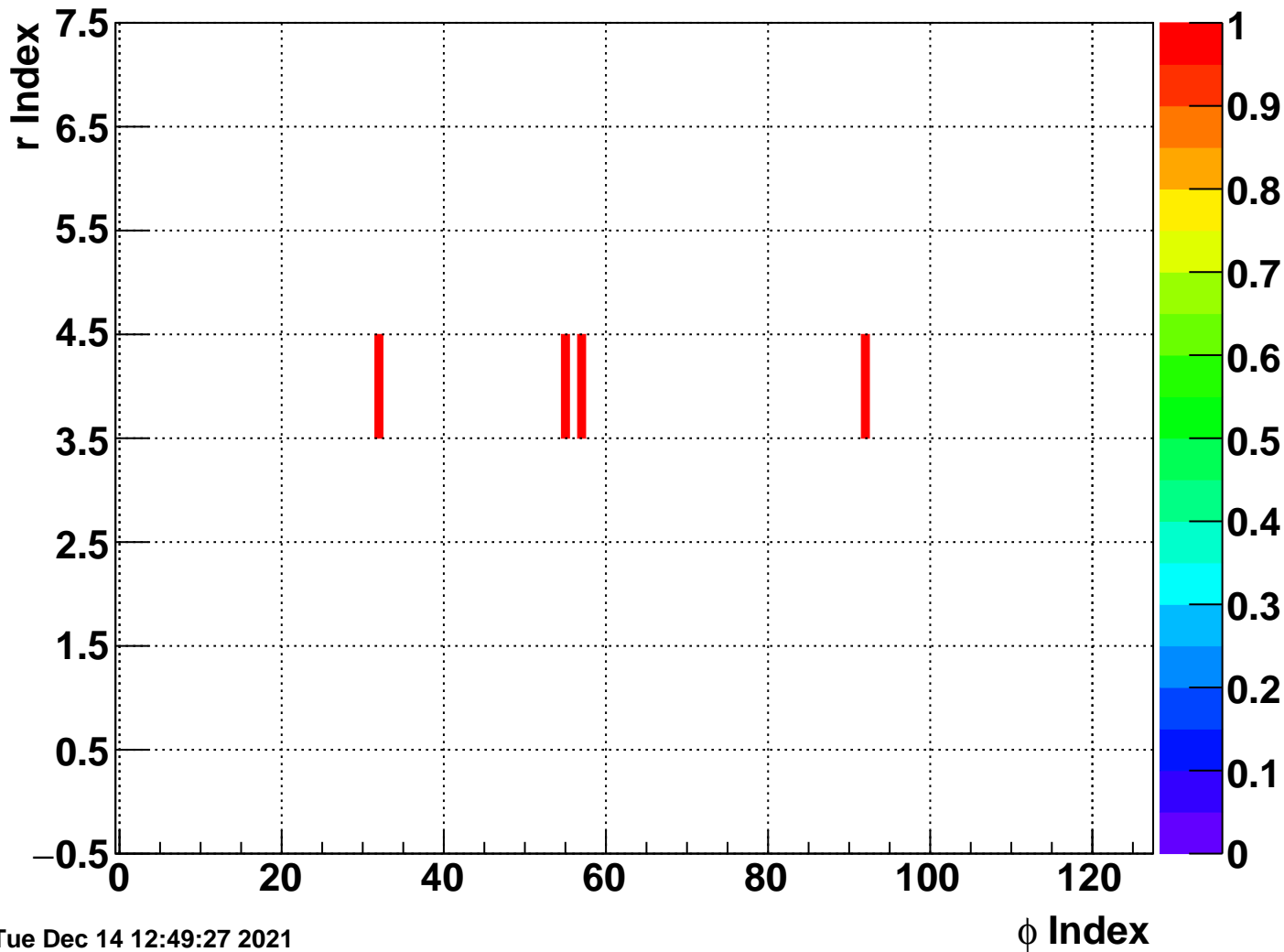
# FST - Hit Map (density): Disk2 Module6



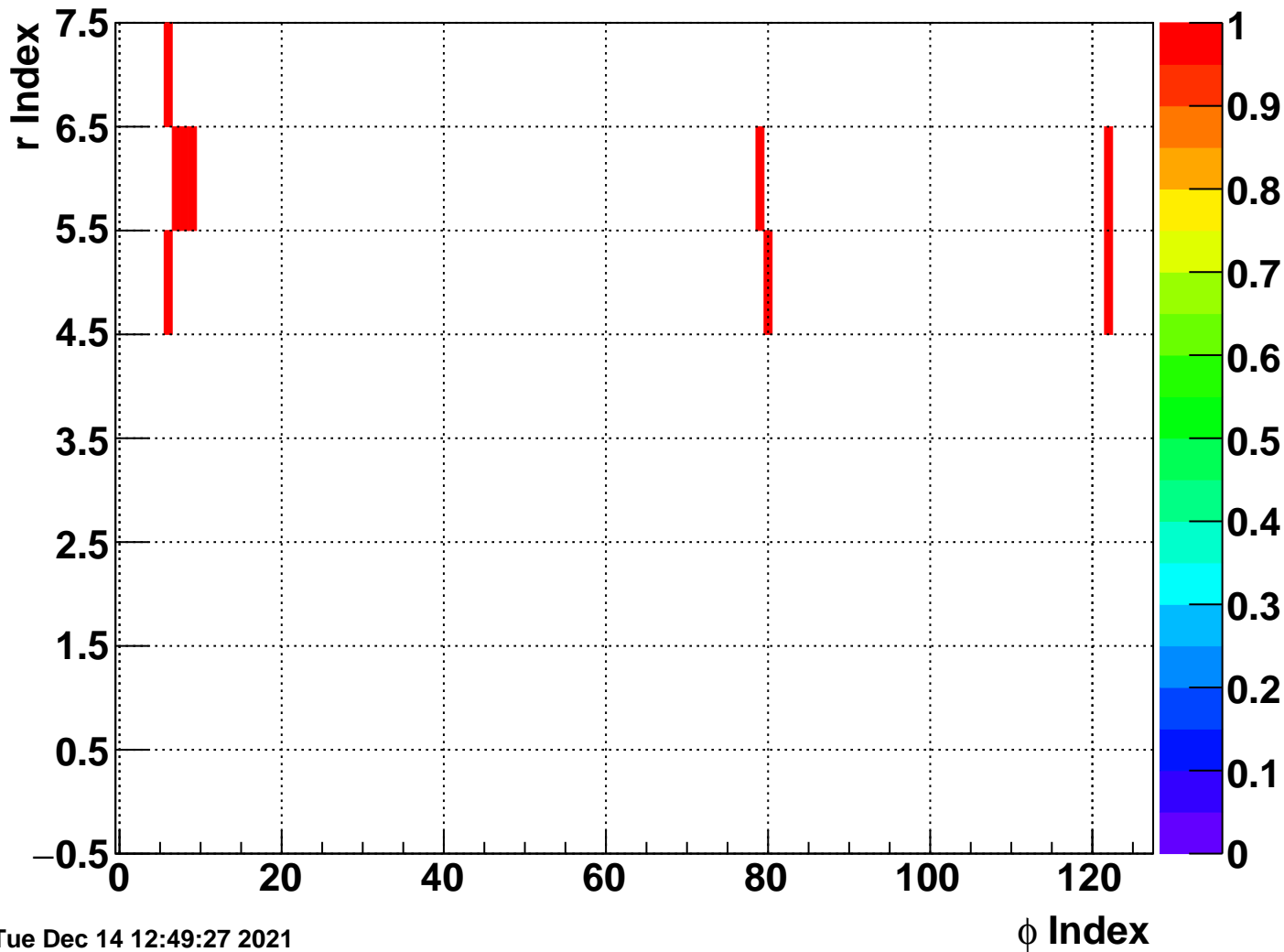
# FST - Hit Map (density): Disk2 Module7



# FST - Hit Map (density): Disk2 Module8

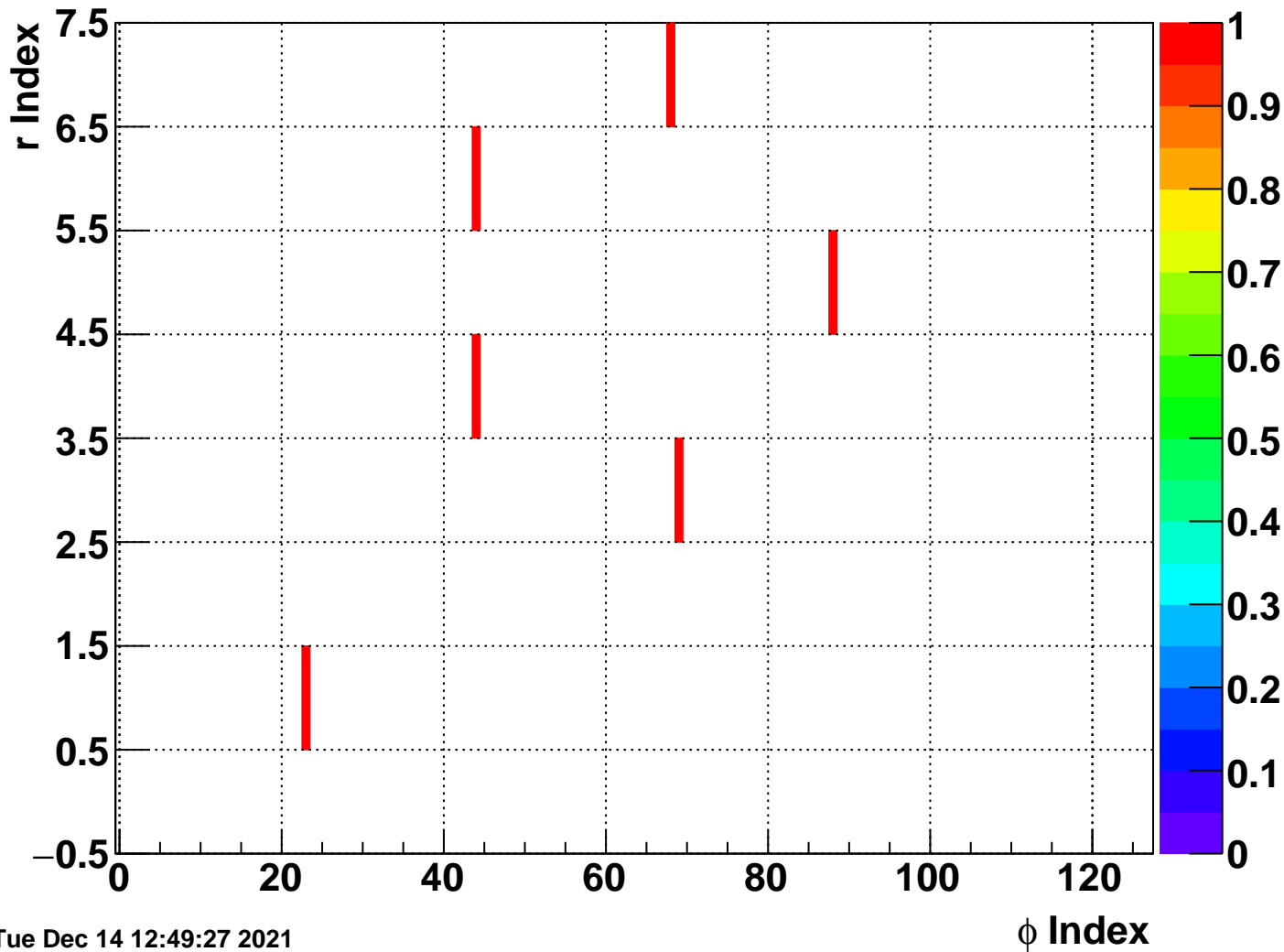


# FST - Hit Map (density): Disk2 Module9

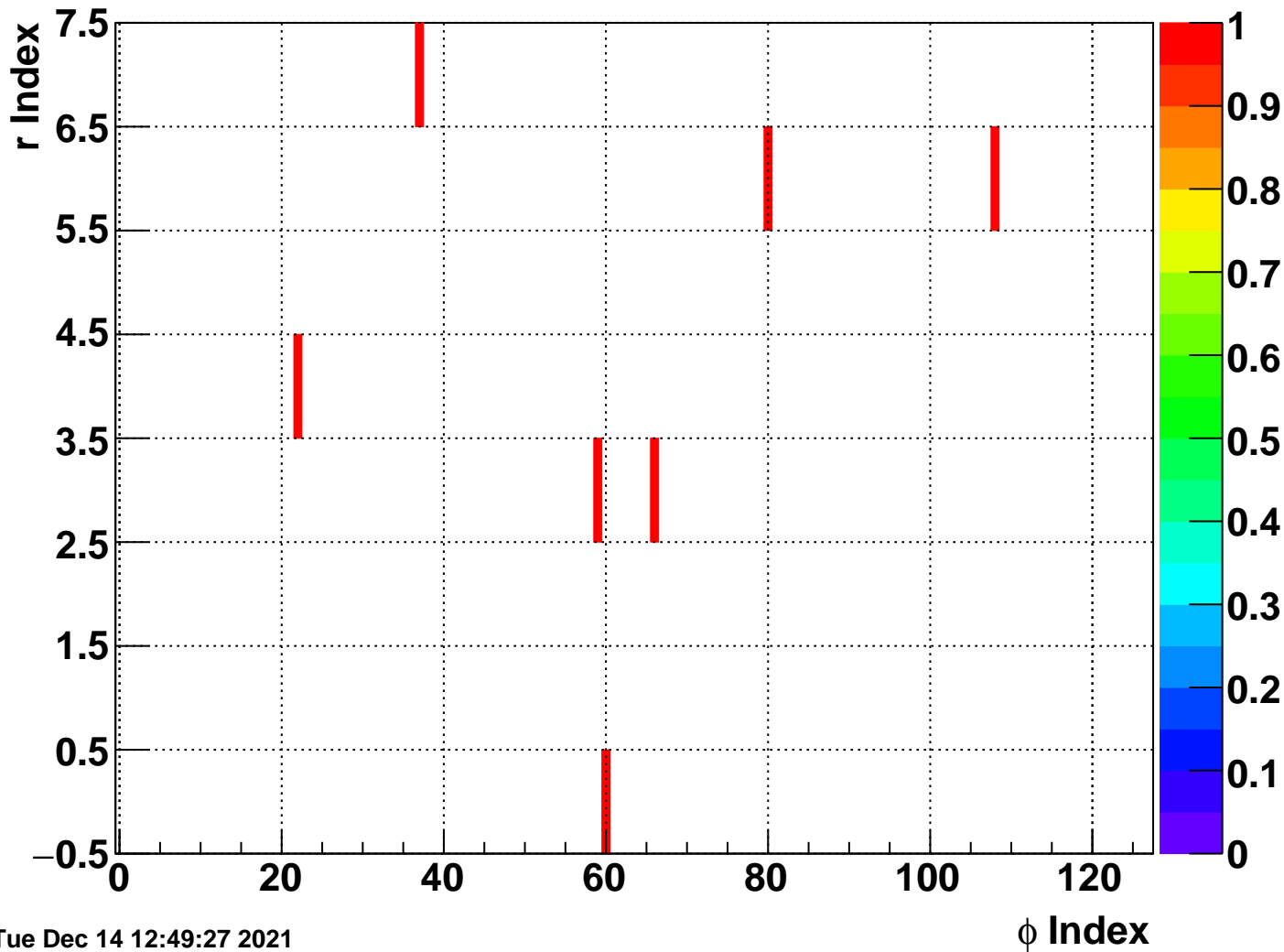




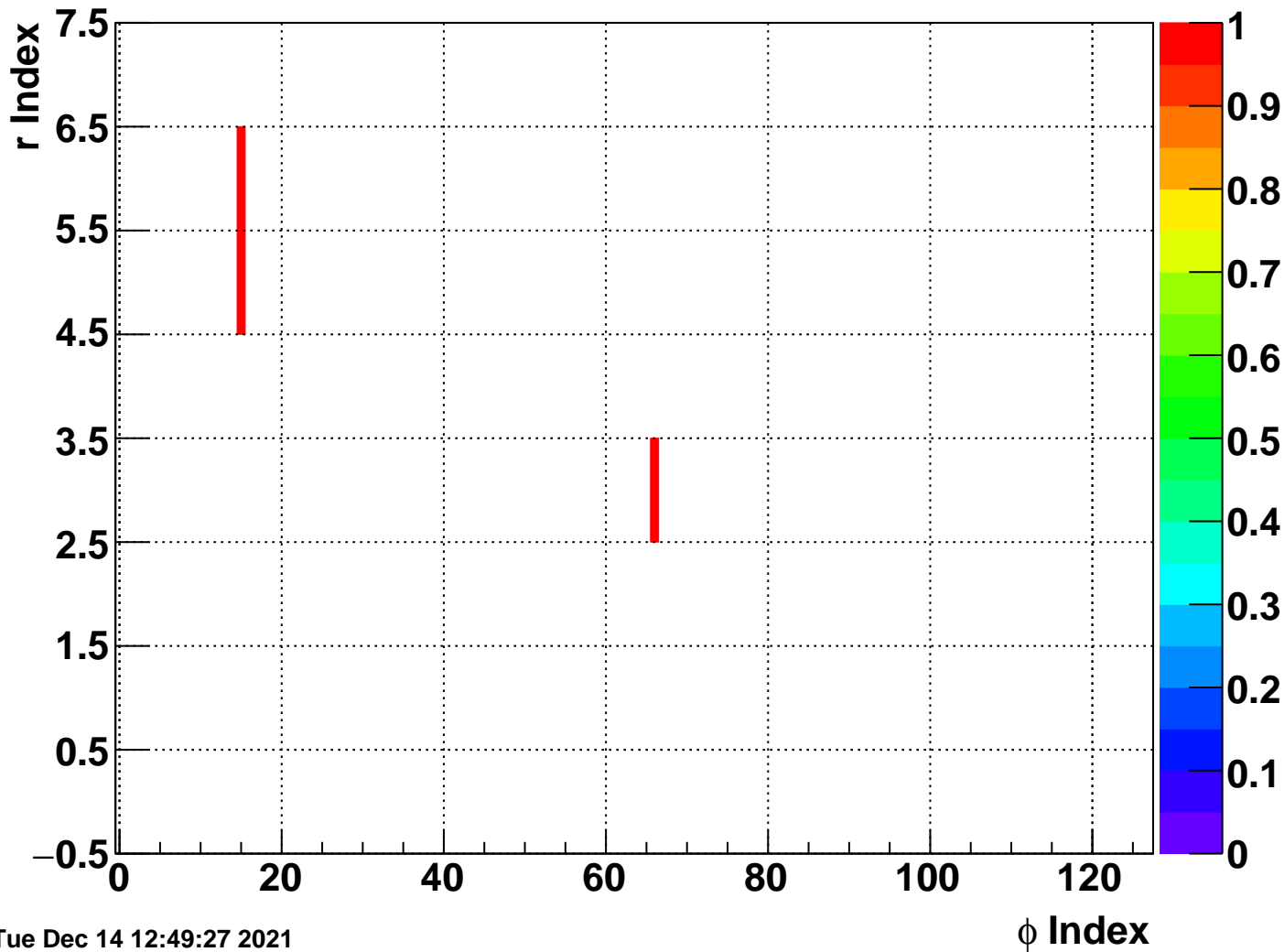
# FST - Hit Map (density): Disk2 Module10



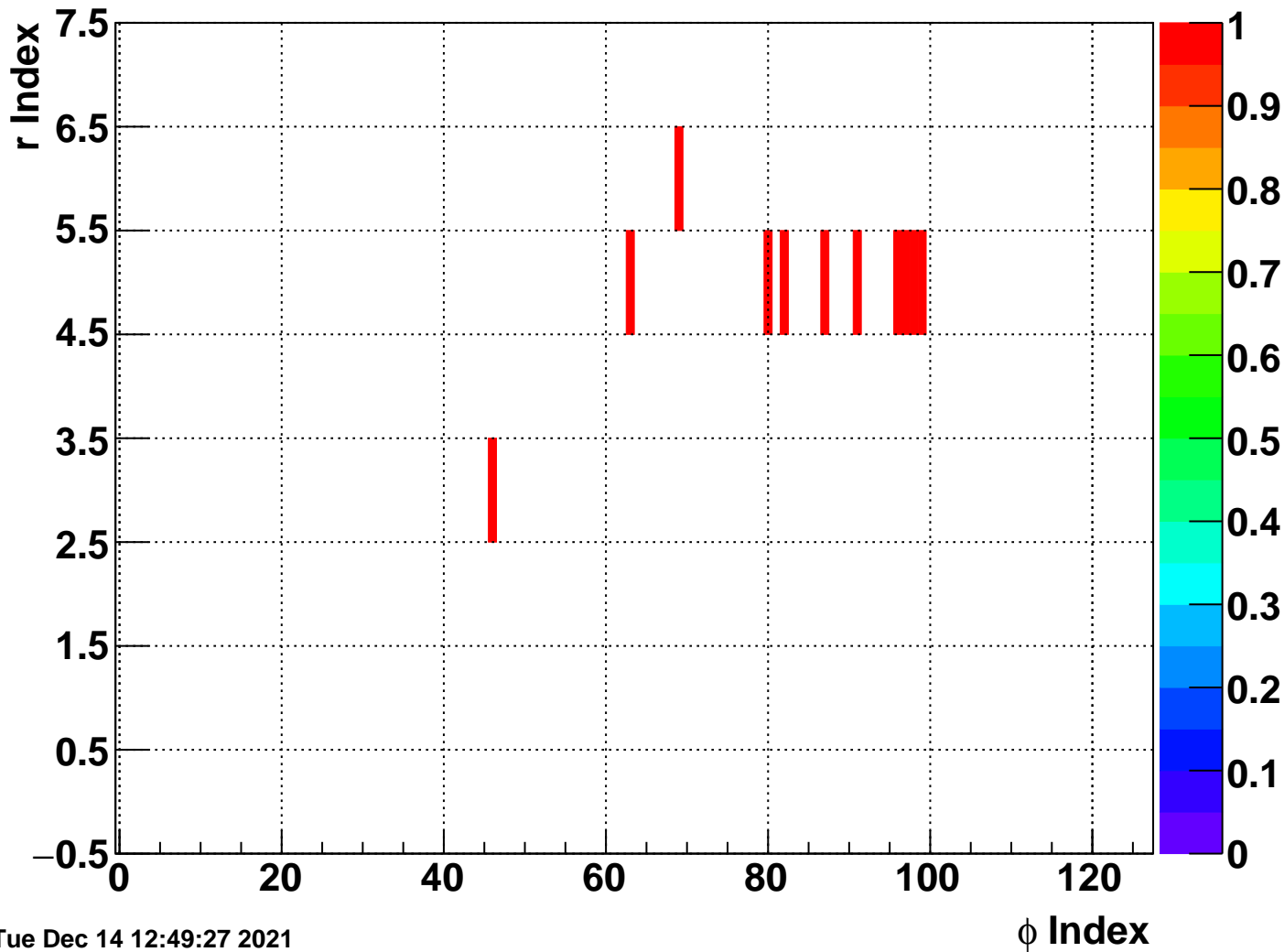
# FST - Hit Map (density): Disk2 Module11



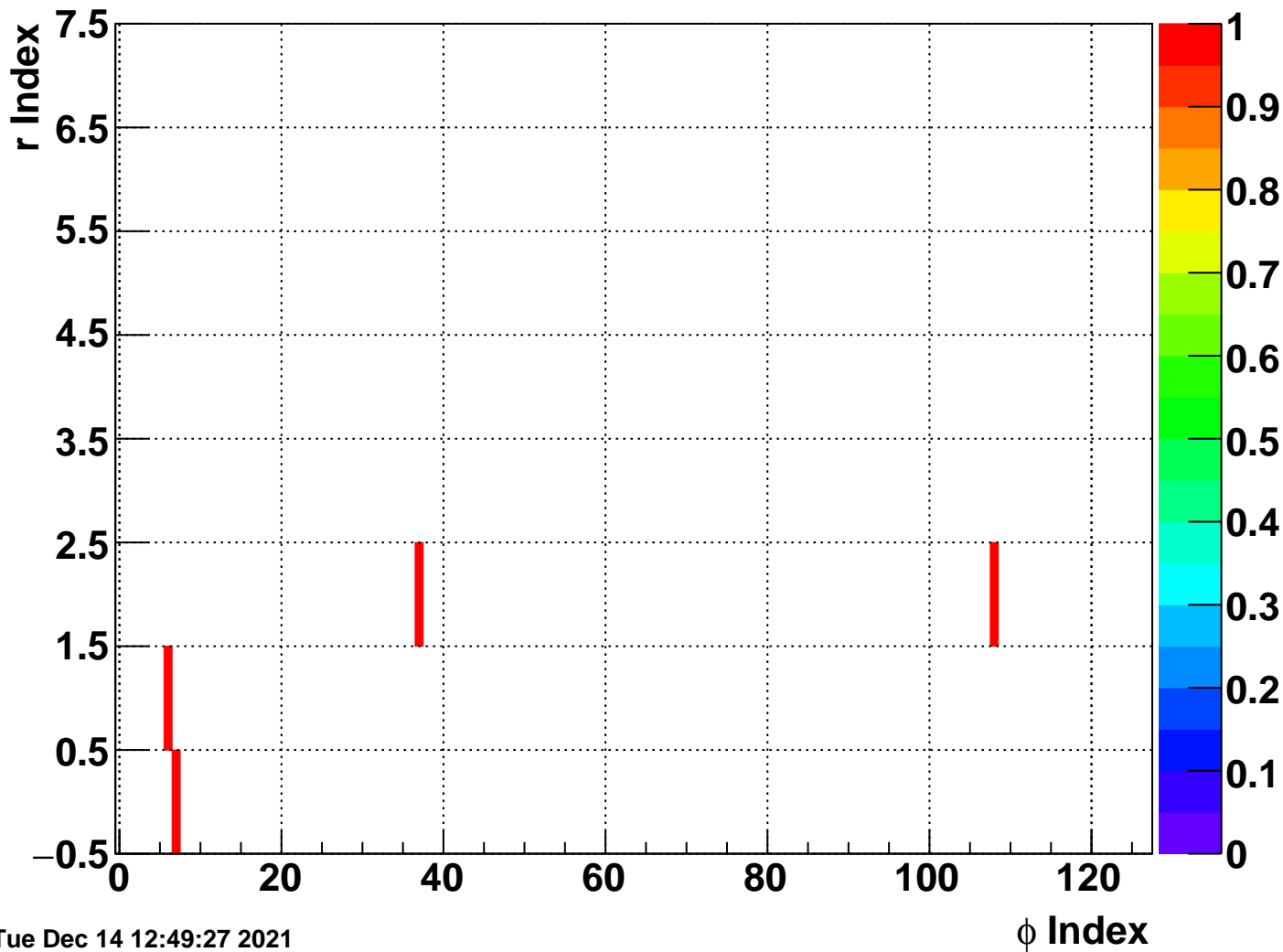
# FST - Hit Map (density): Disk2 Module12



# FST - Hit Map (density): Disk3 Module1

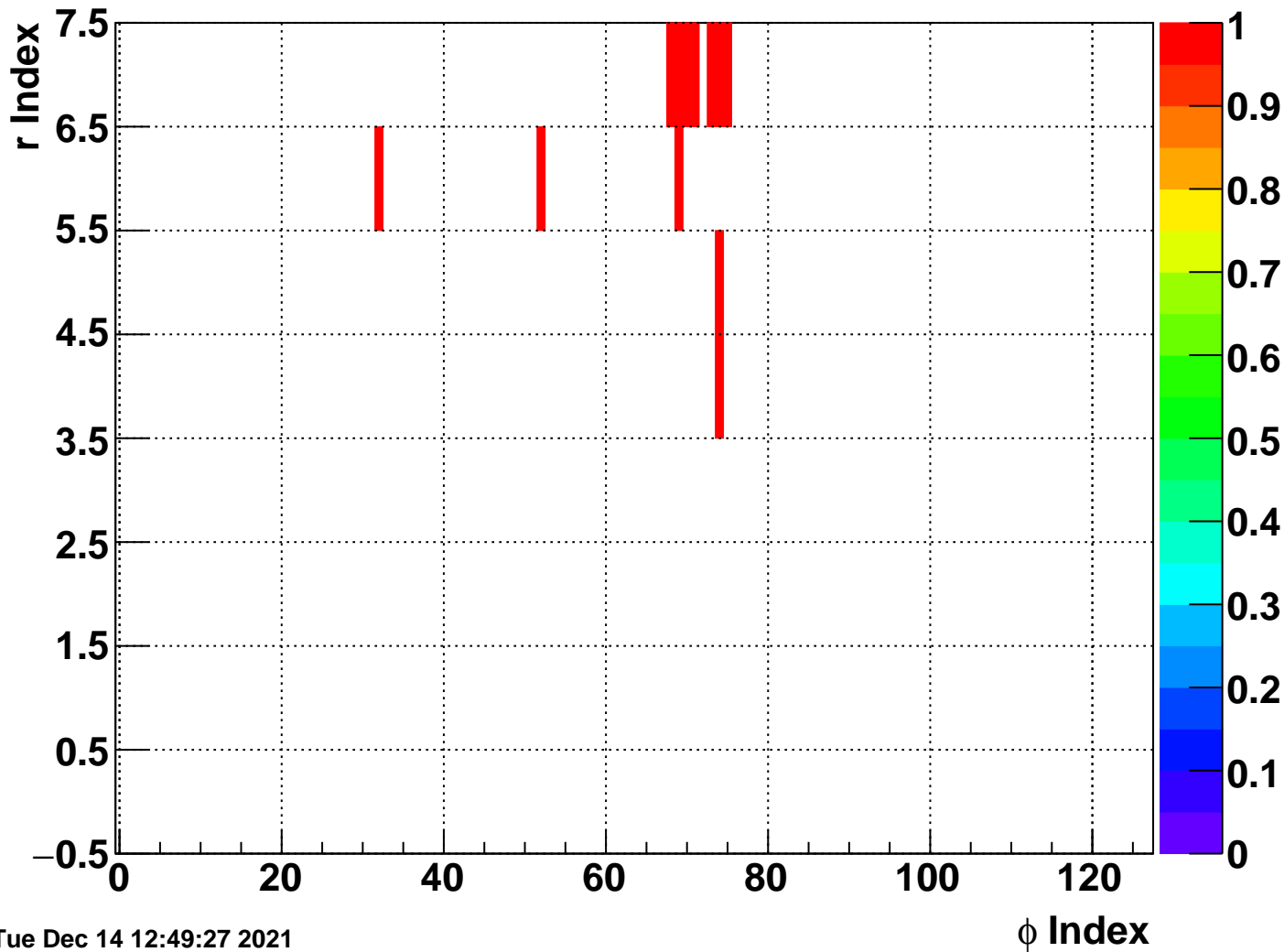


# FST - Hit Map (density): Disk3 Module2

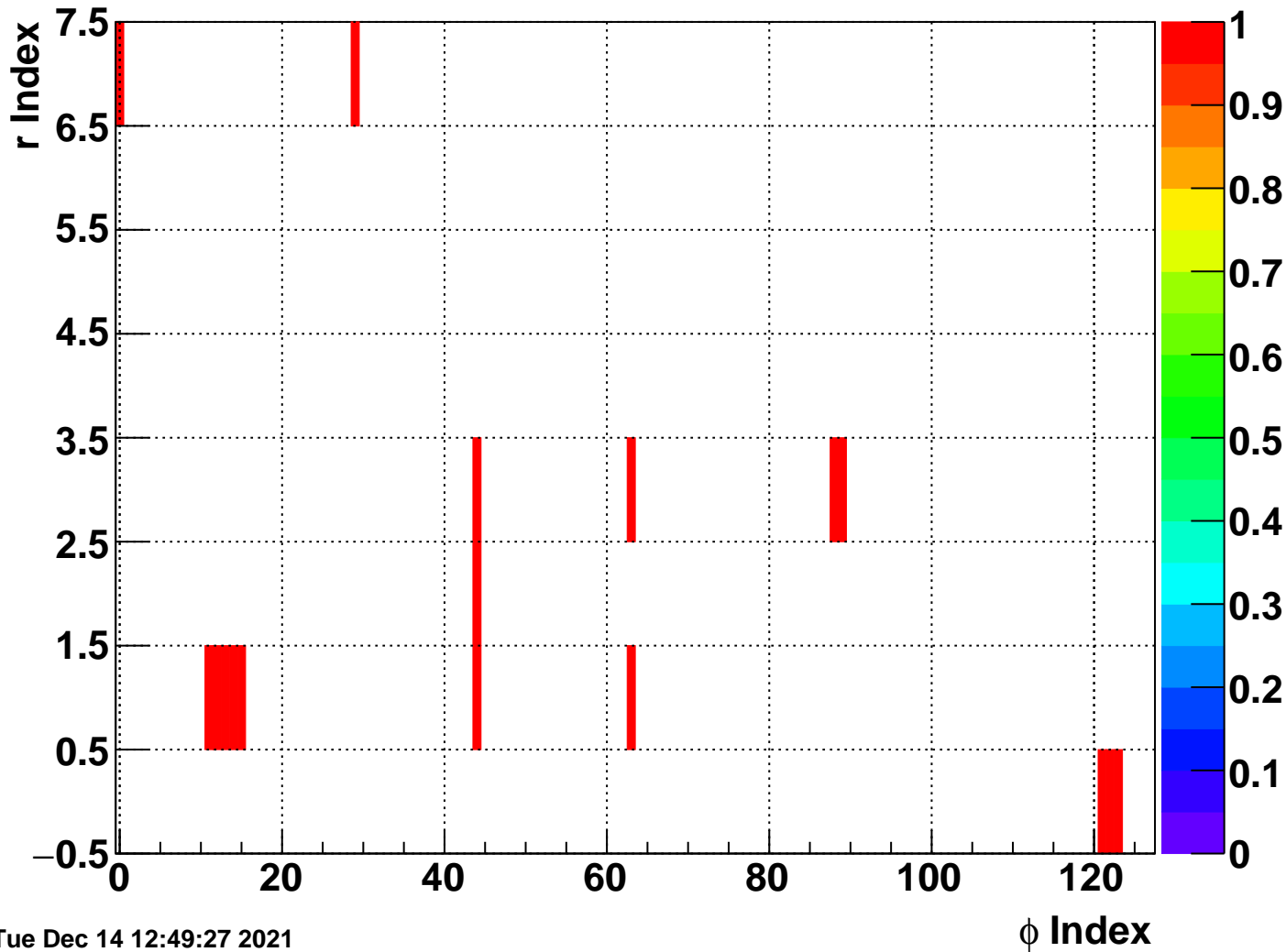


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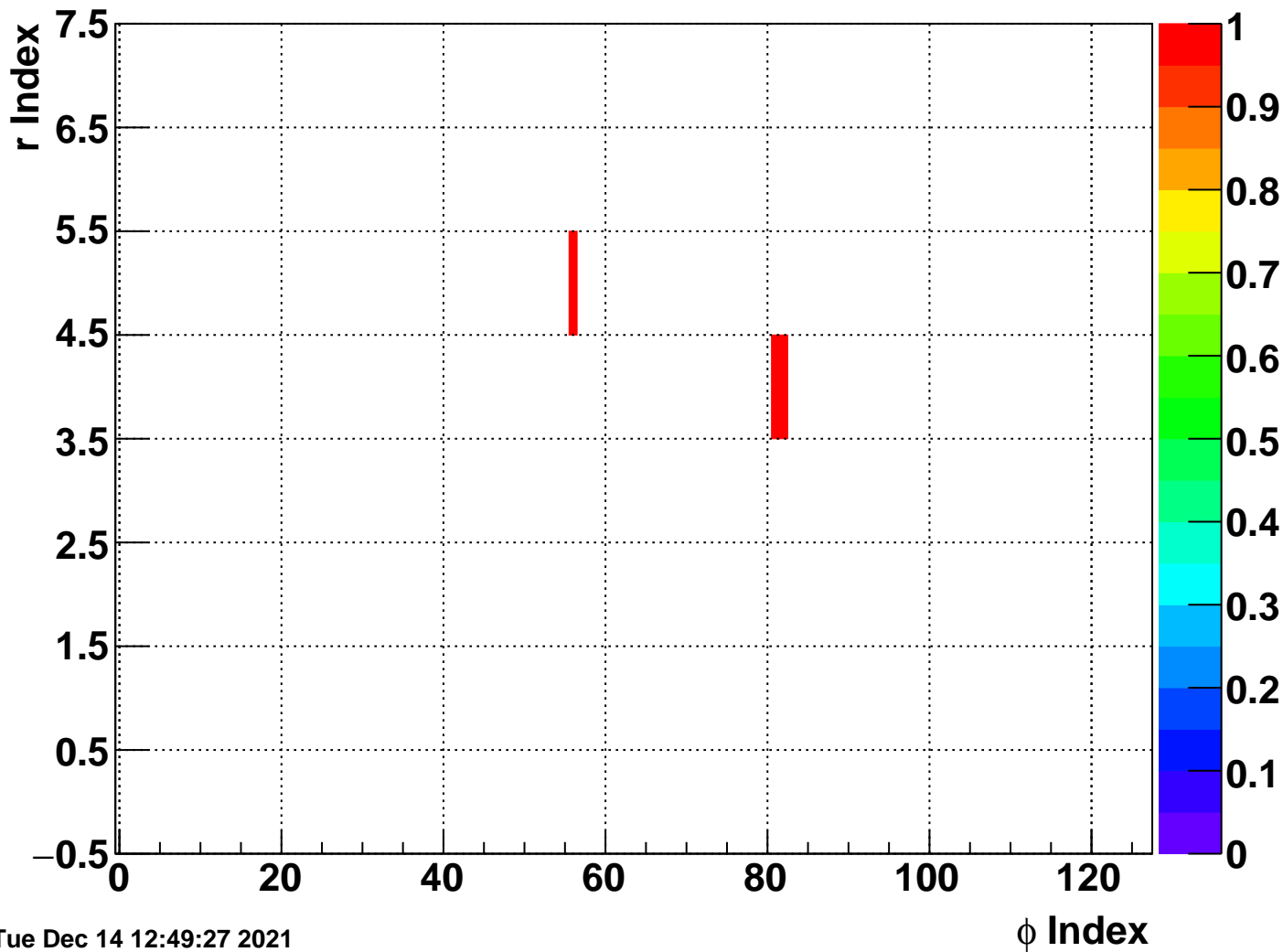
# FST - Hit Map (density): Disk3 Module3



# FST - Hit Map (density): Disk3 Module4

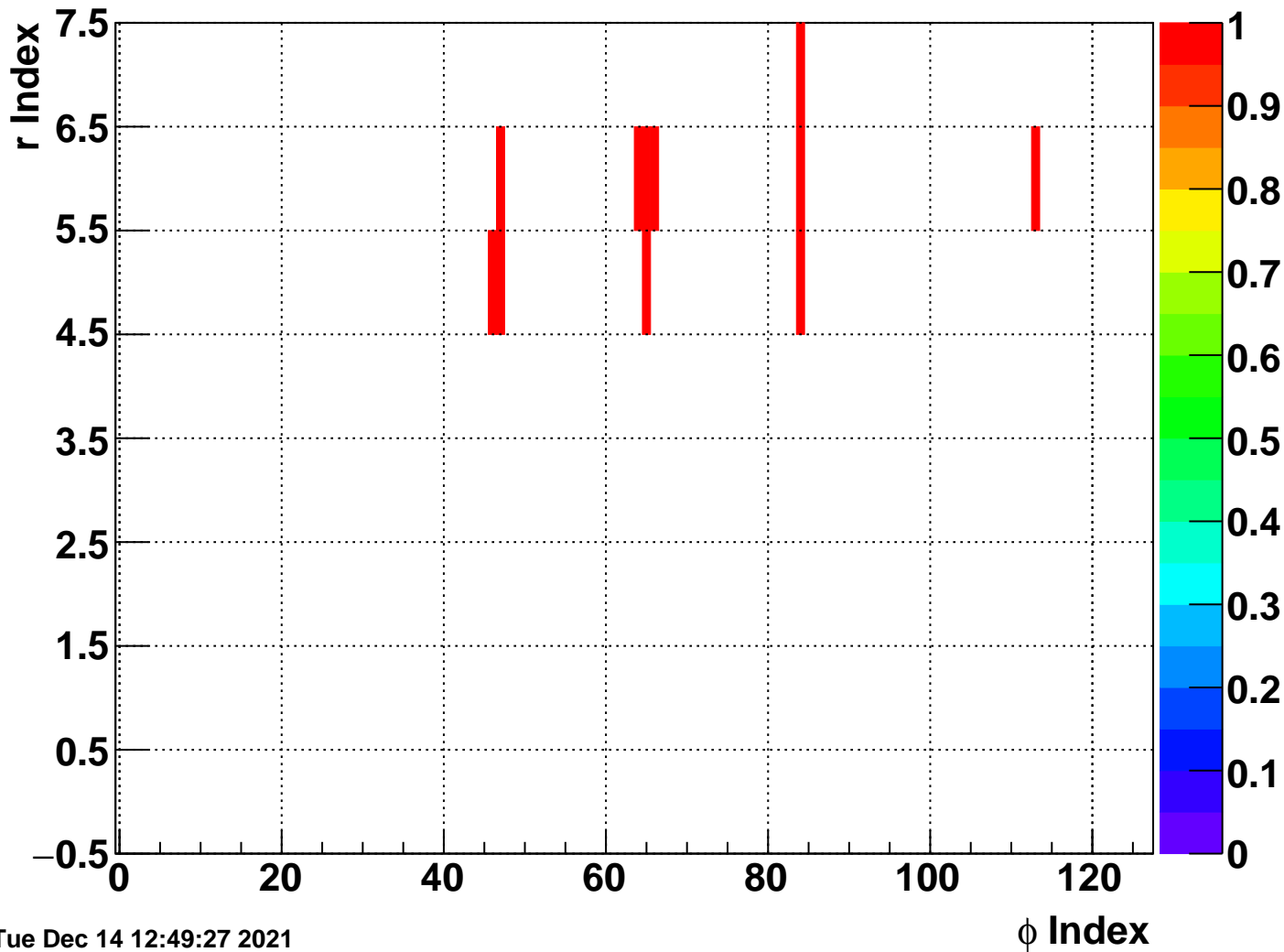


# FST - Hit Map (density): Disk3 Module5

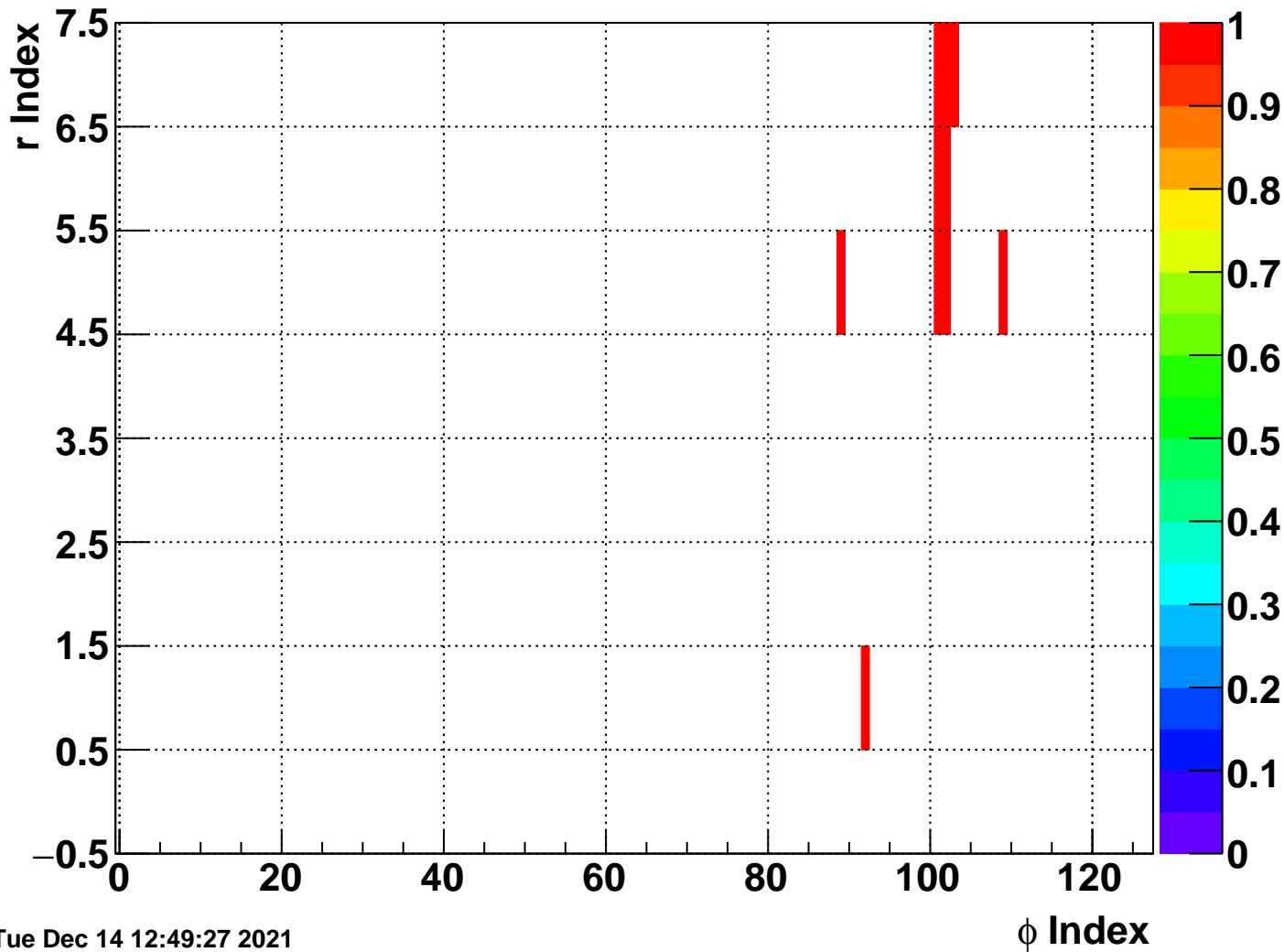




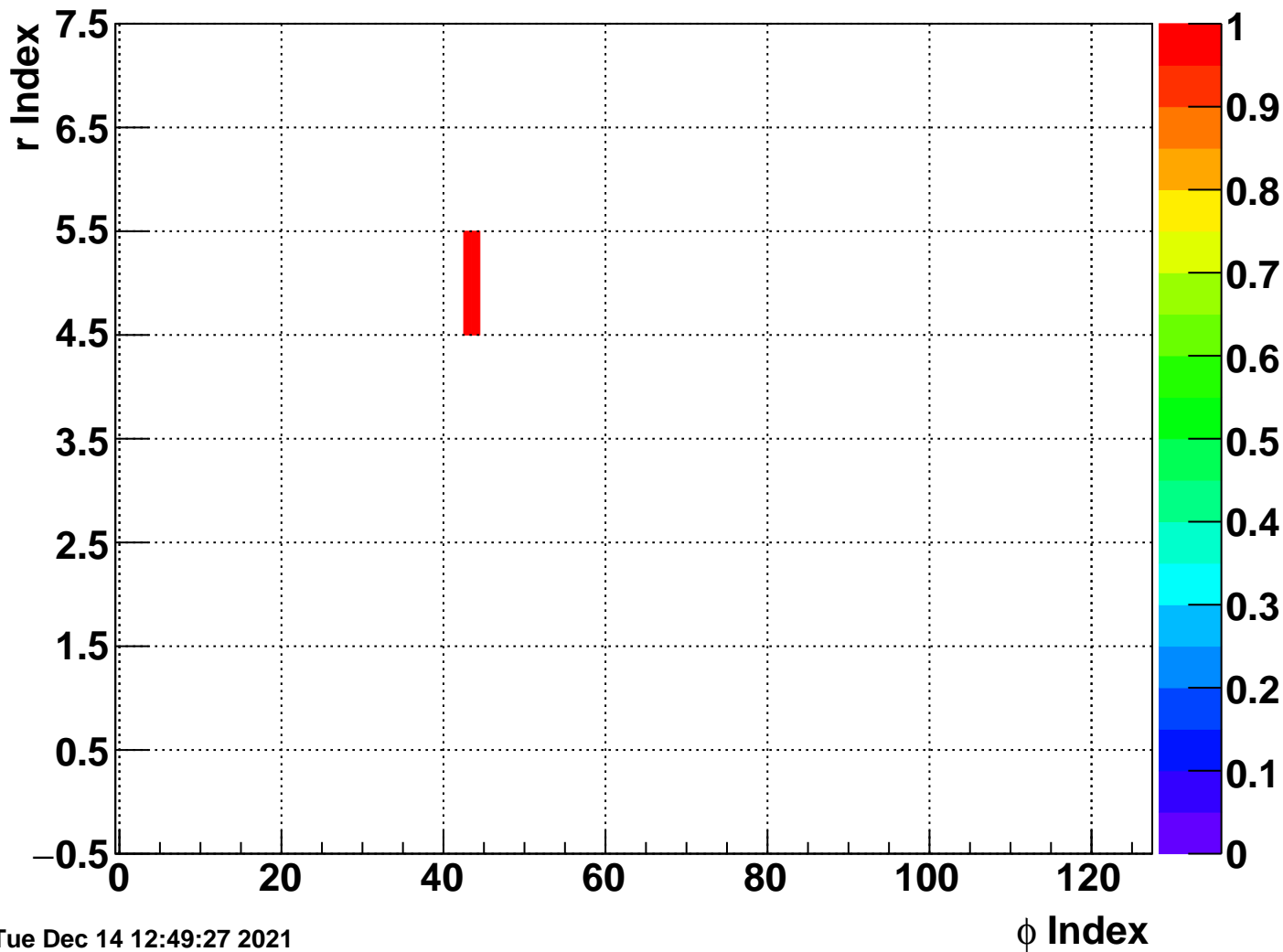
# FST - Hit Map (density): Disk3 Module6



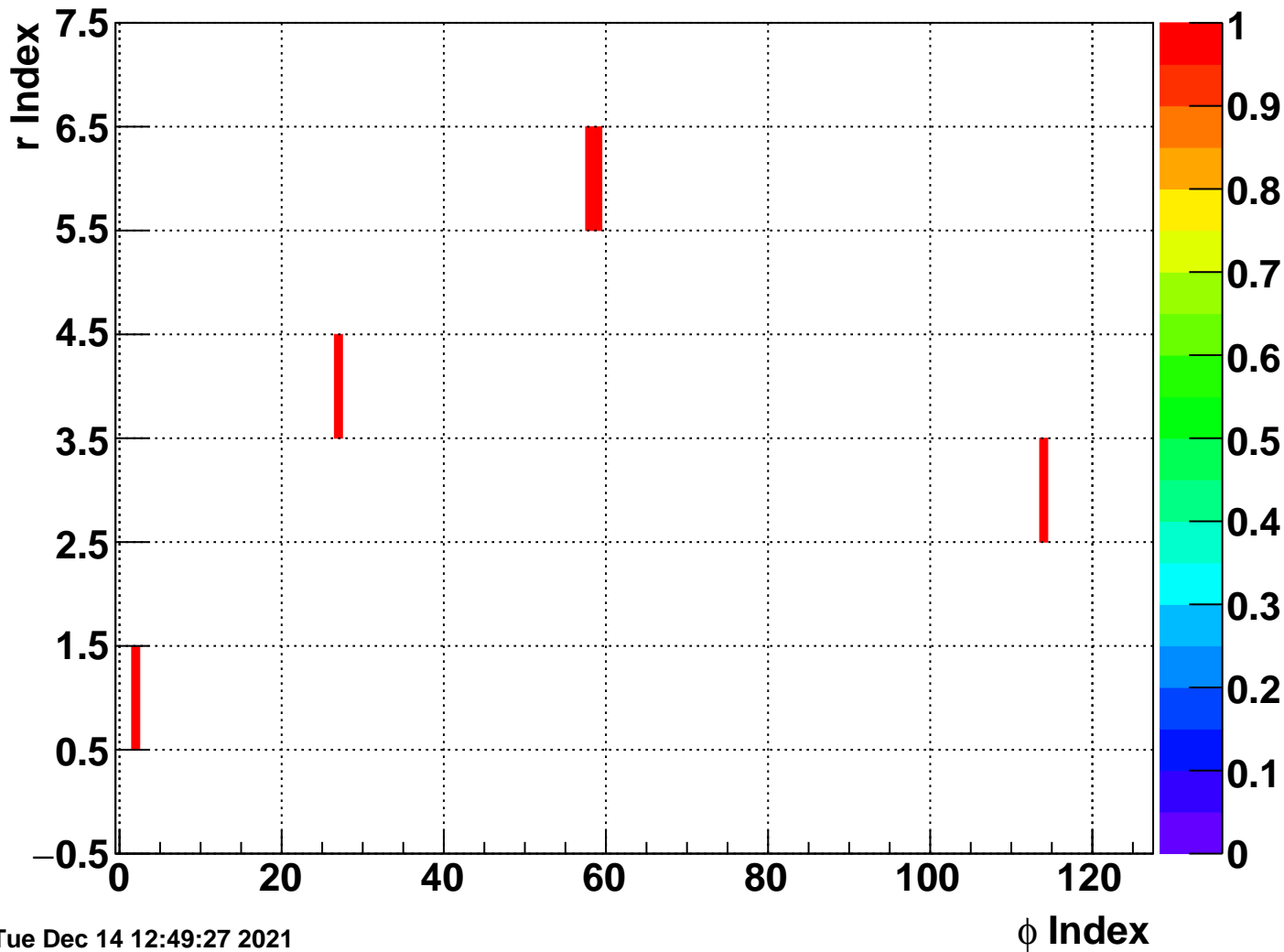
# FST - Hit Map (density): Disk3 Module7



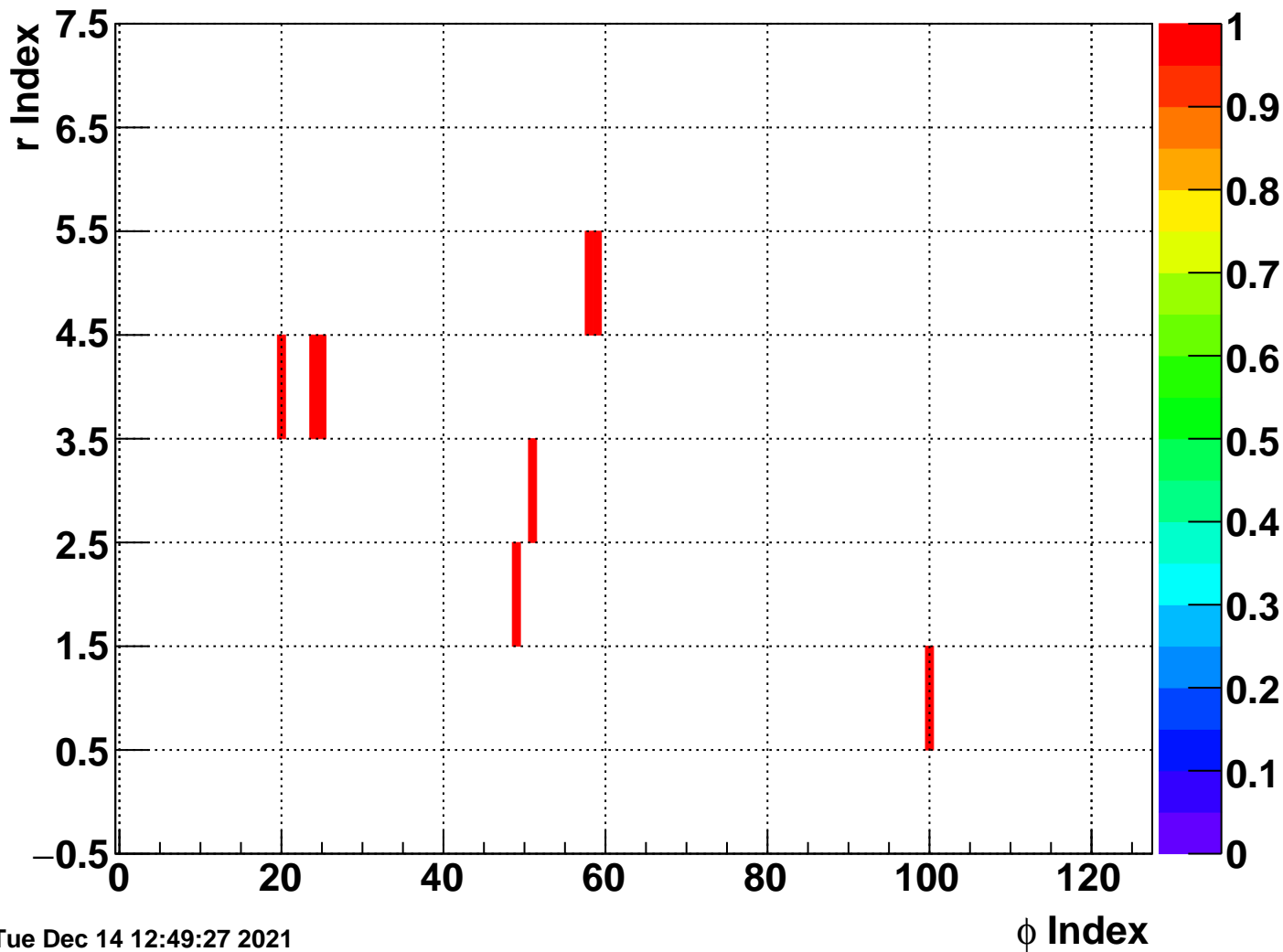
# FST - Hit Map (density): Disk3 Module8



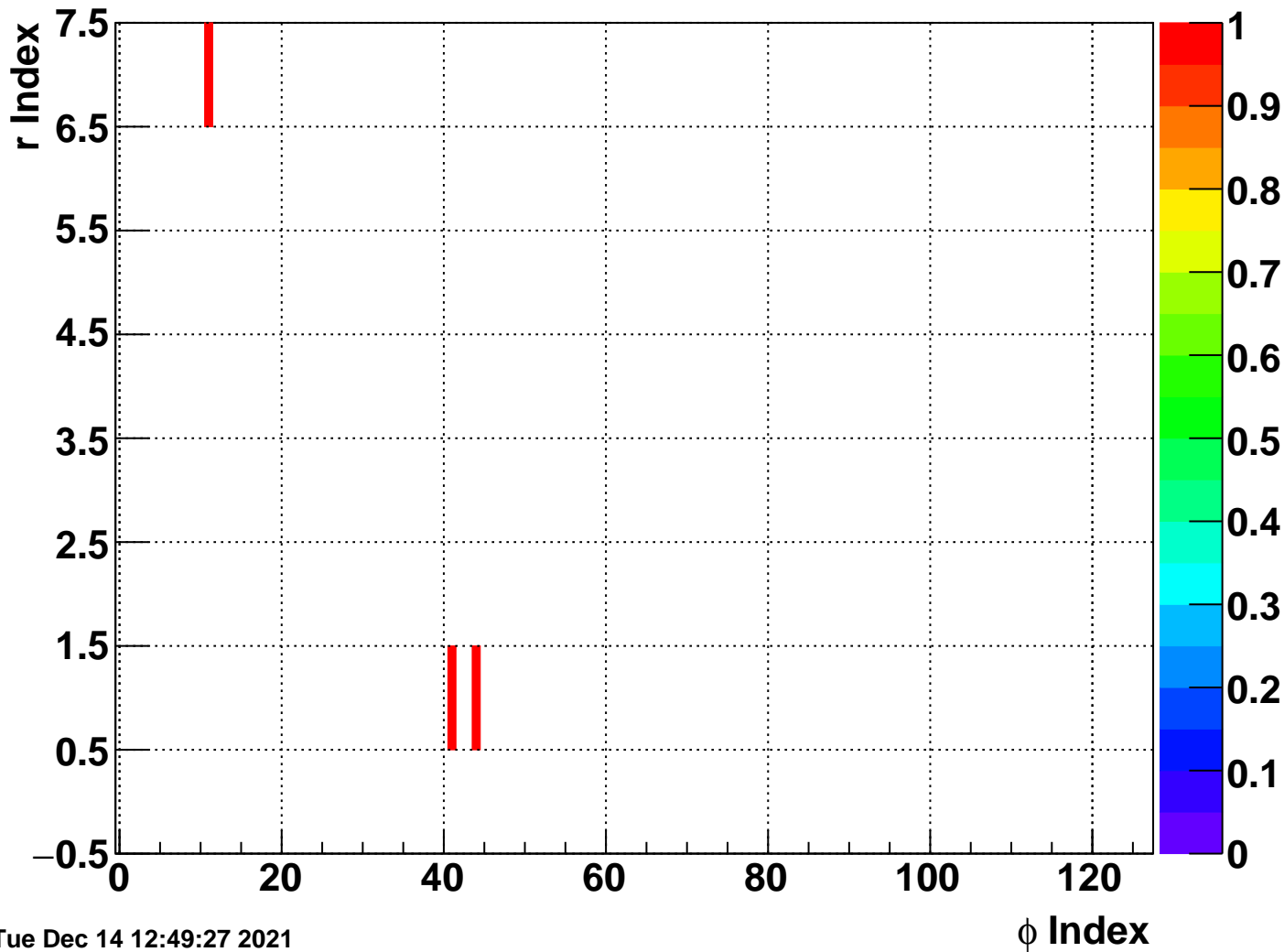
# FST - Hit Map (density): Disk3 Module9



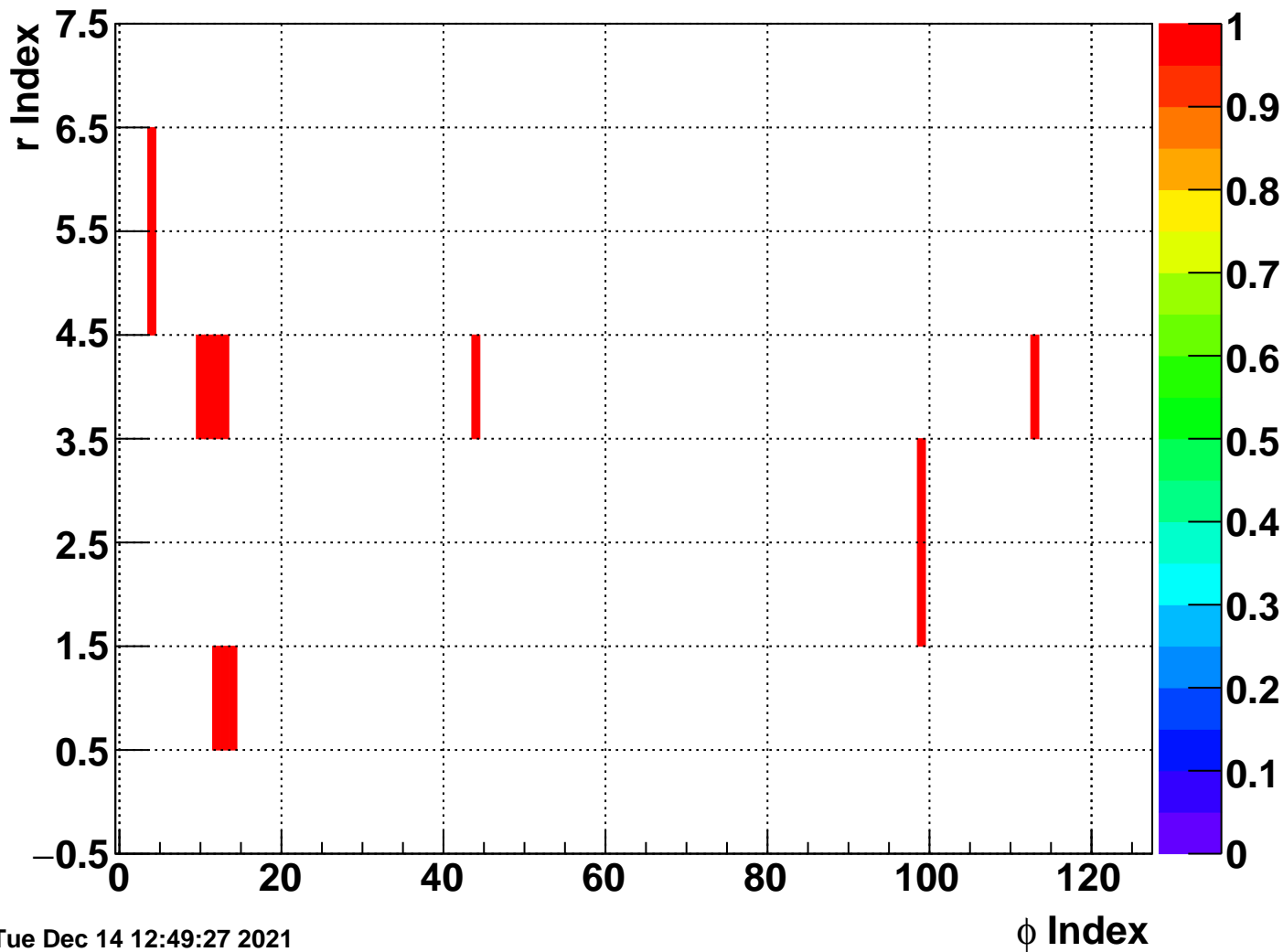
# FST - Hit Map (density): Disk3 Module10

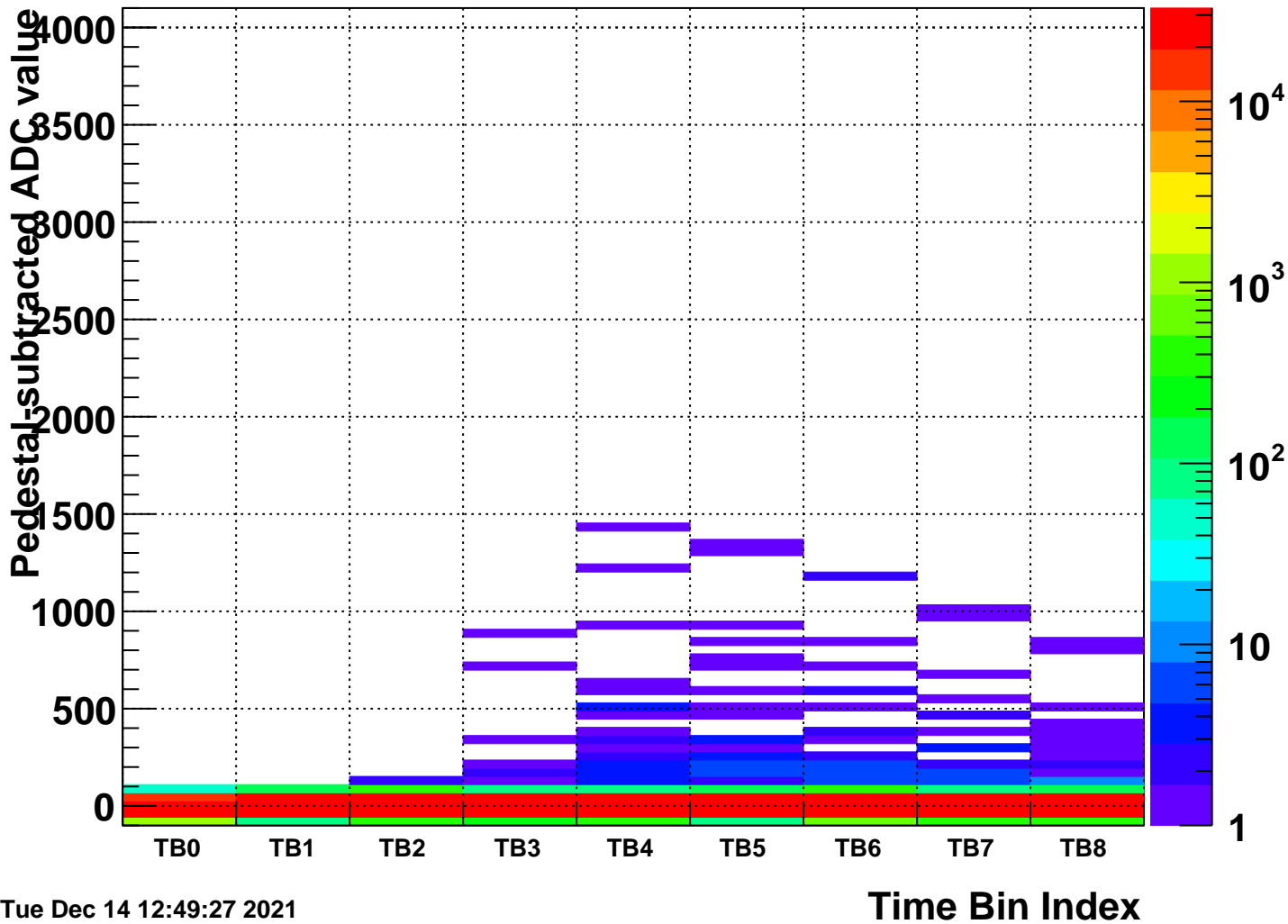


# FST - Hit Map (density): Disk3 Module11

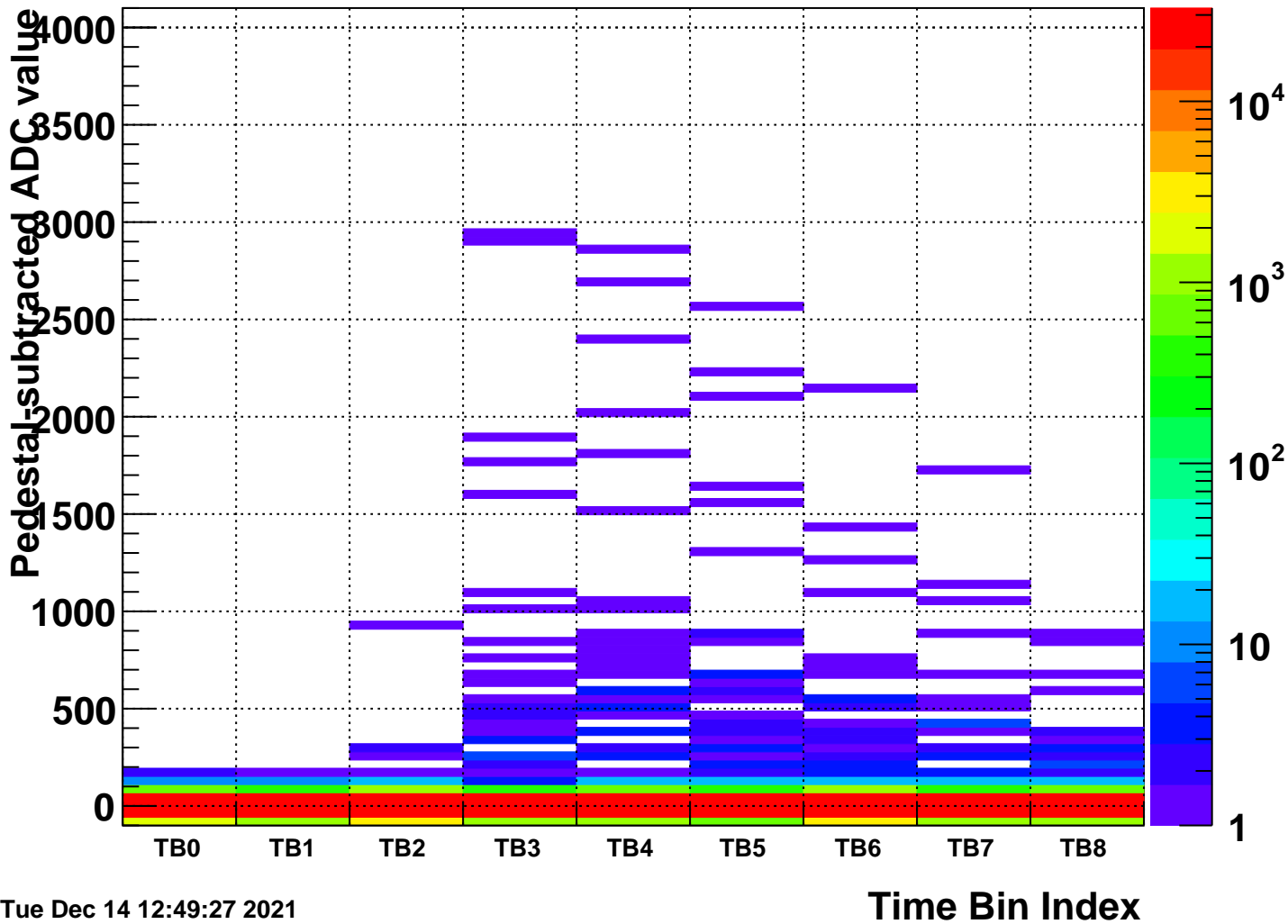


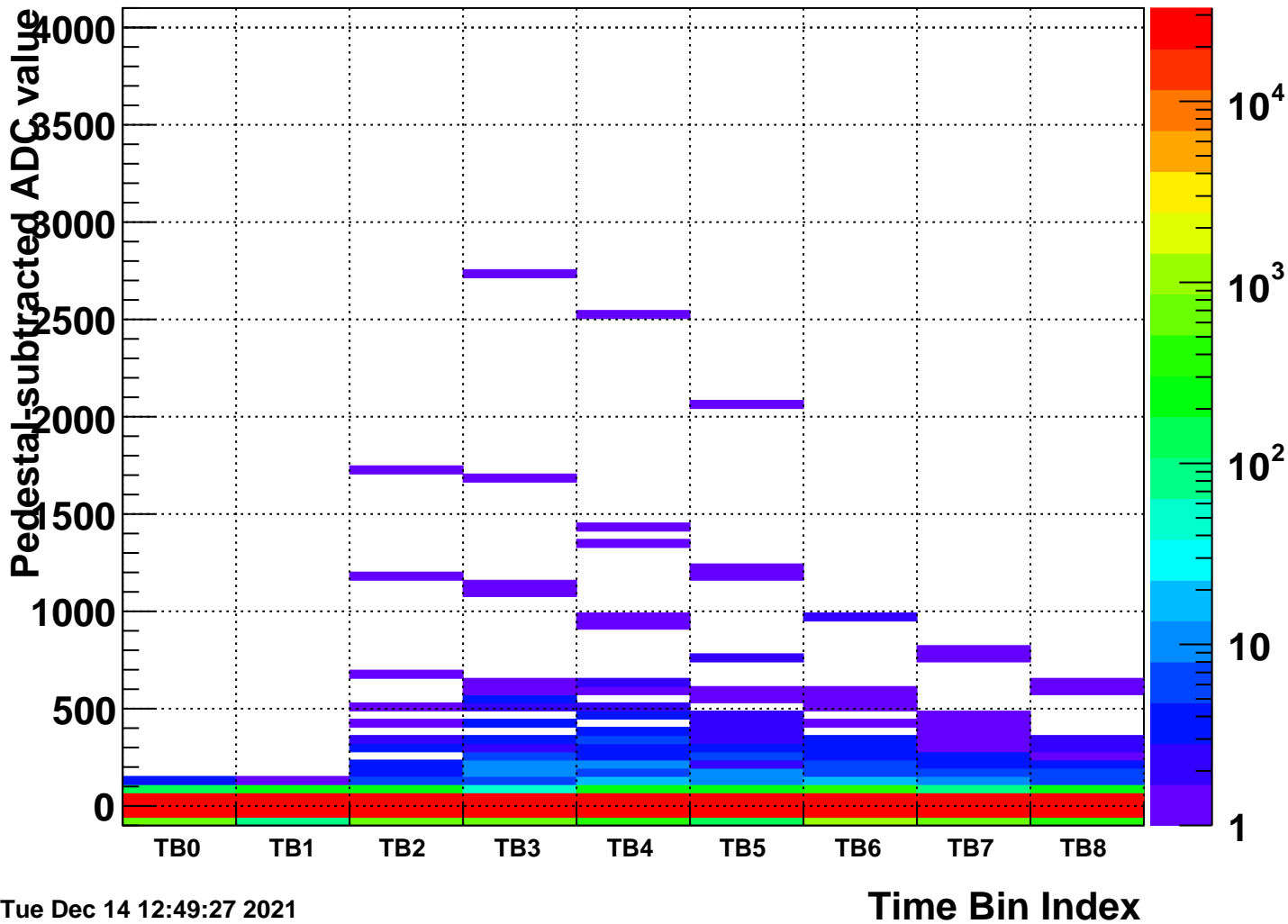
# FST - Hit Map (density): Disk3 Module12

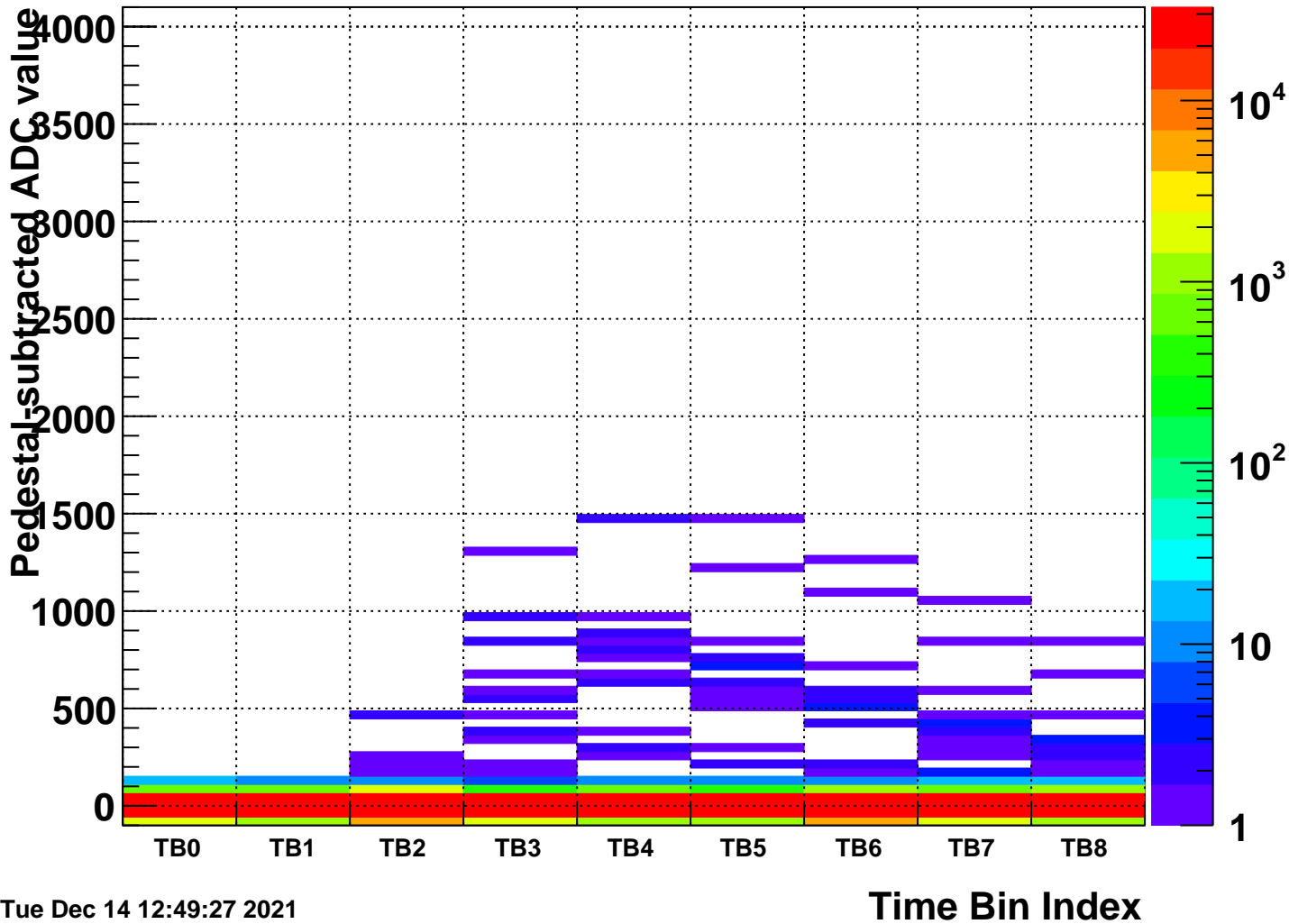


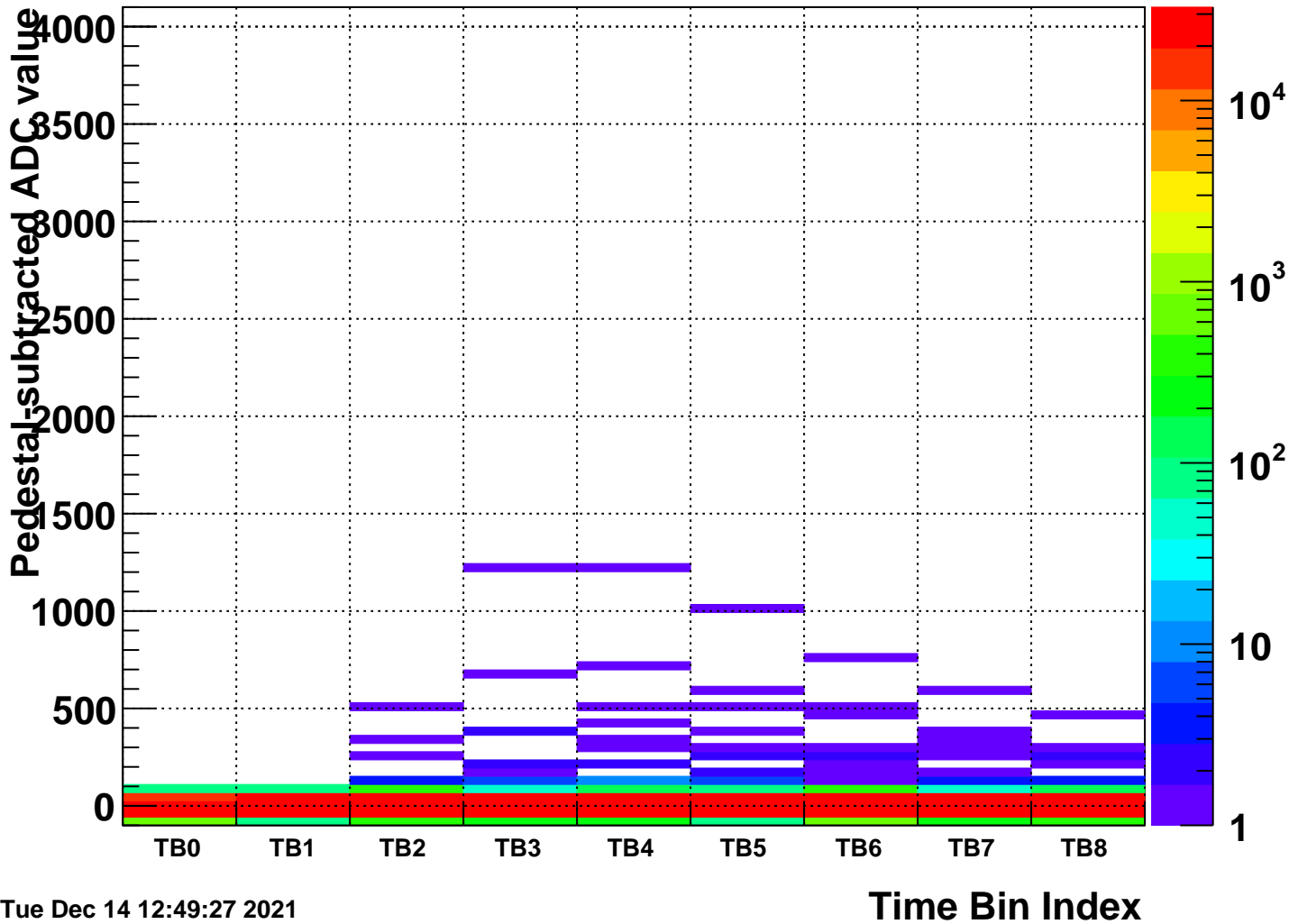


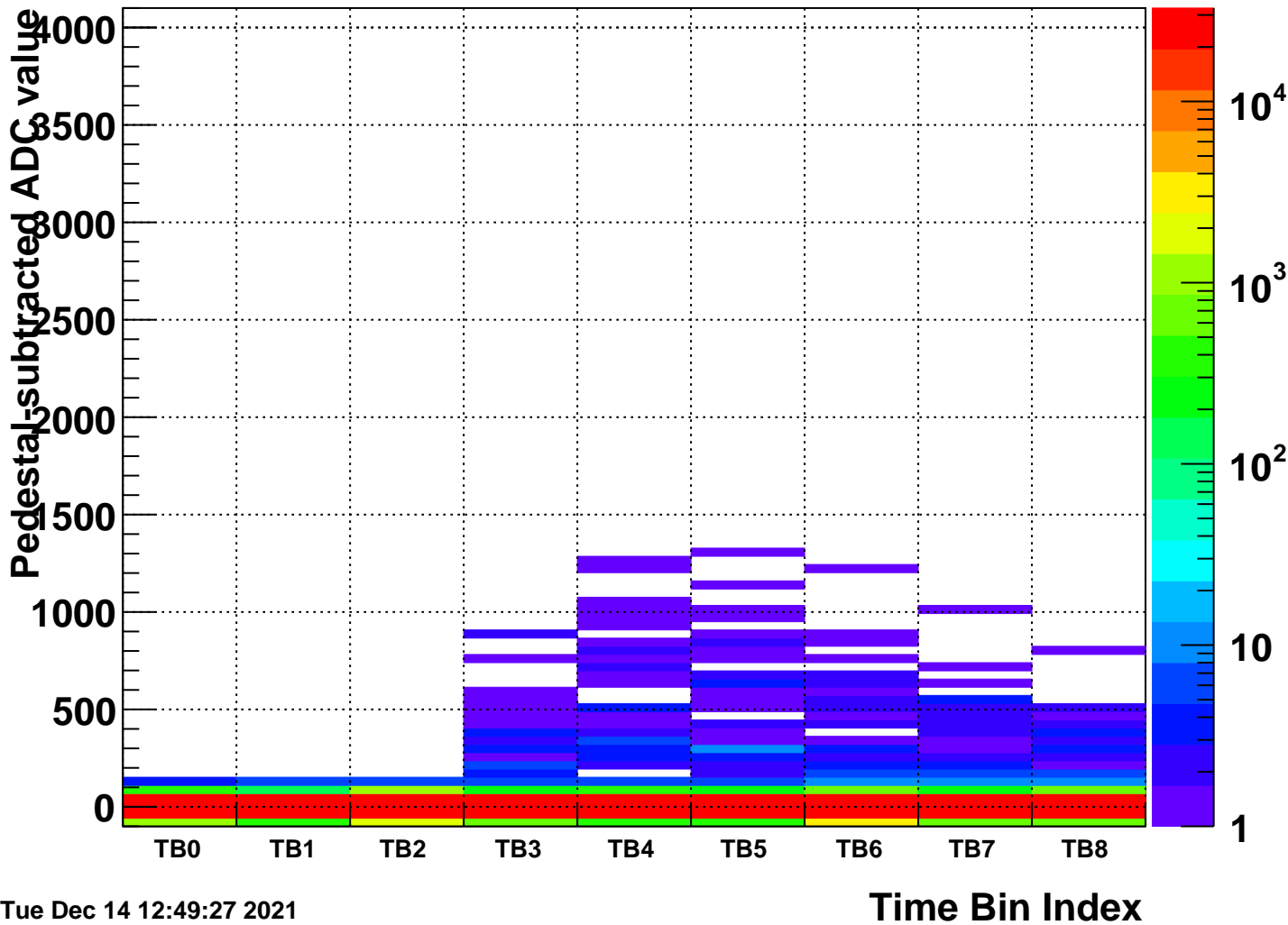


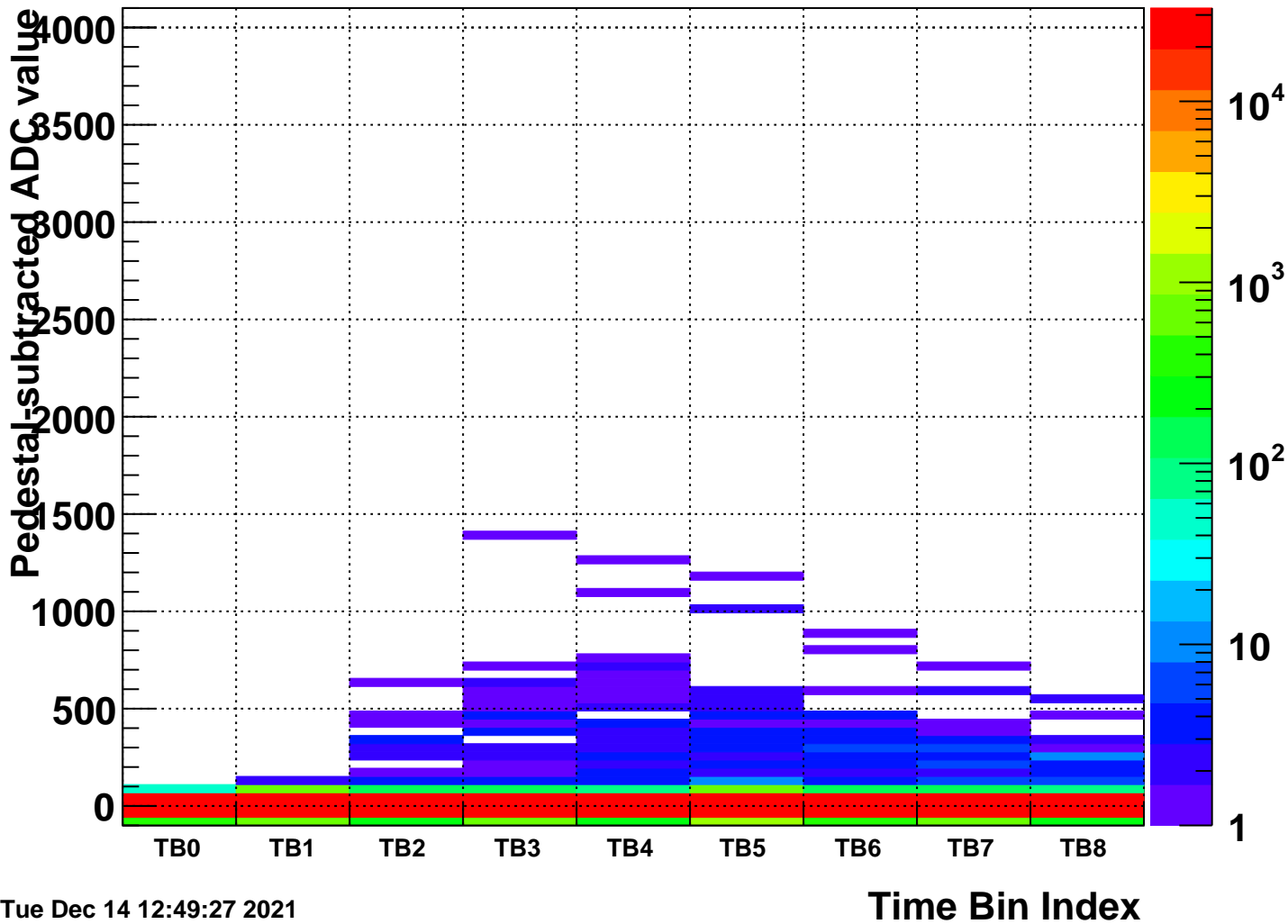


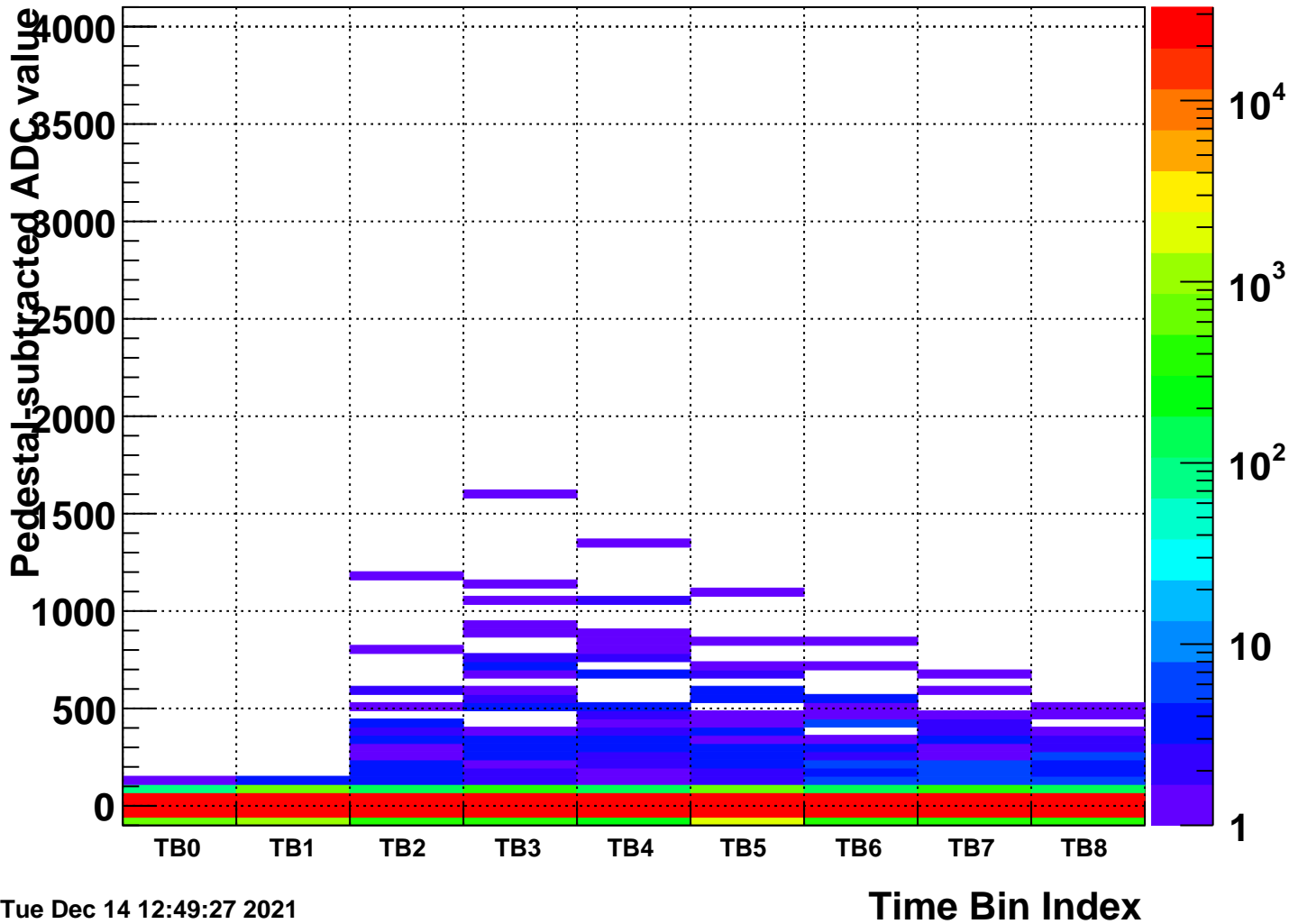


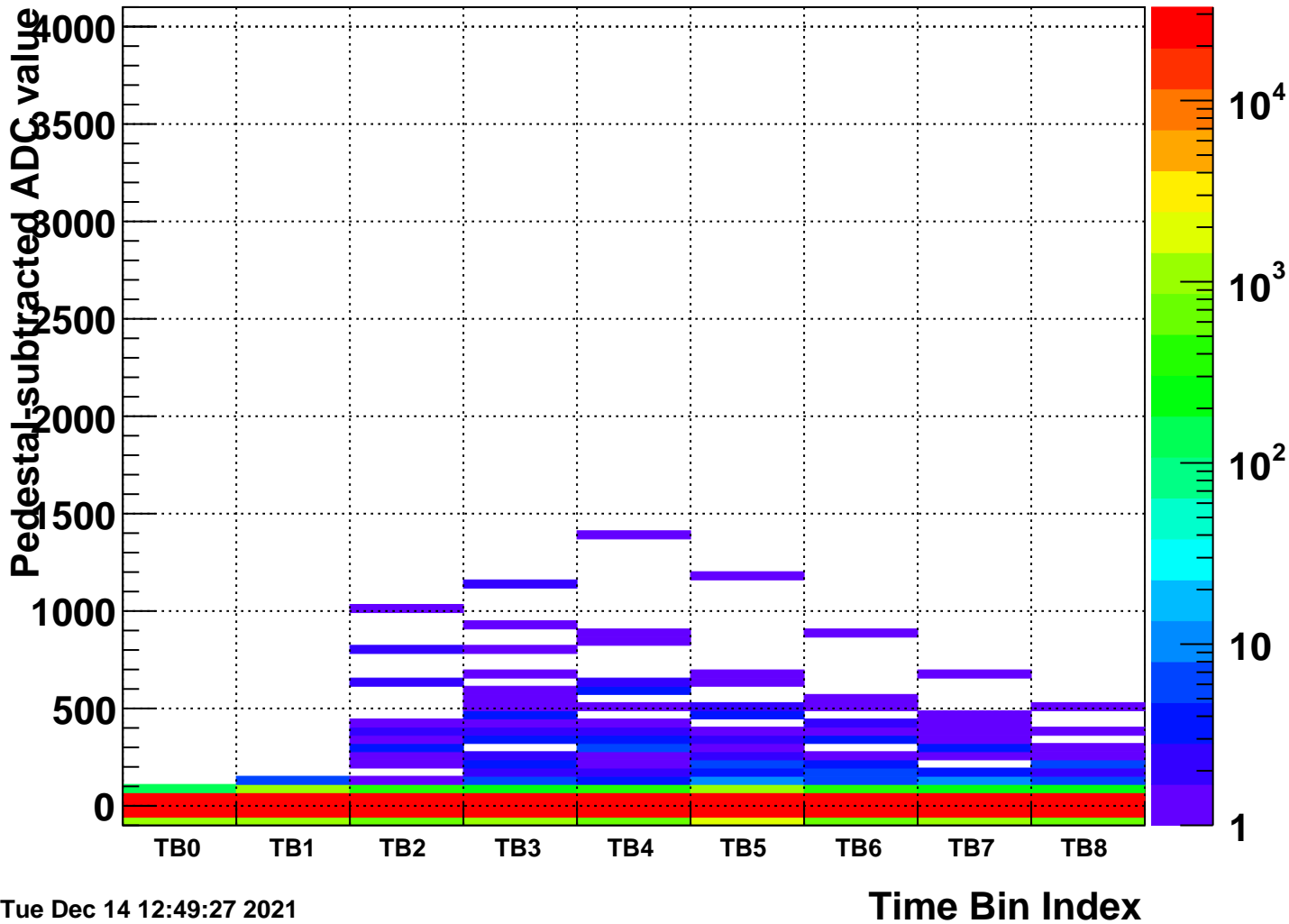




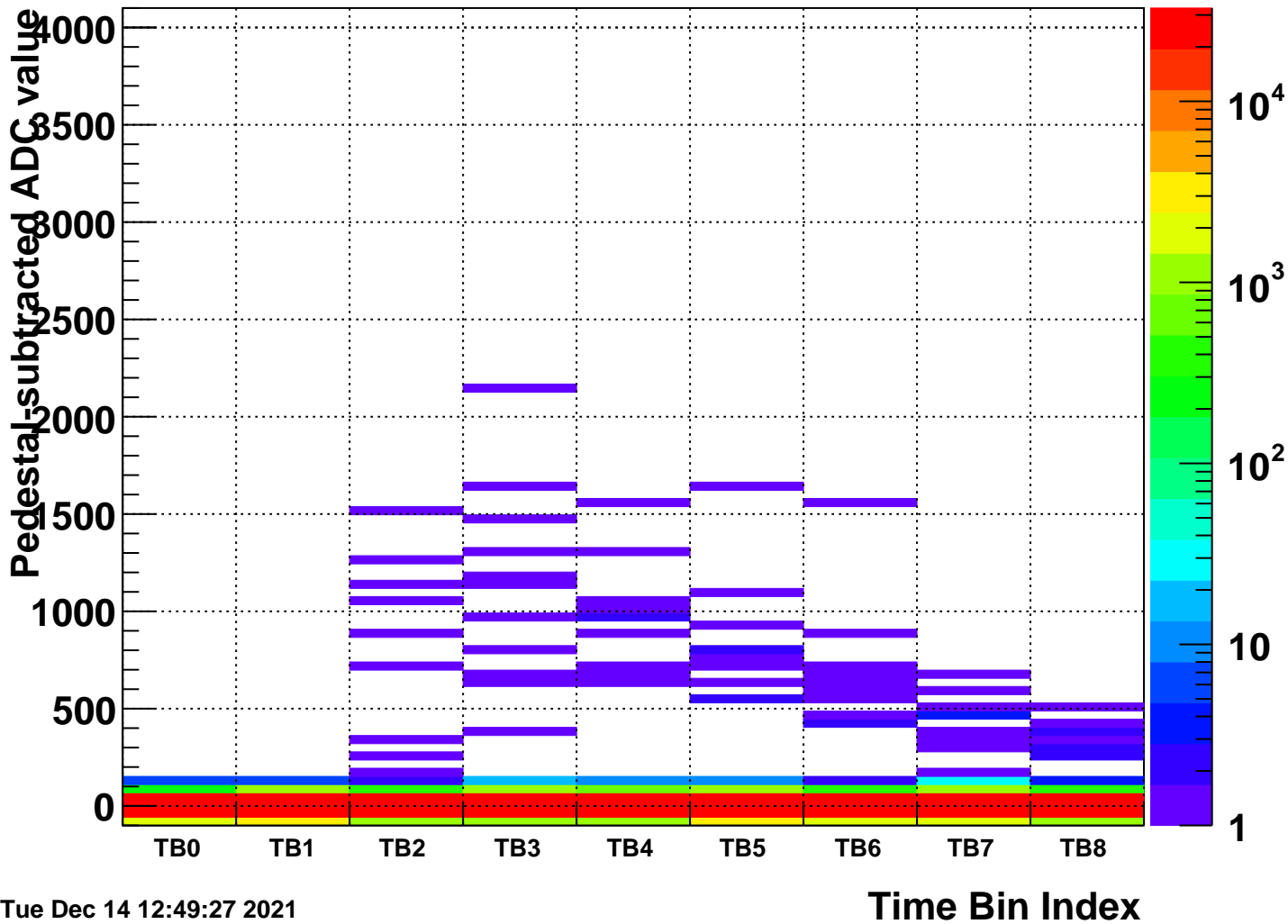


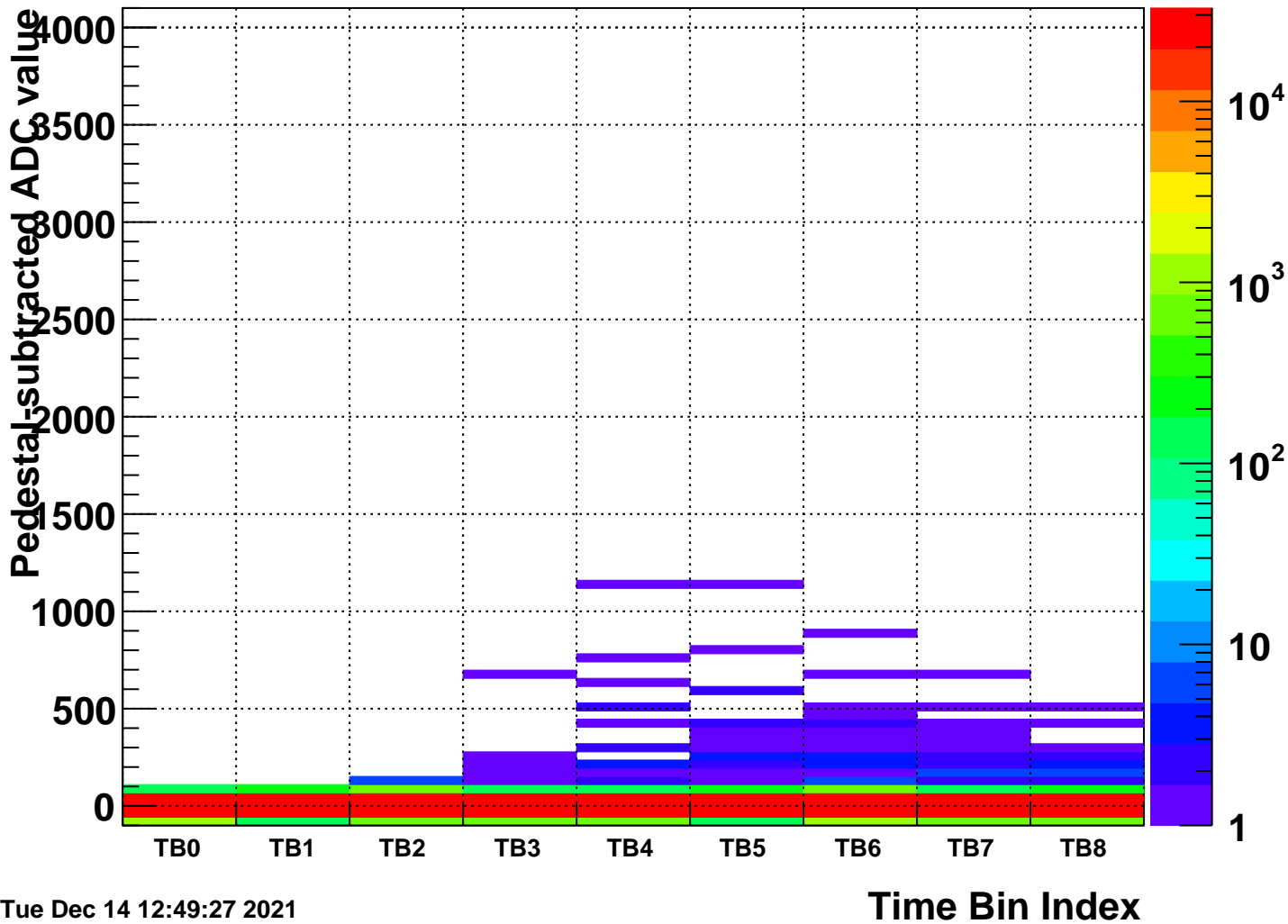


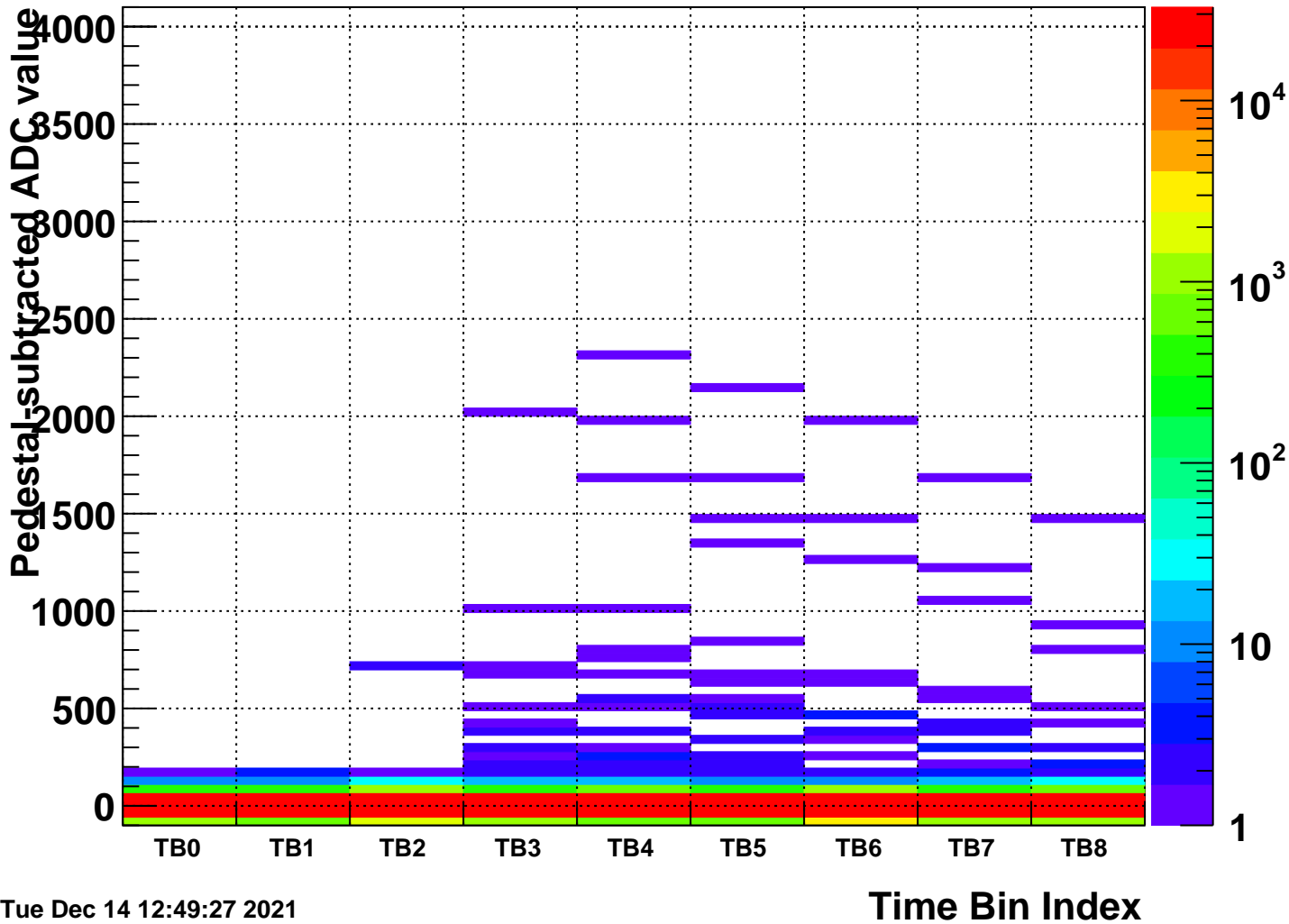


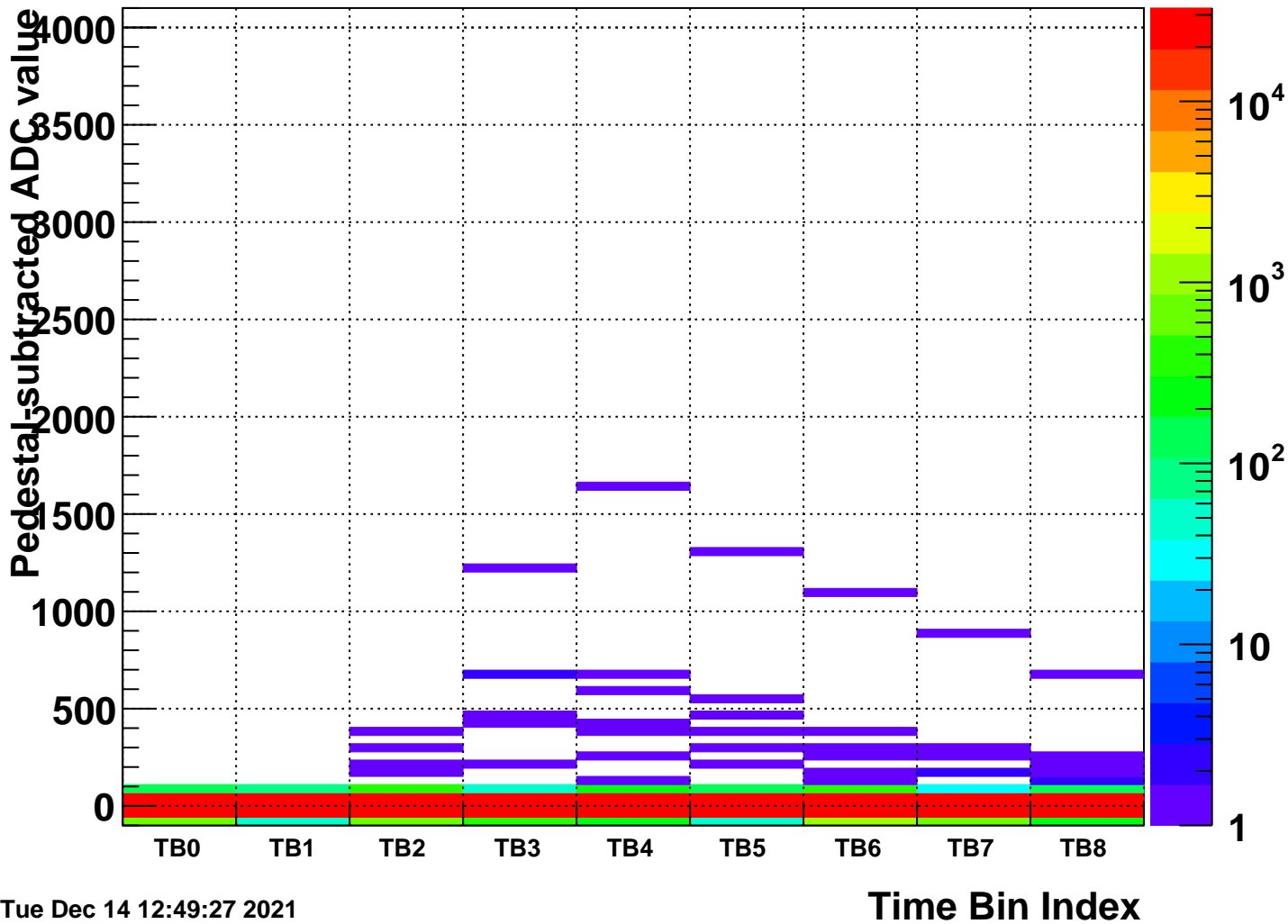


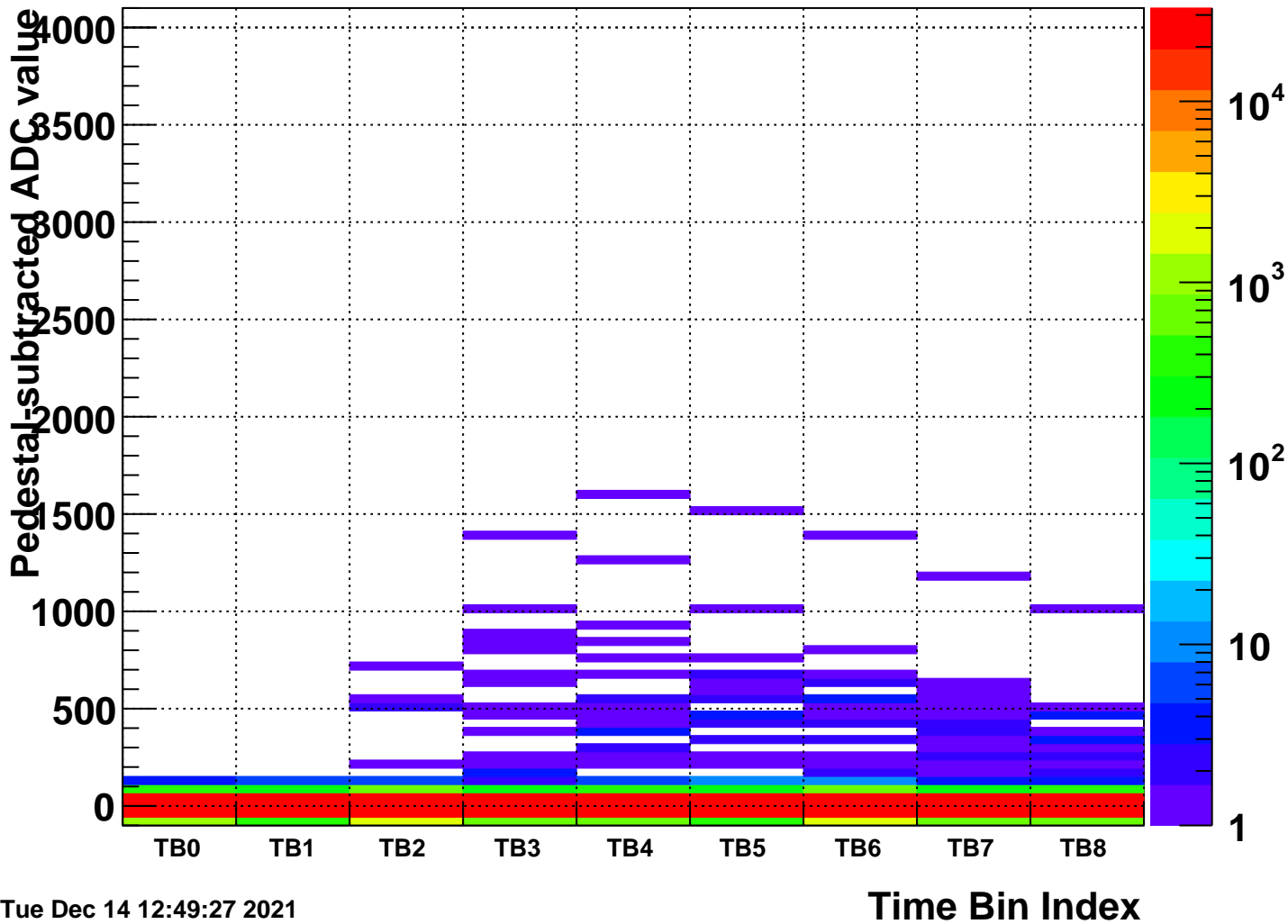


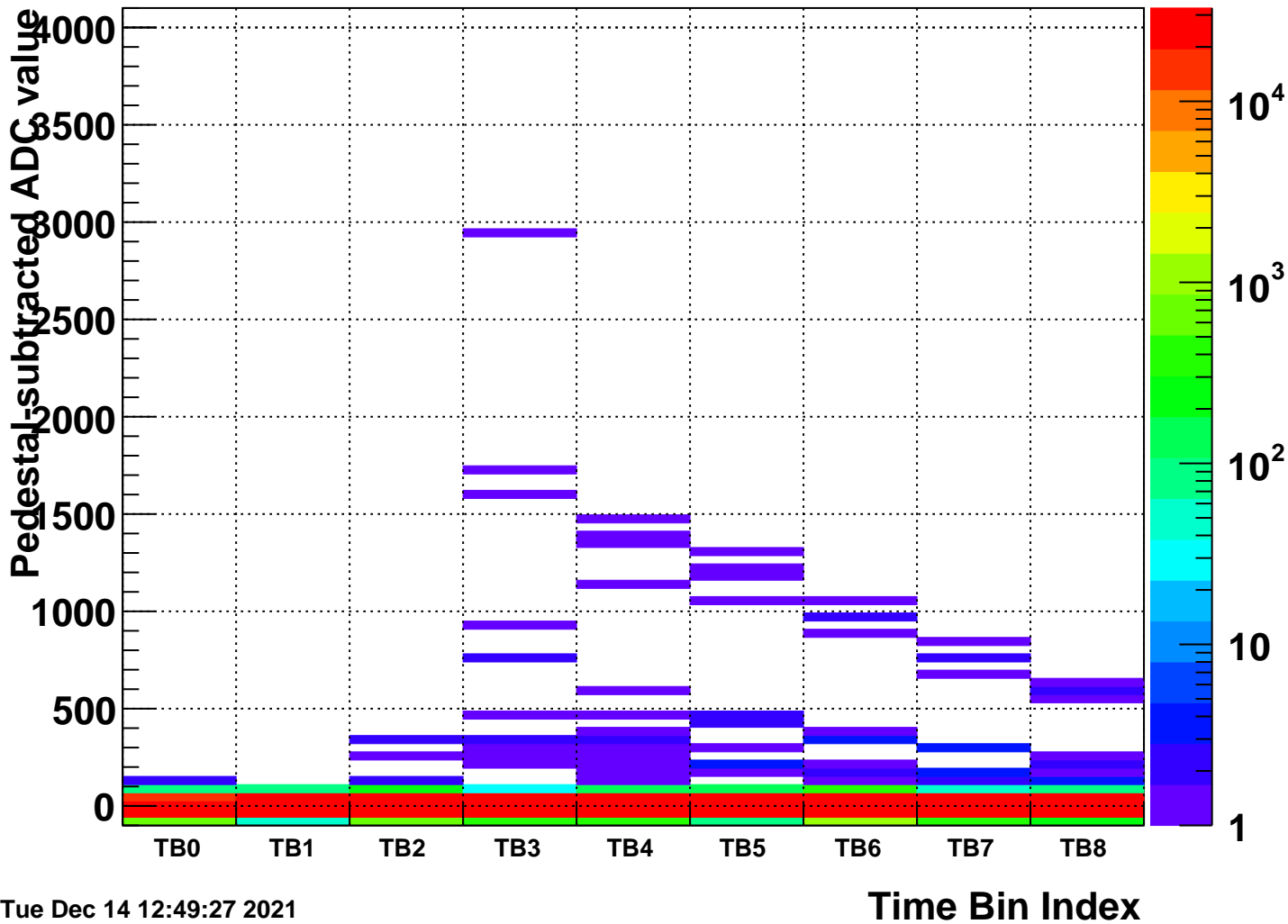


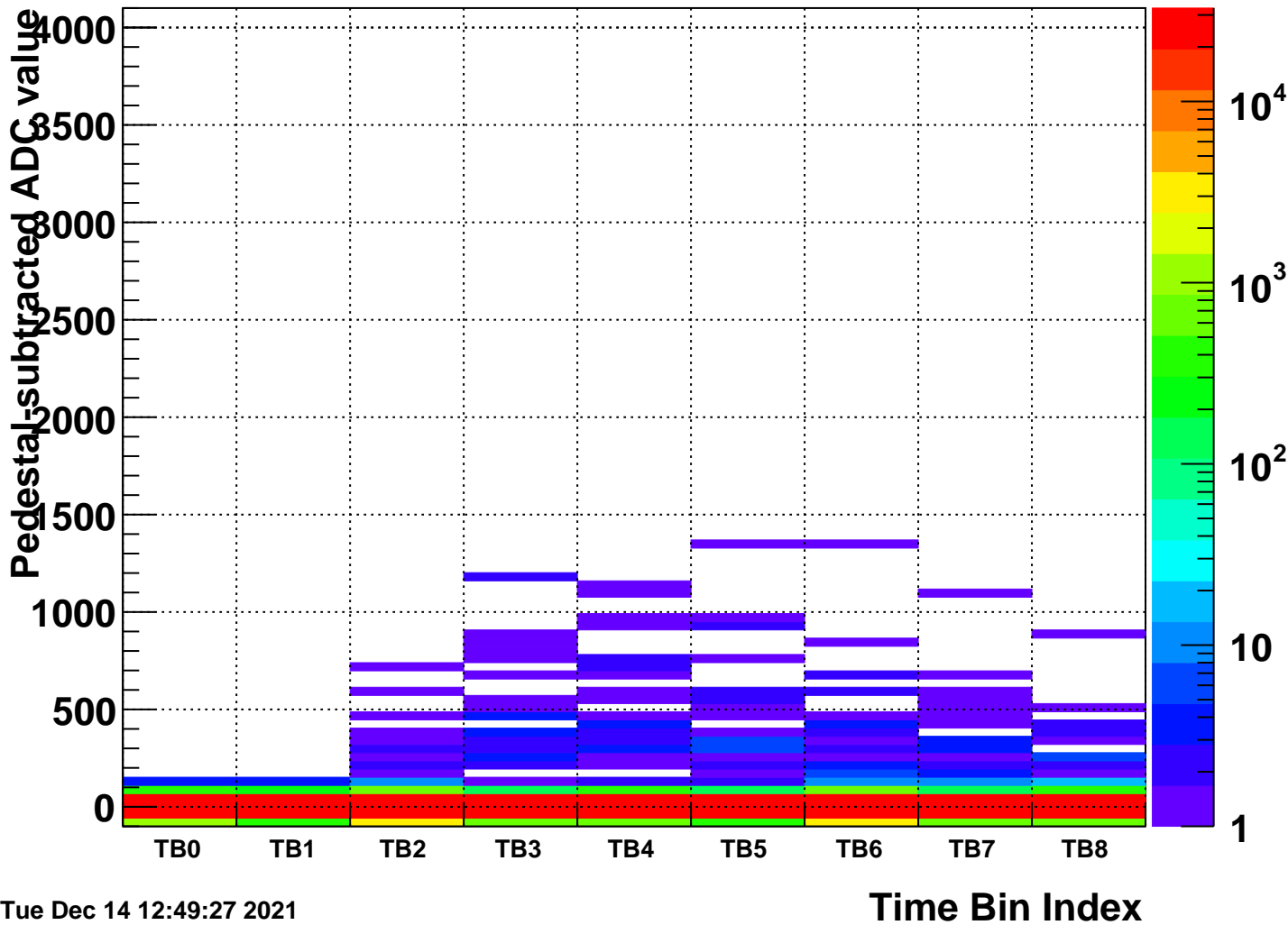


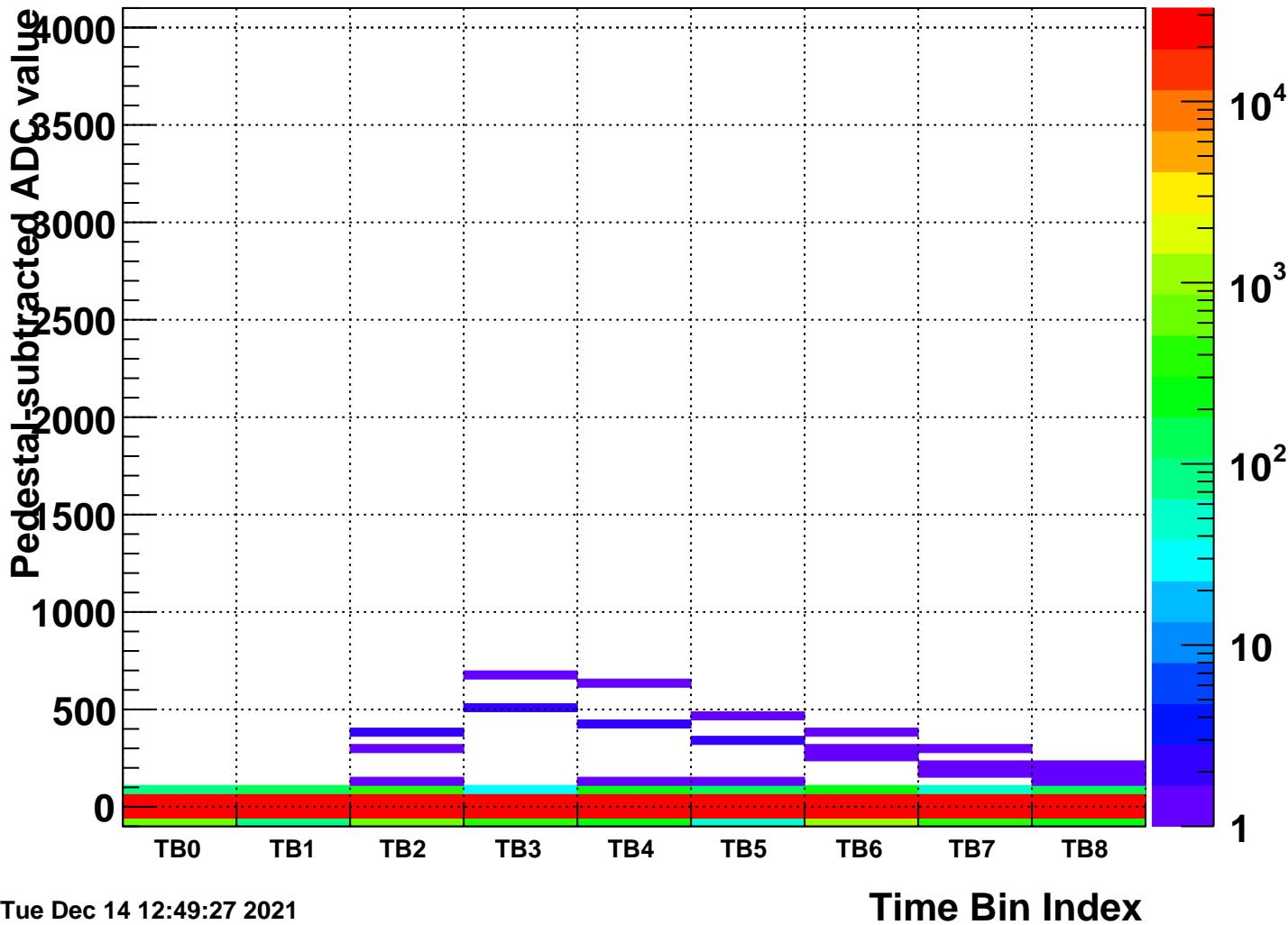




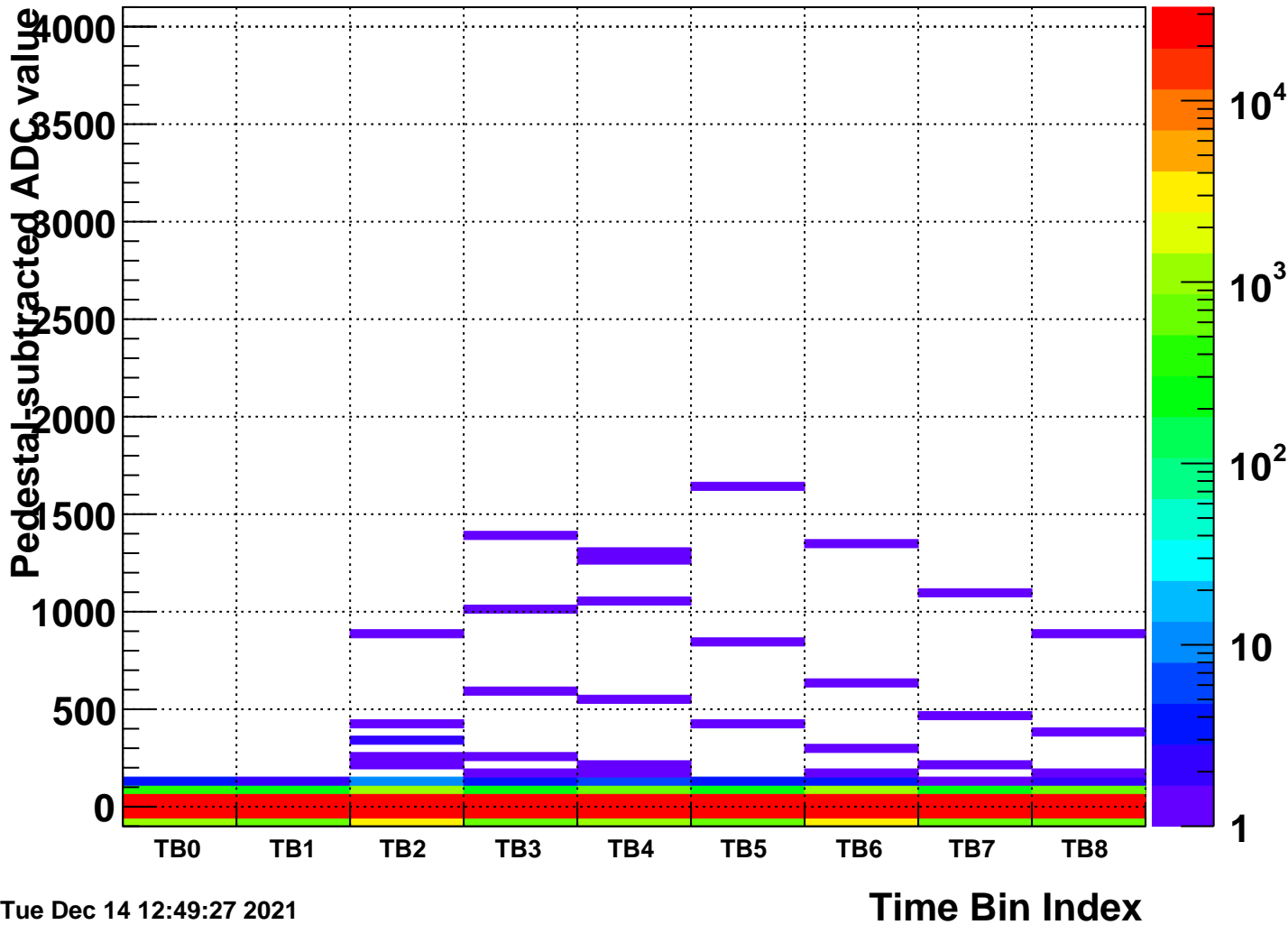


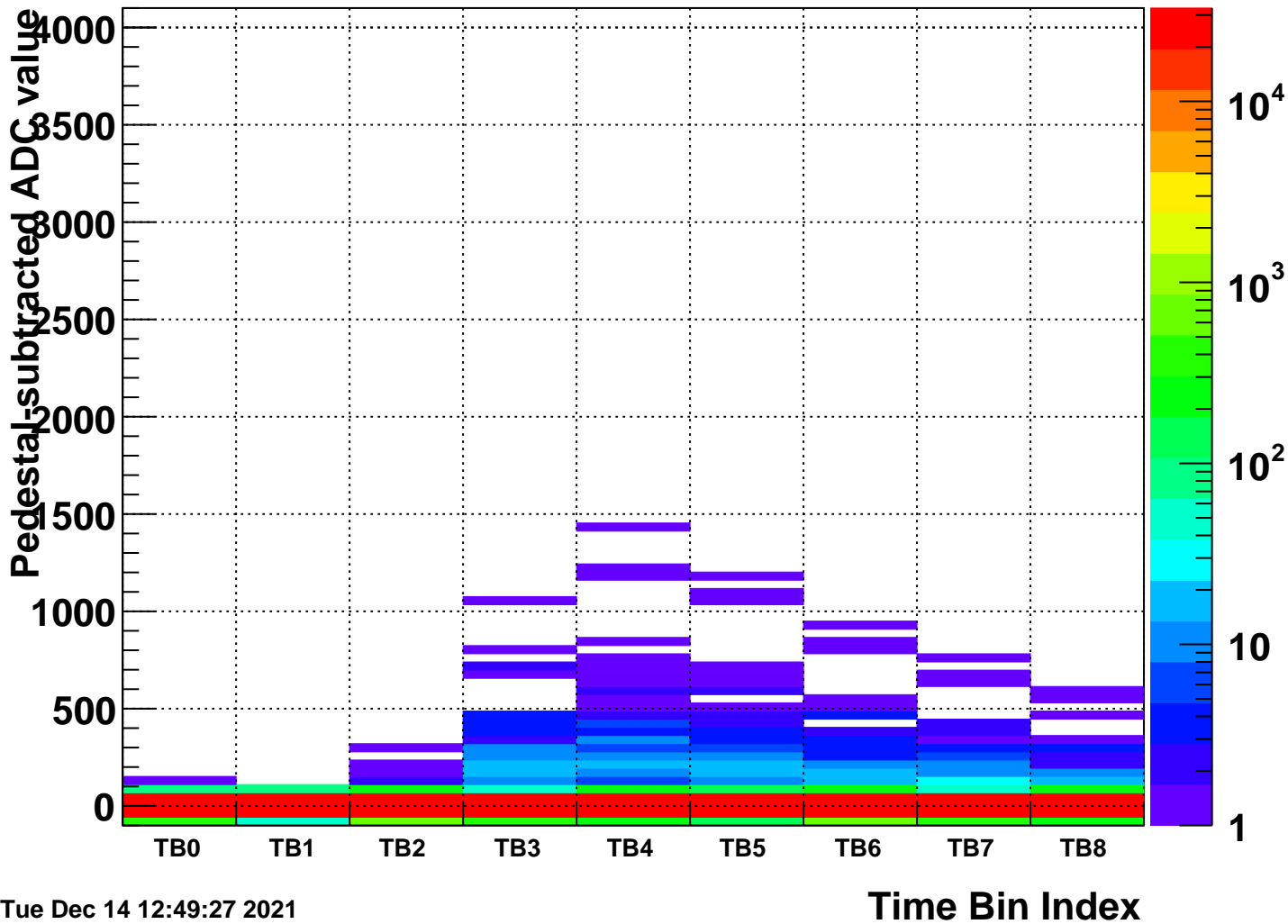


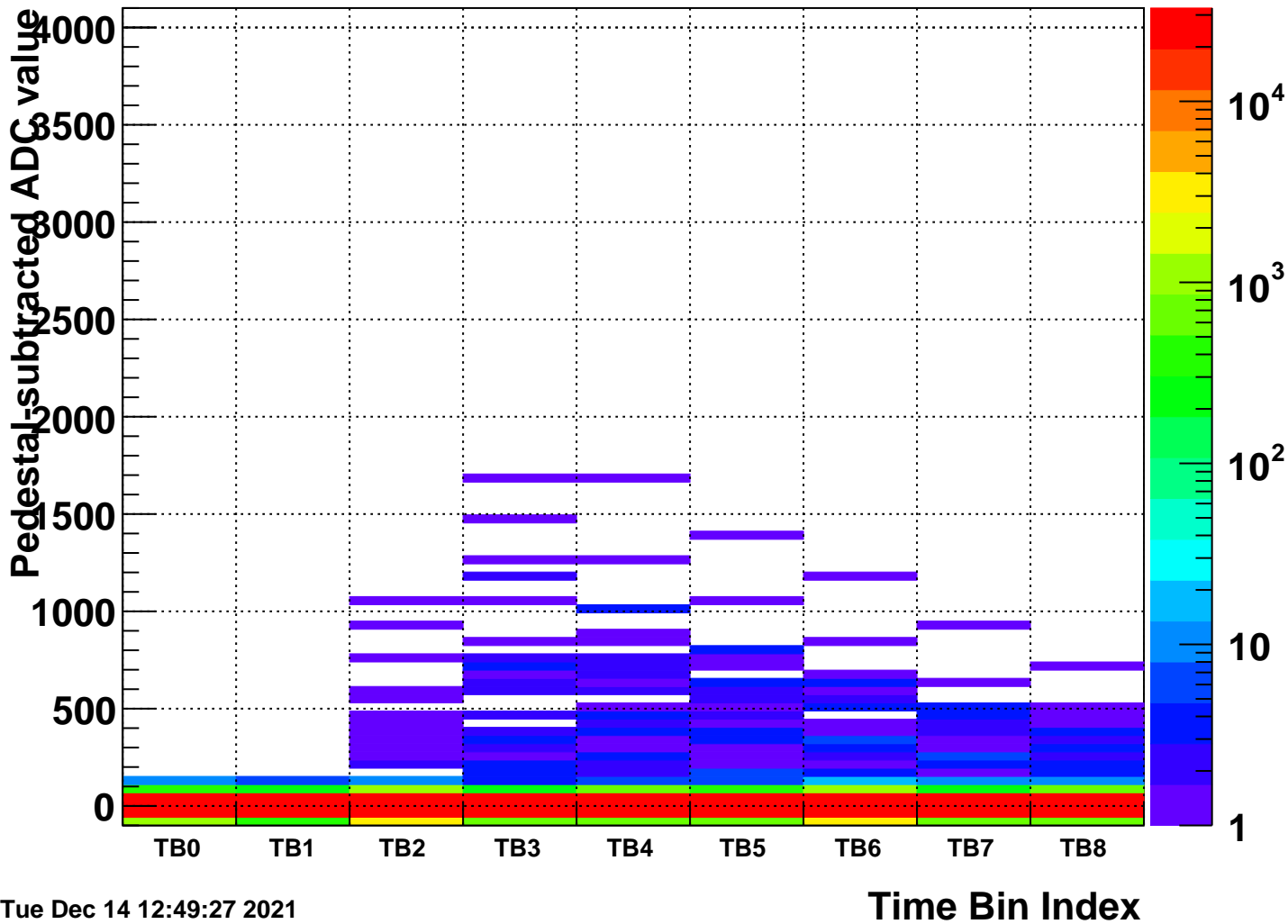


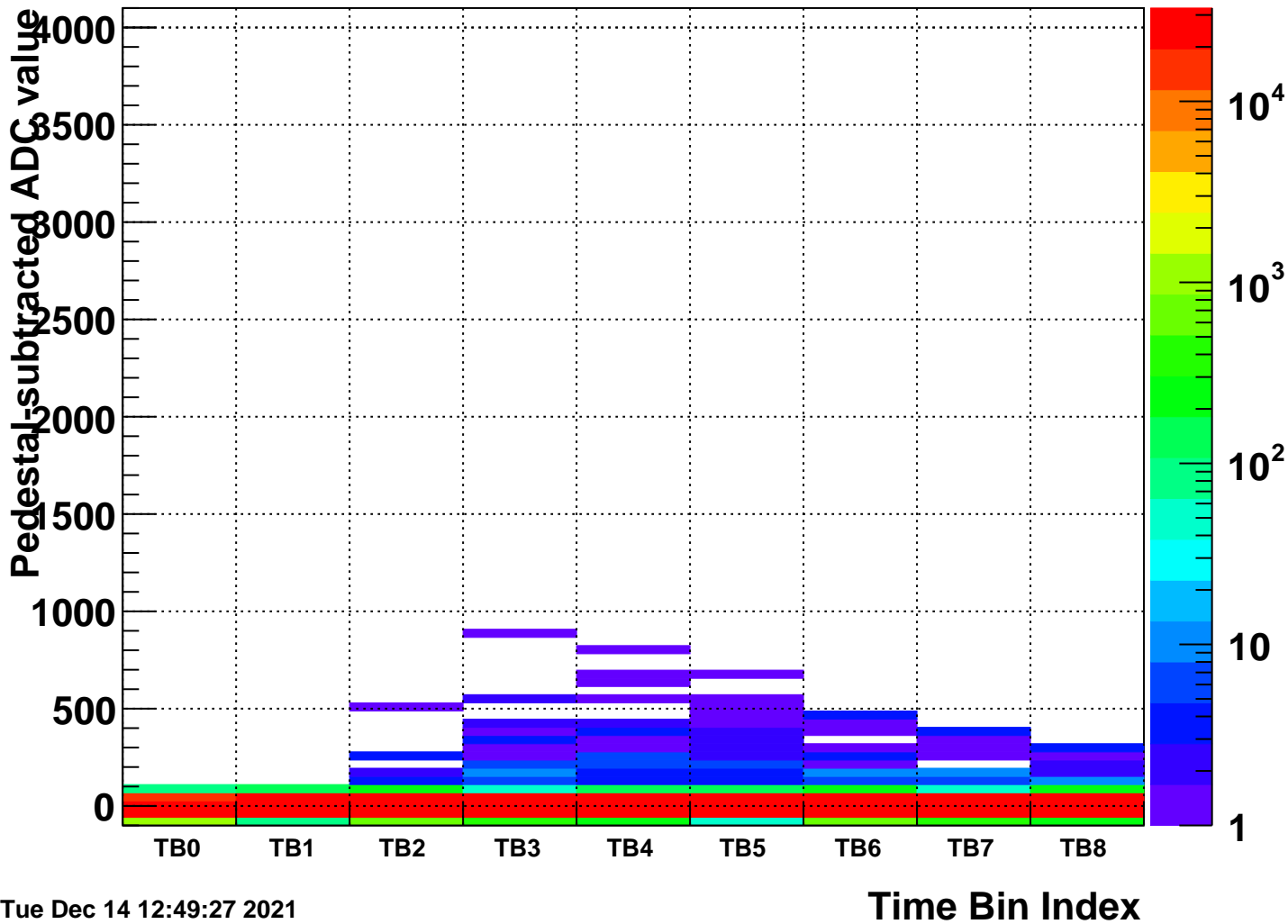


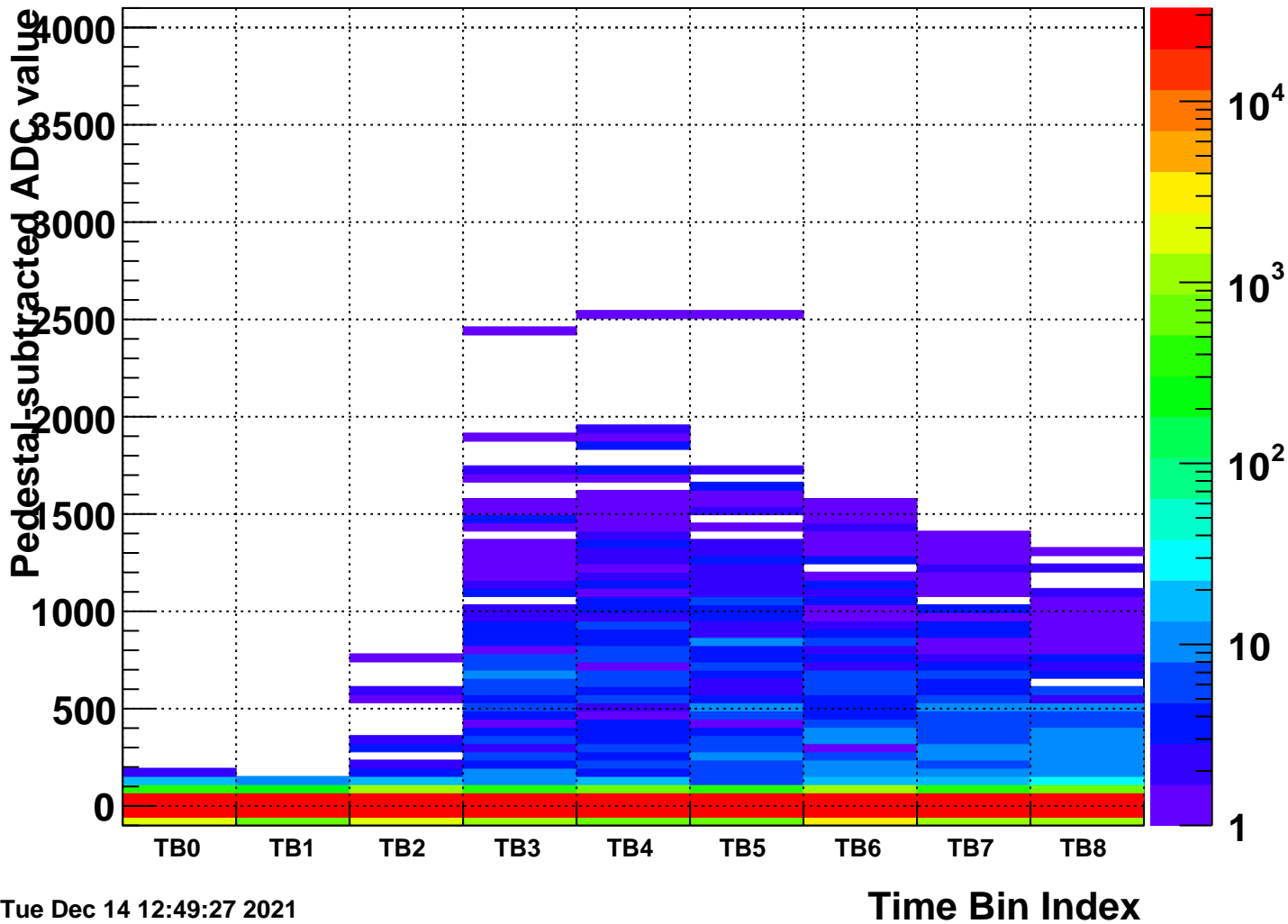


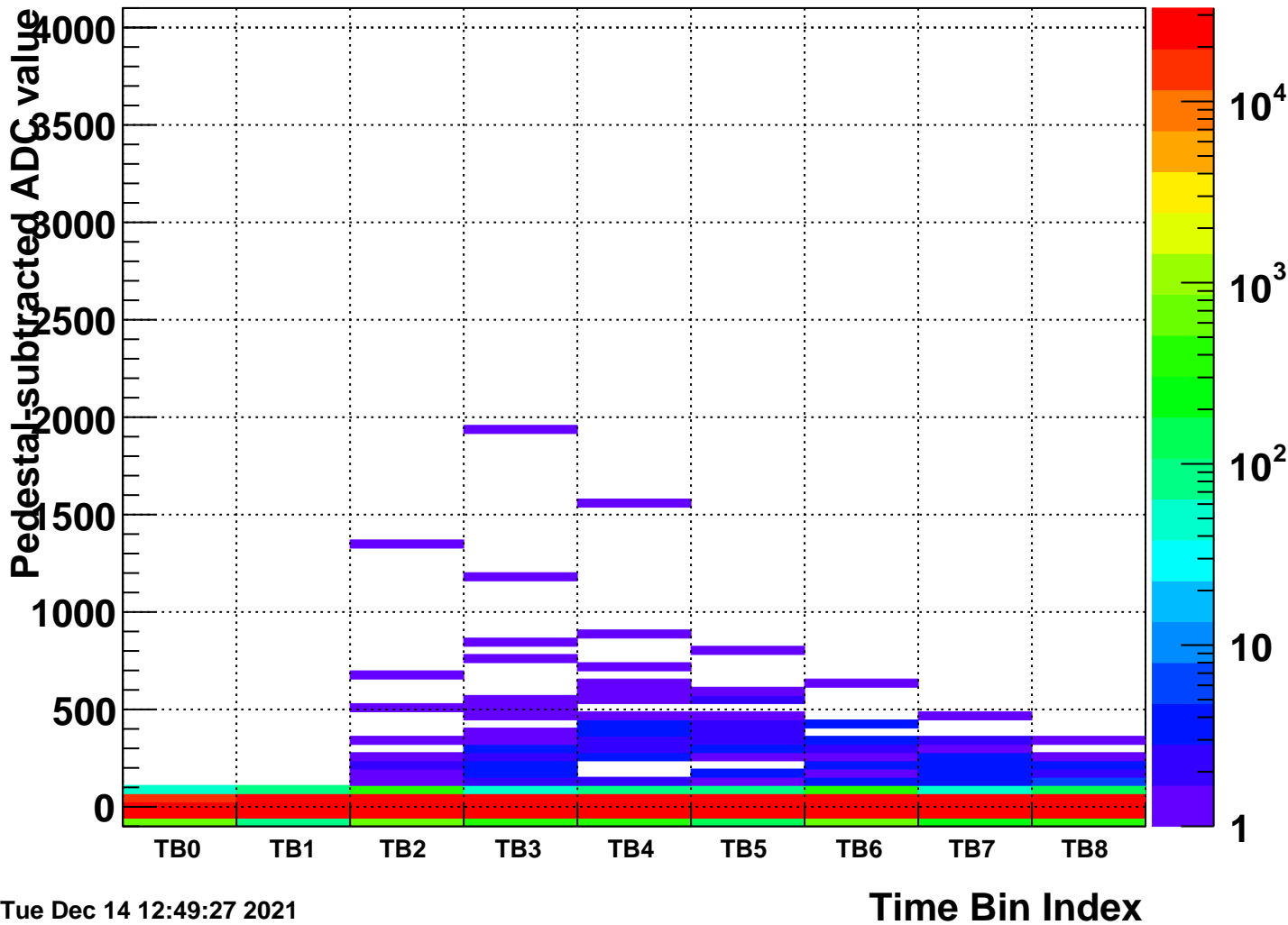


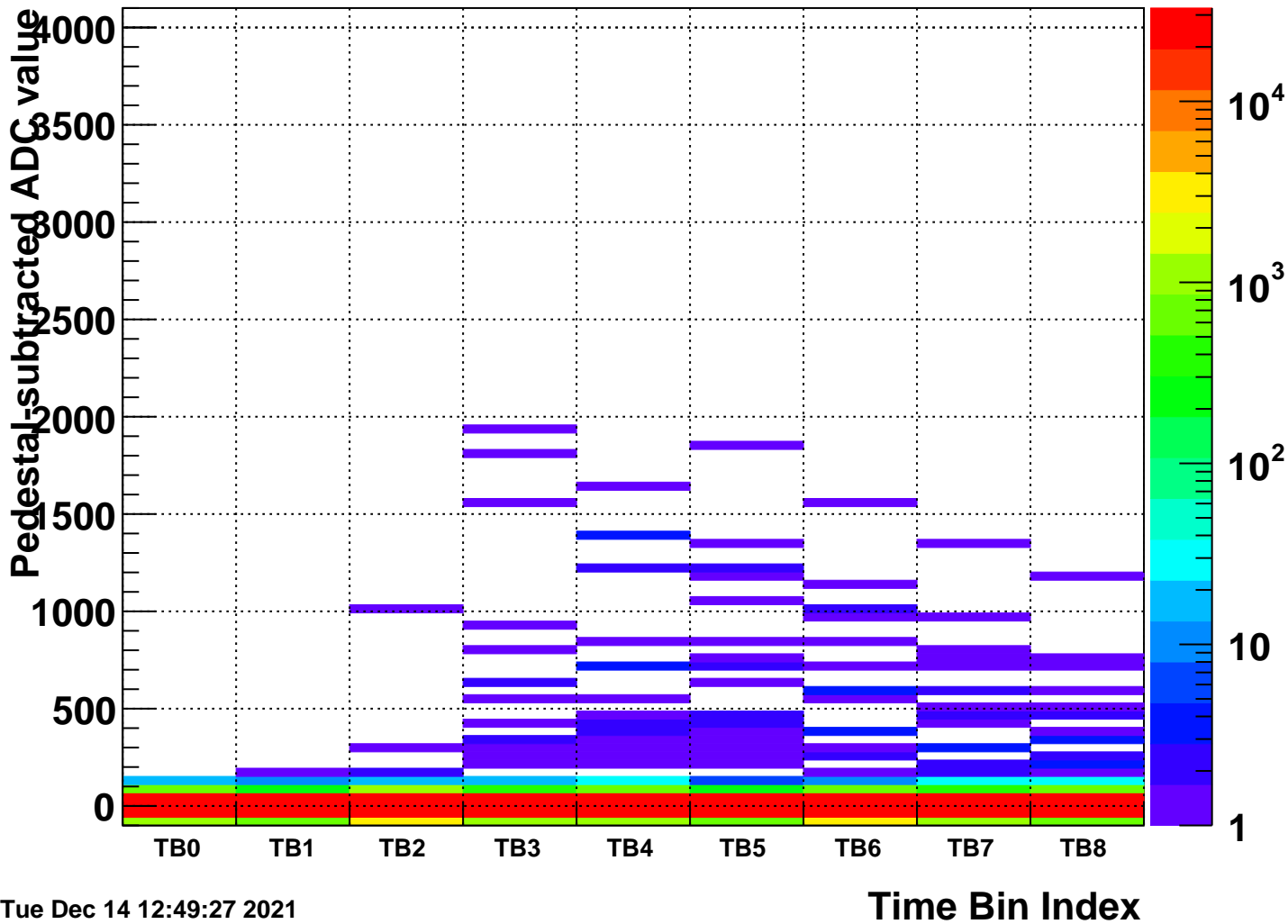


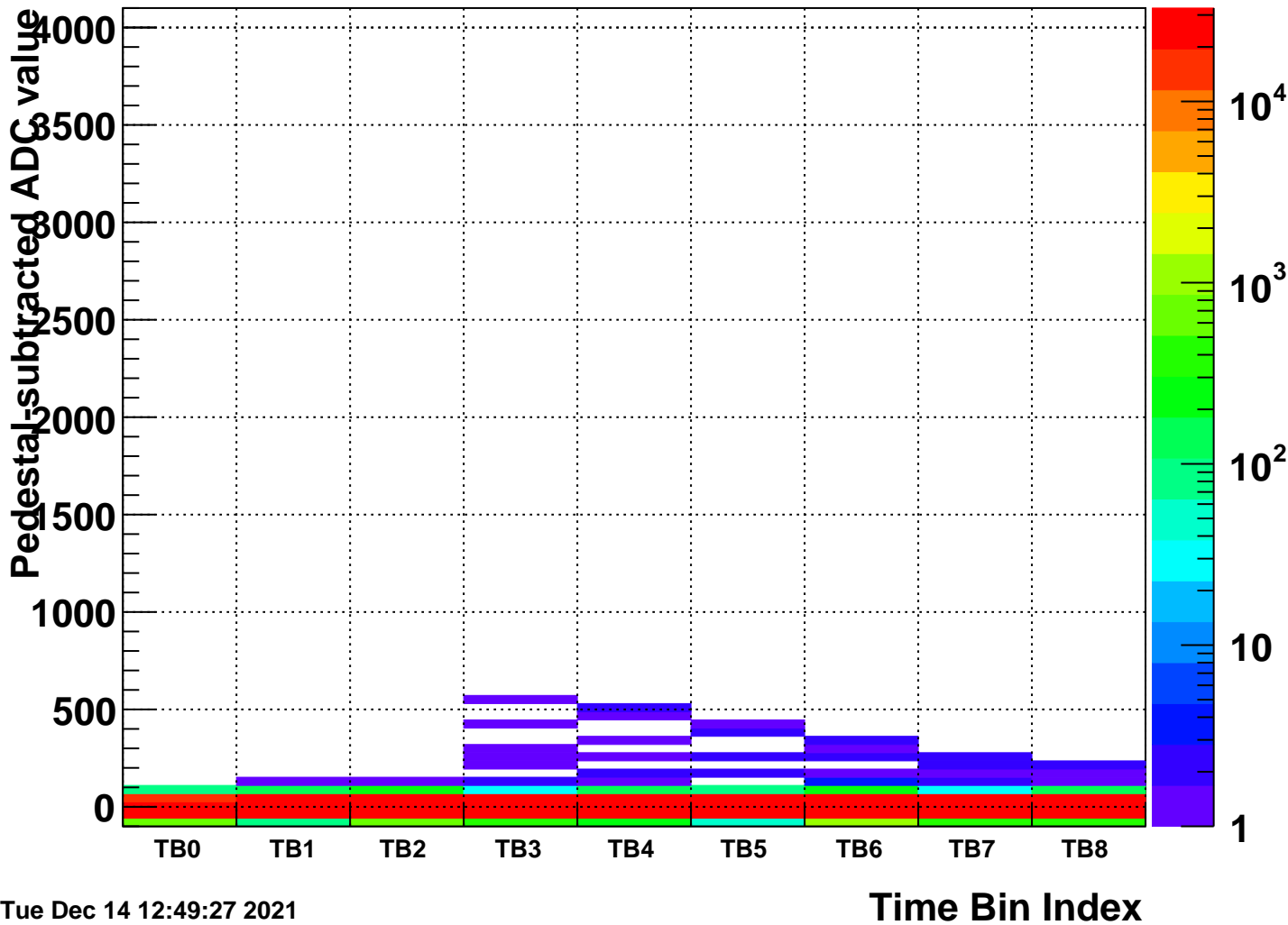




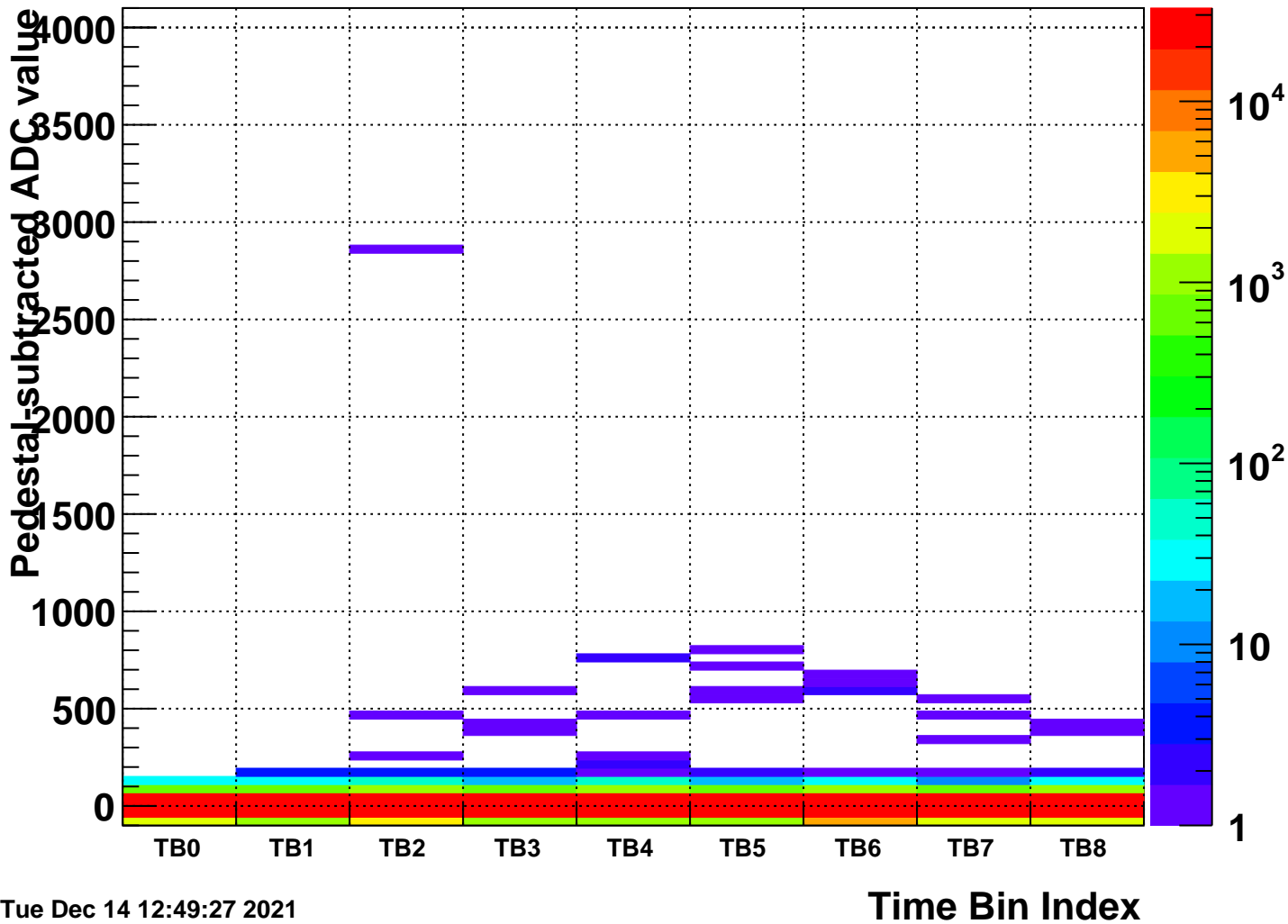


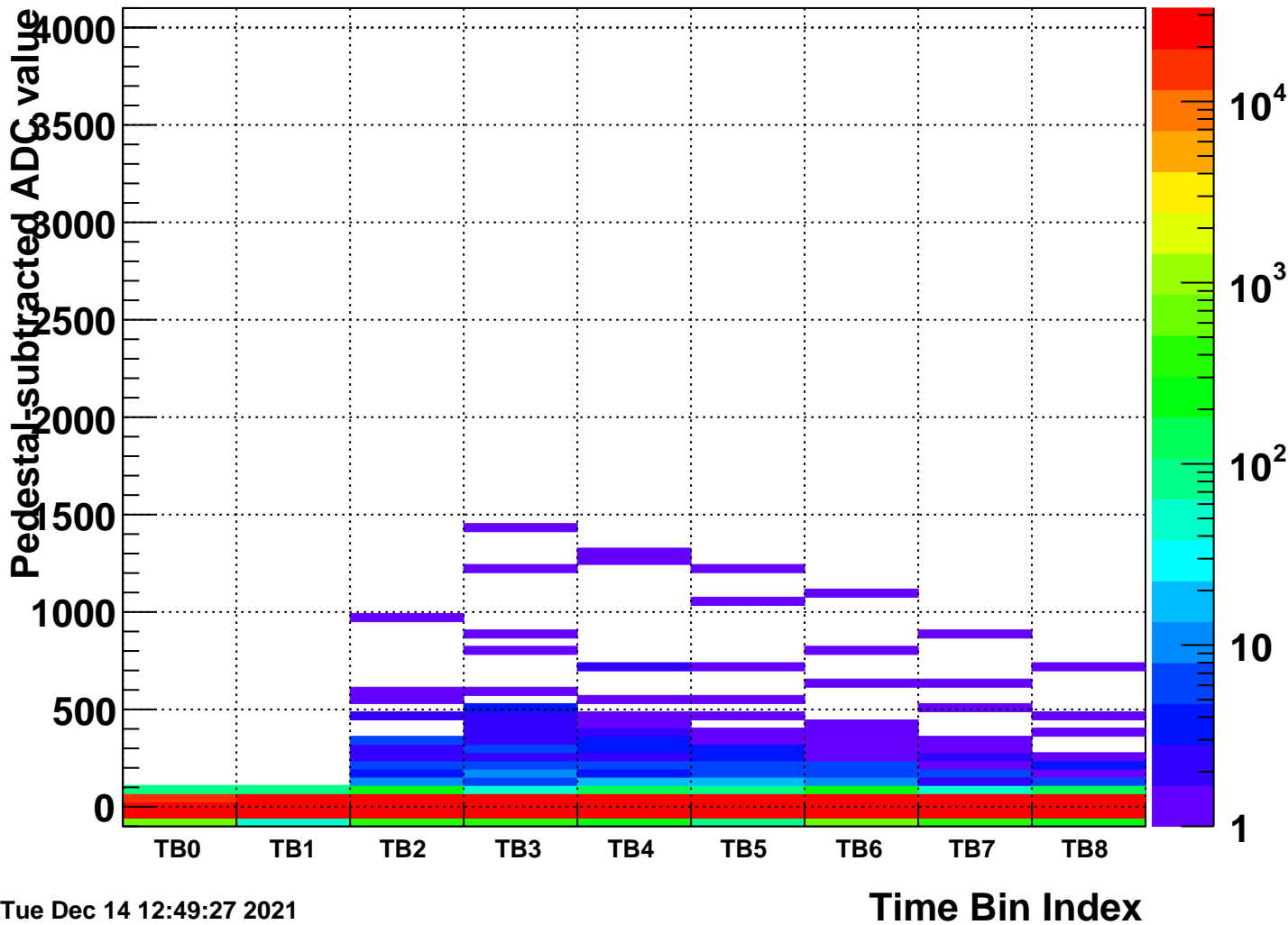


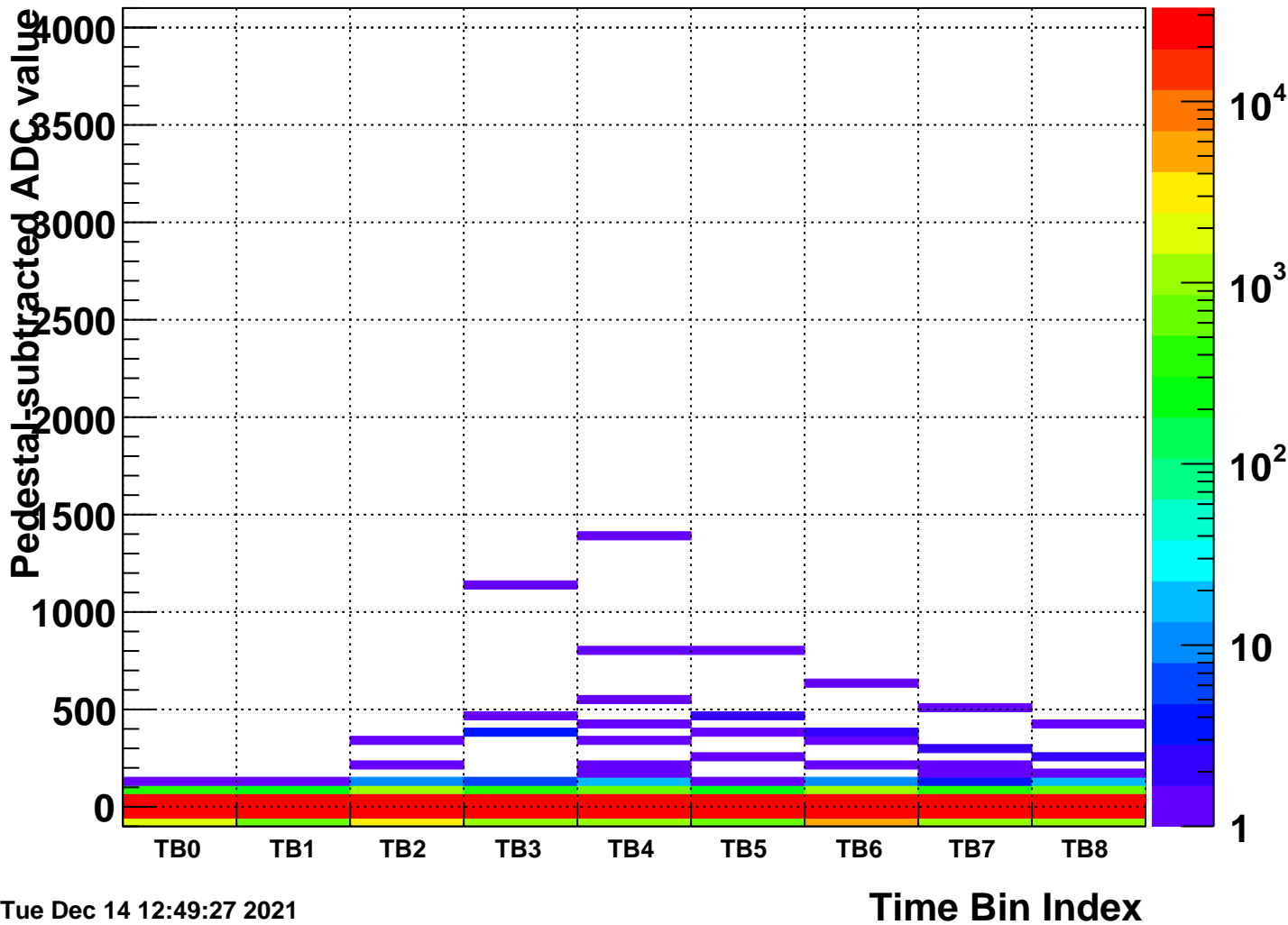


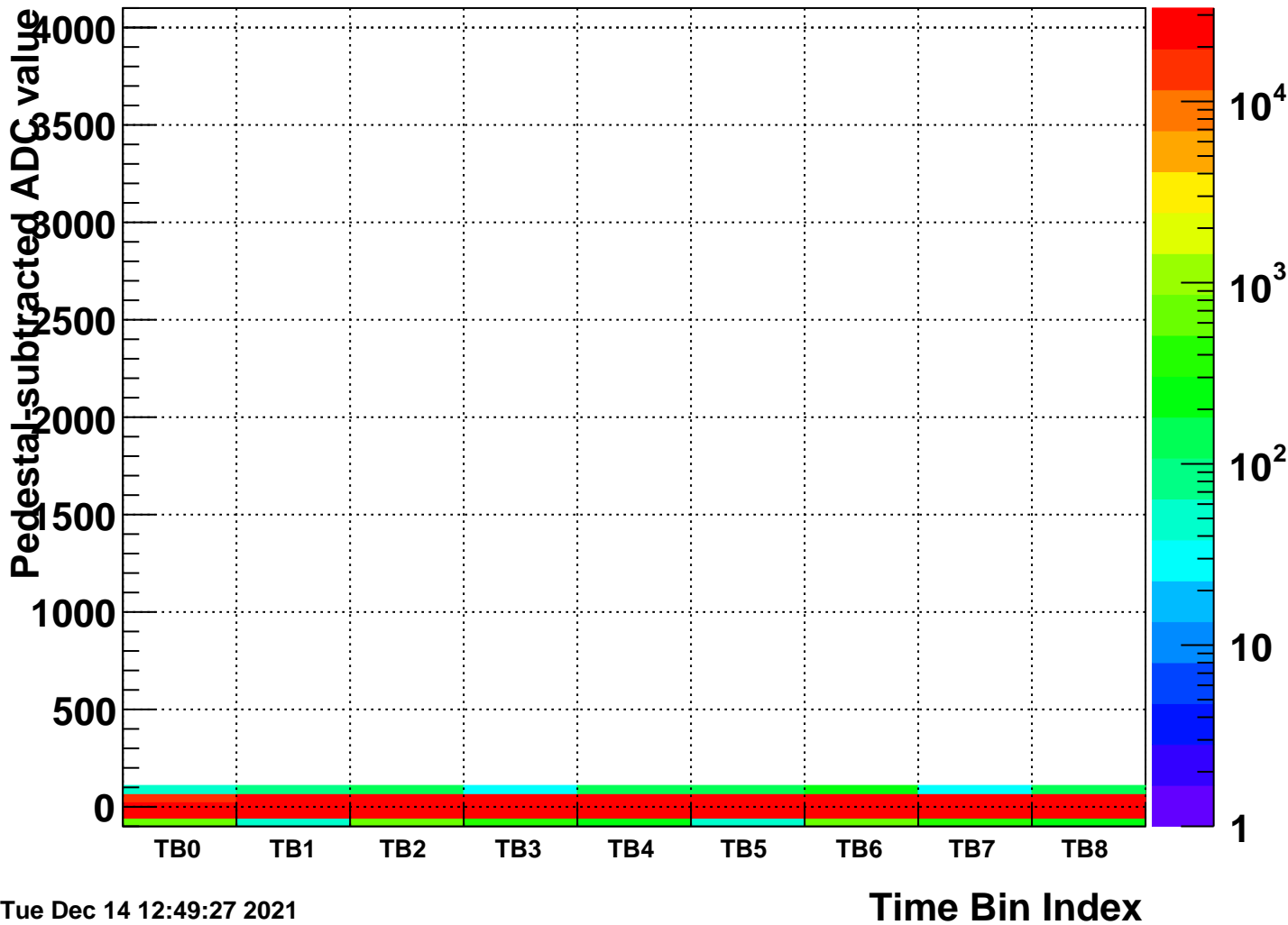


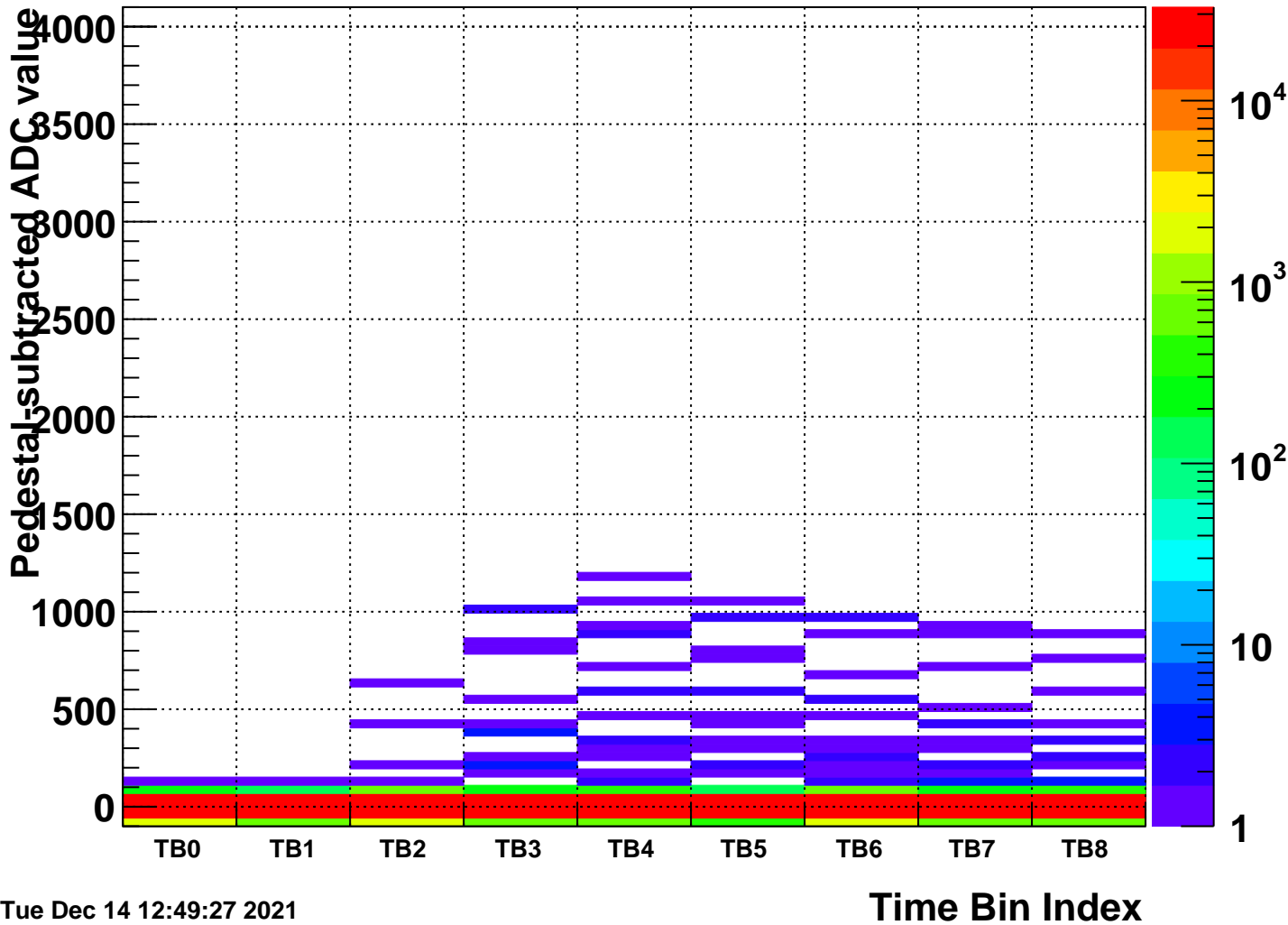


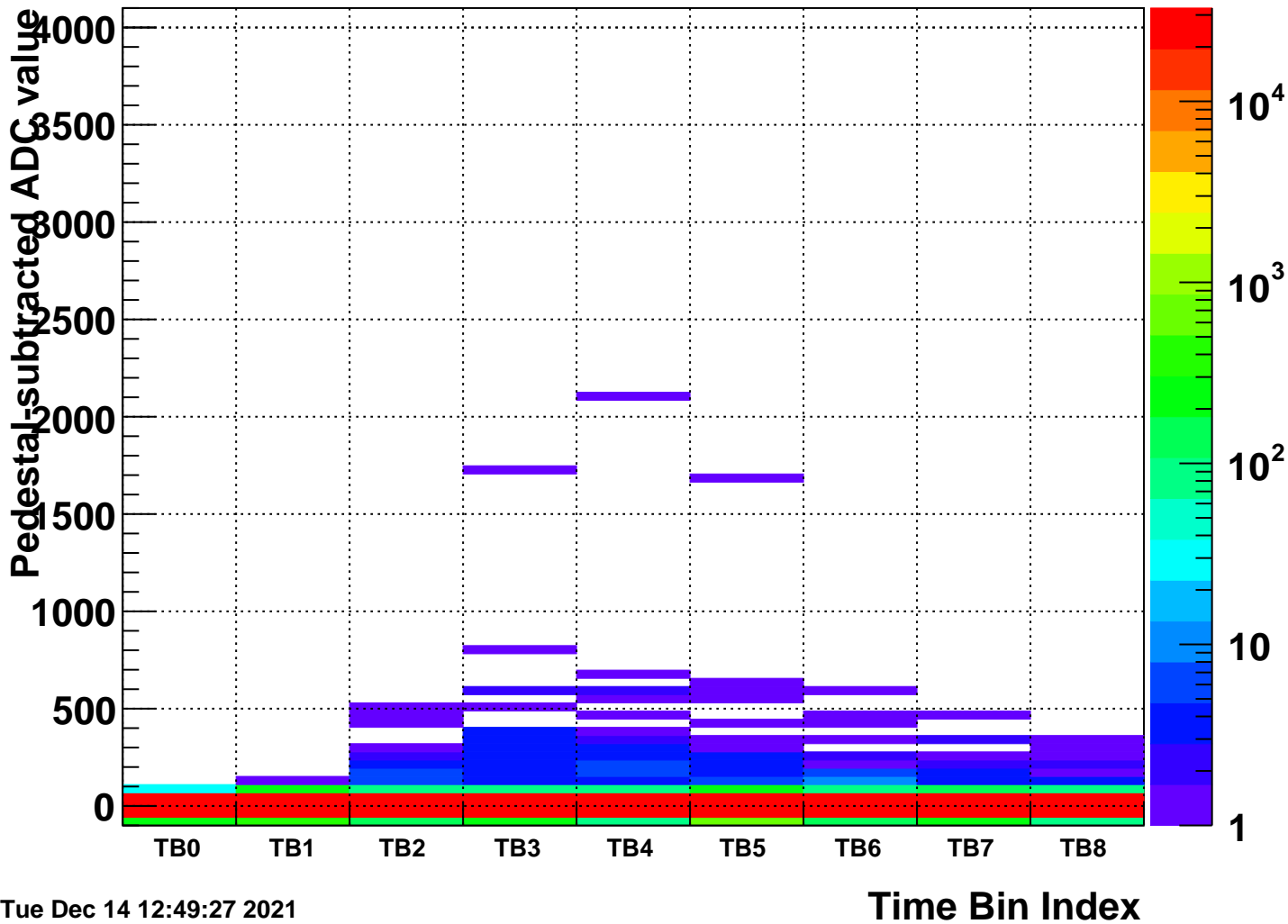


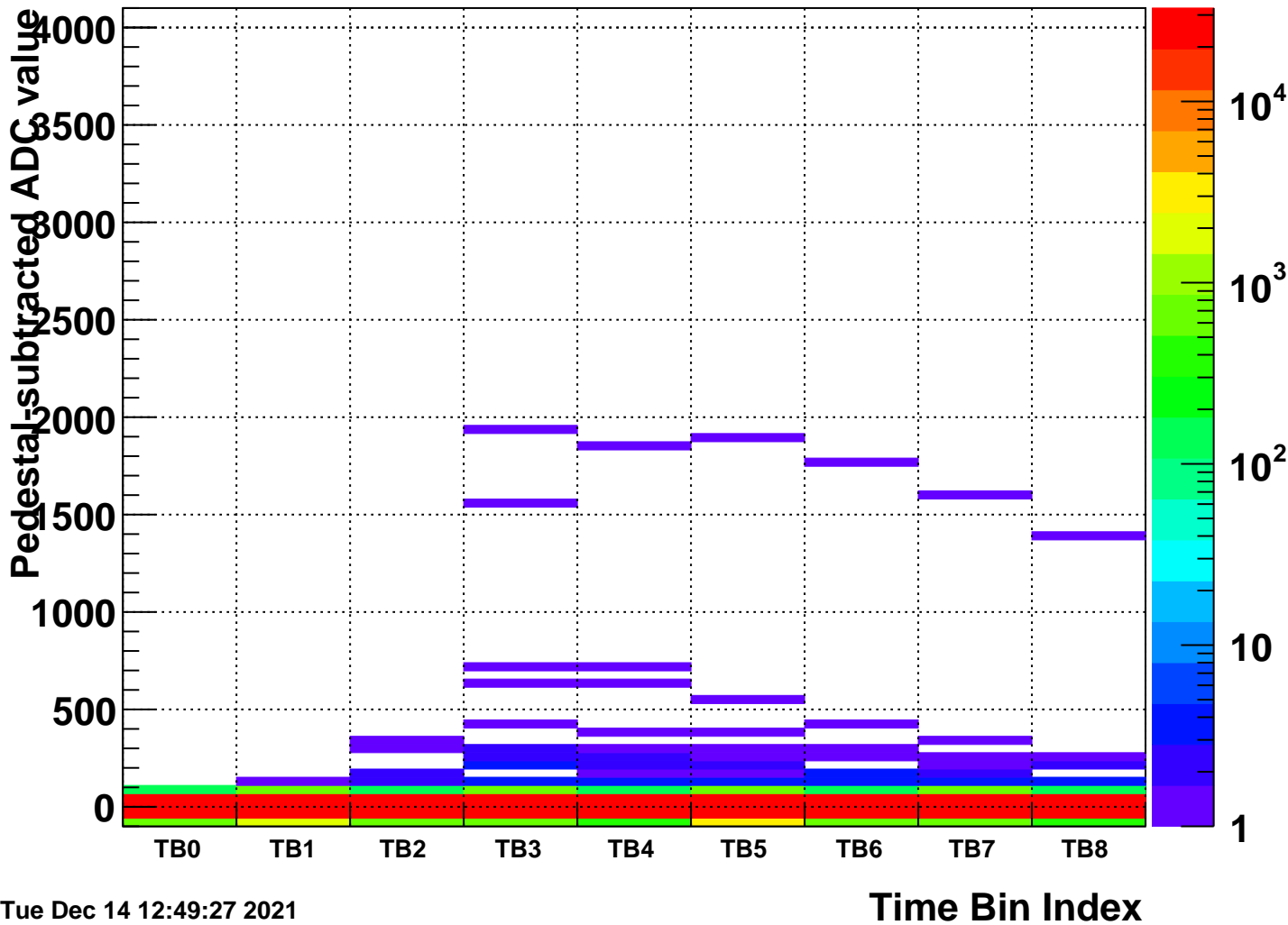


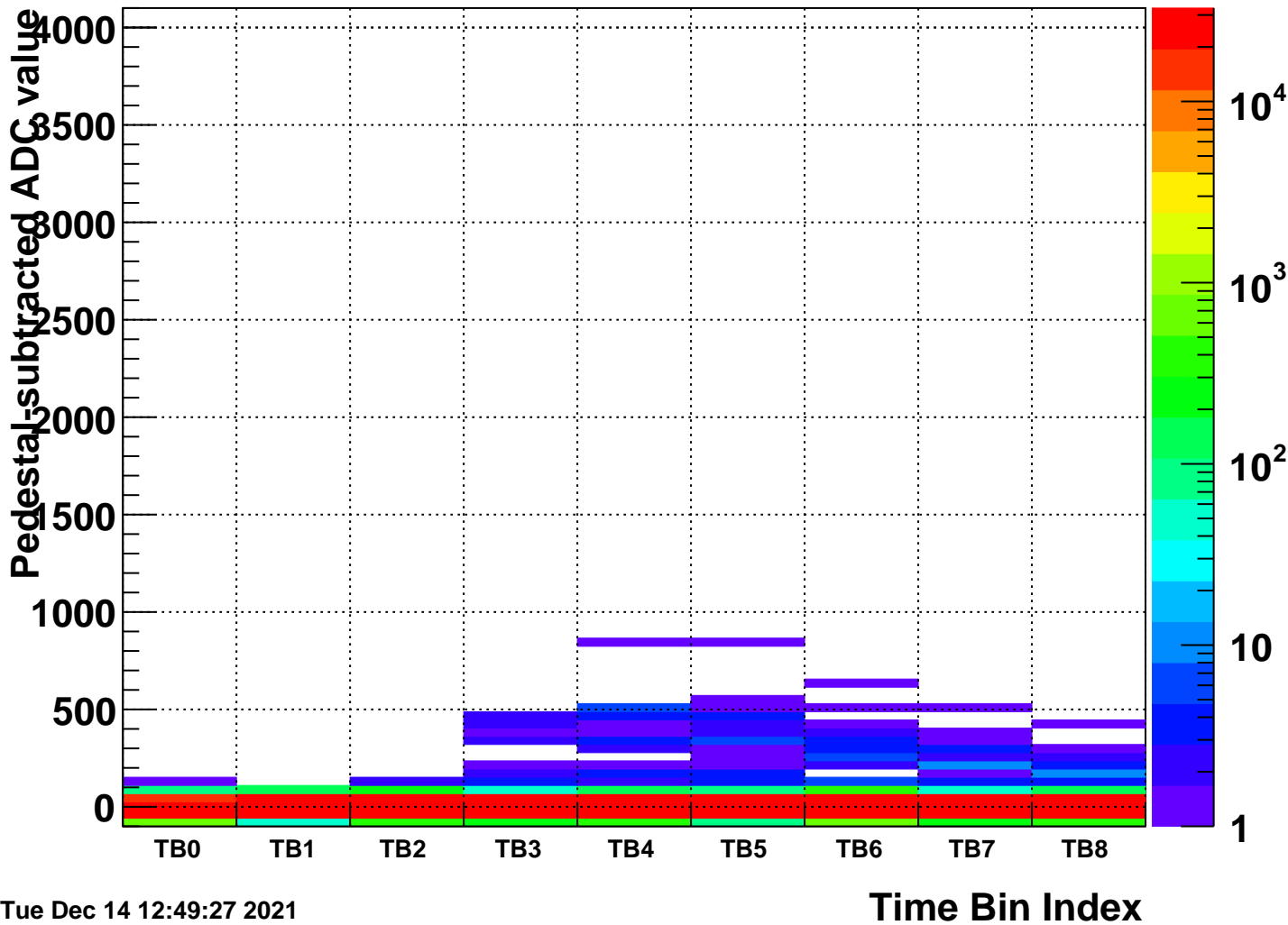




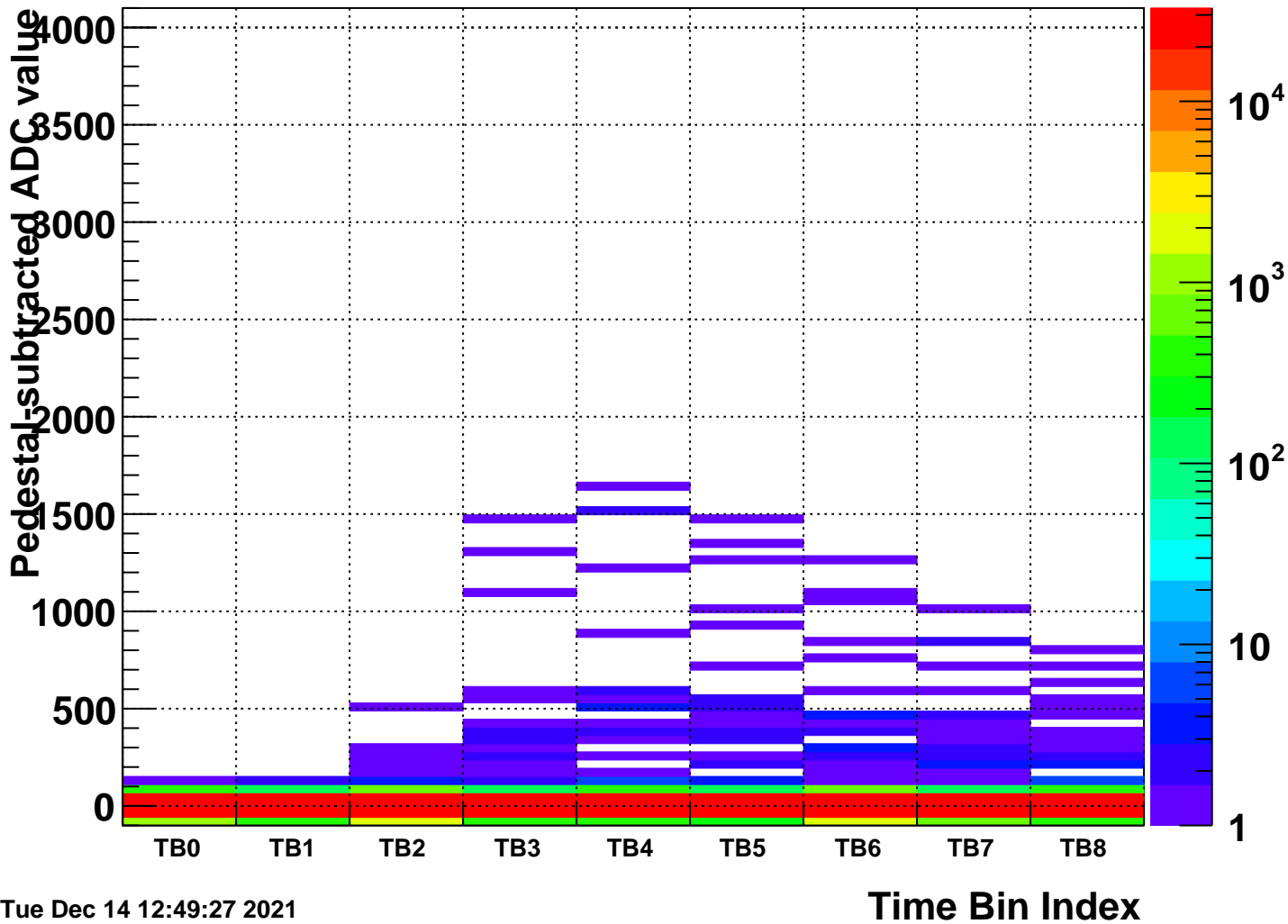


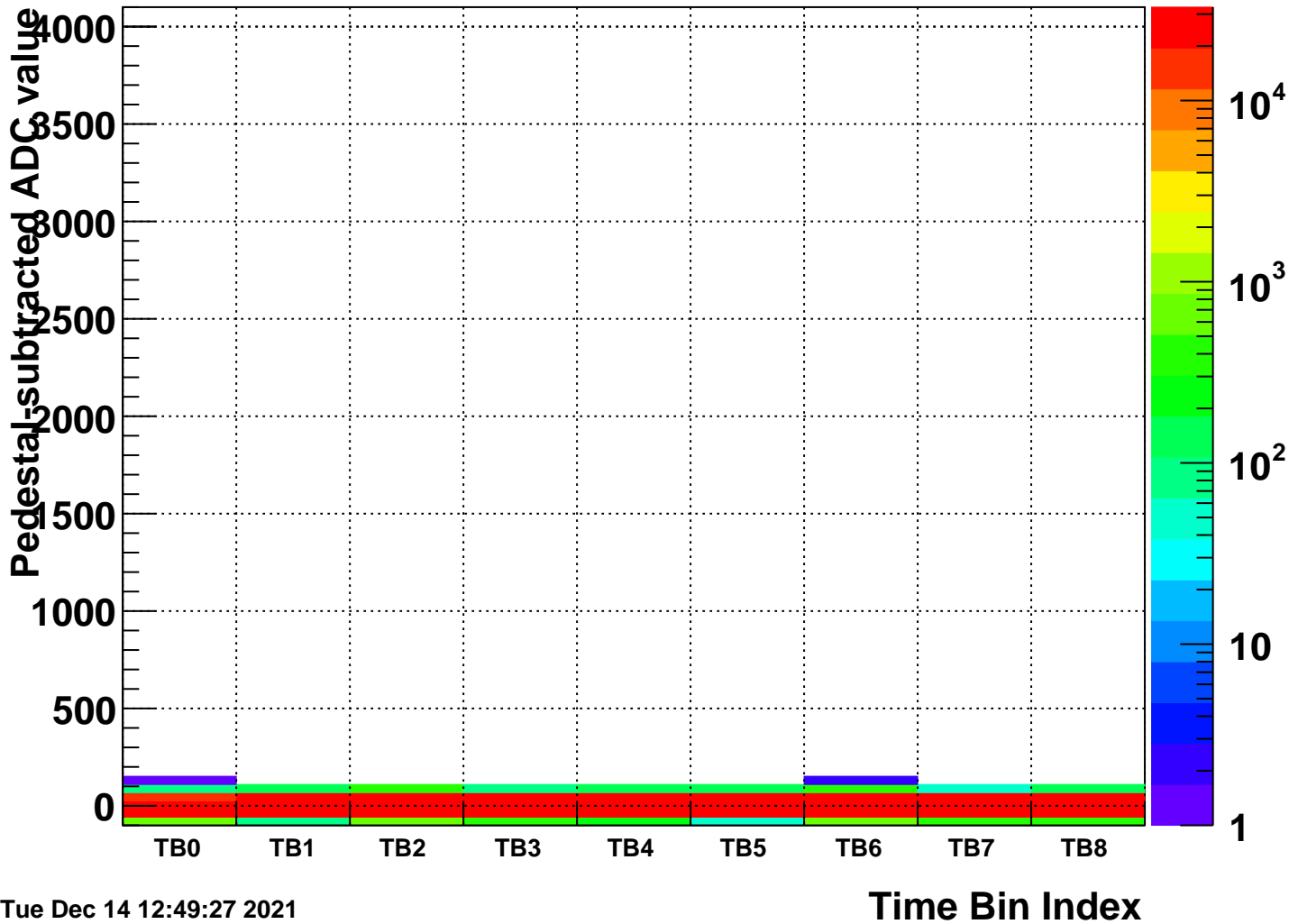


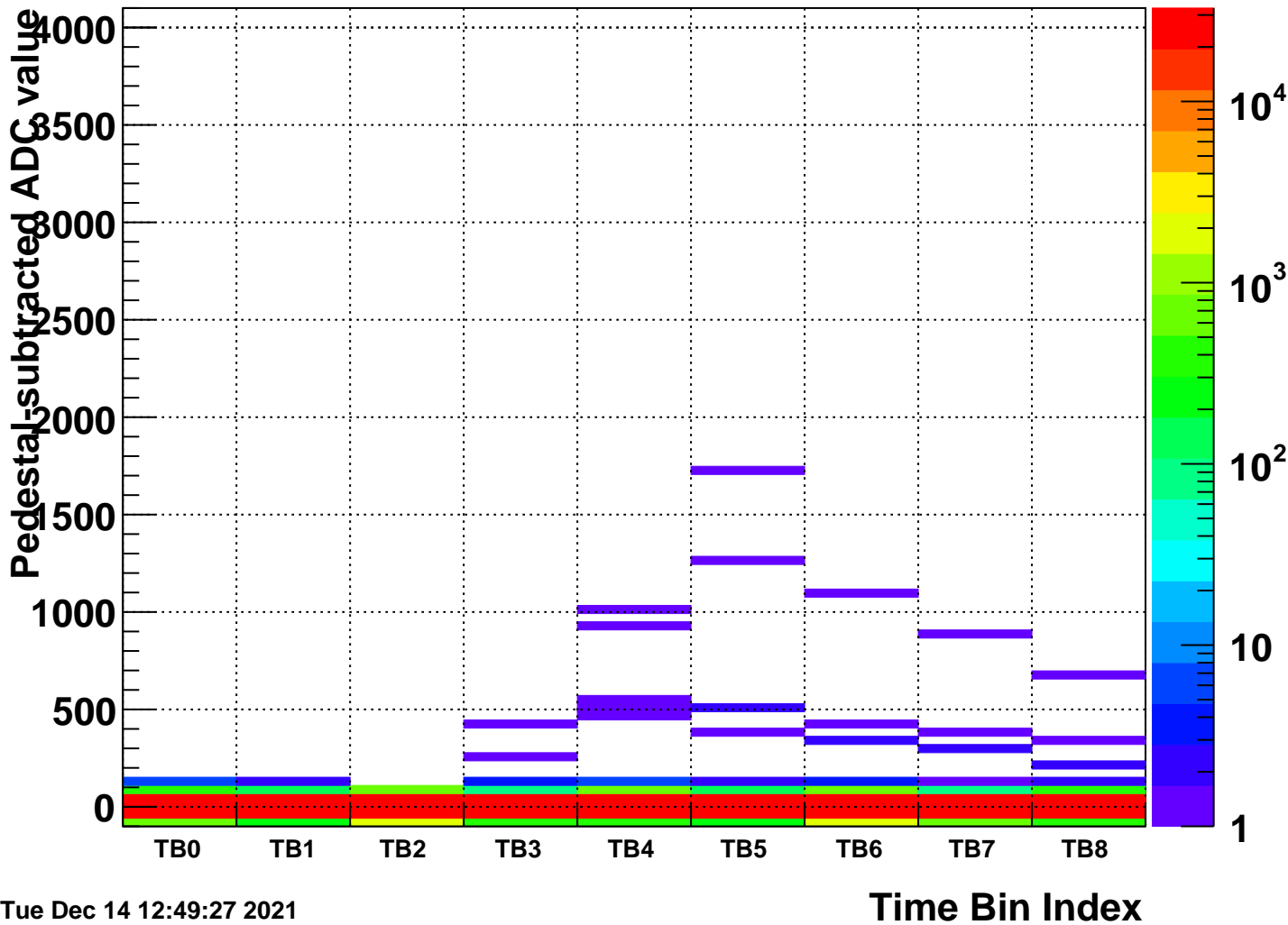


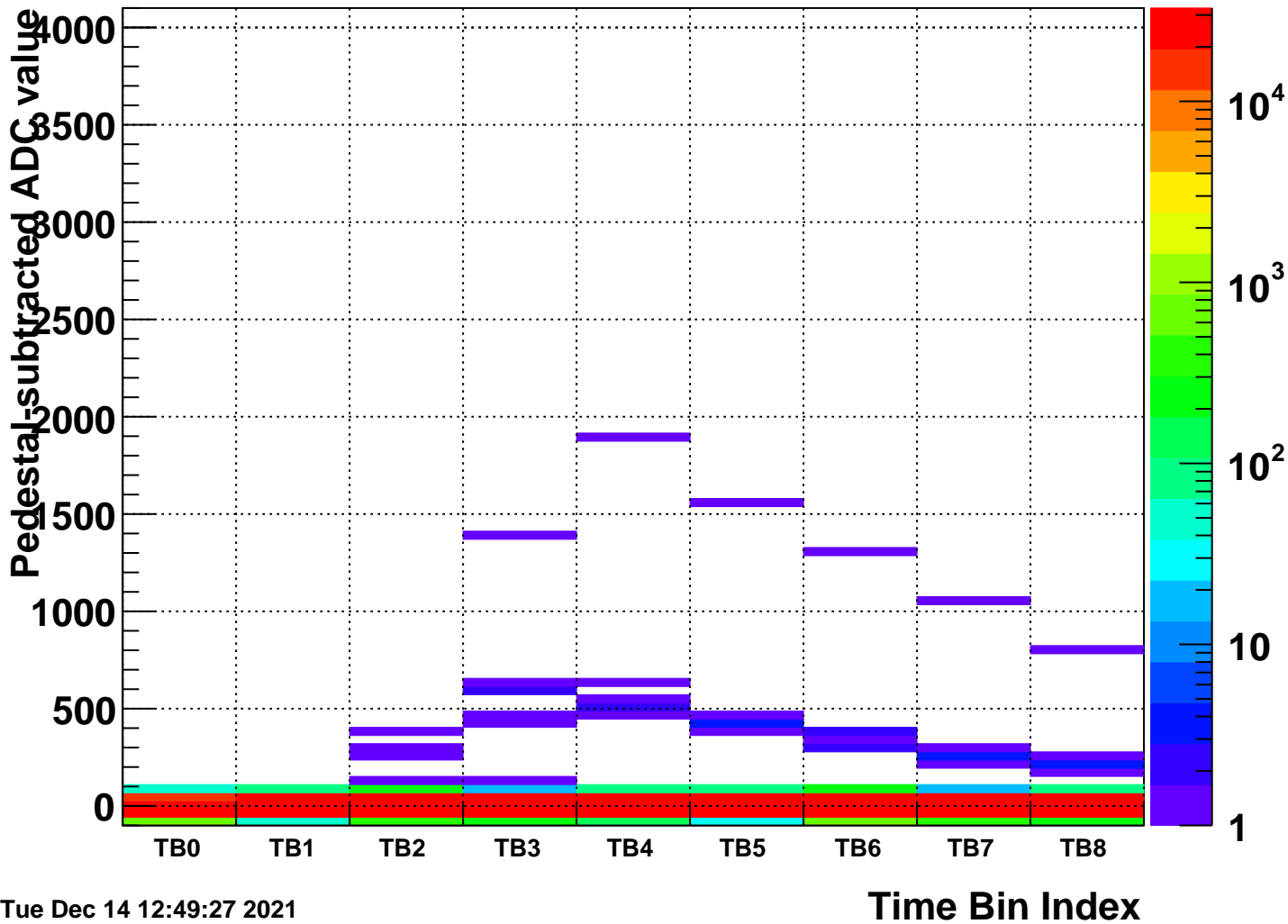


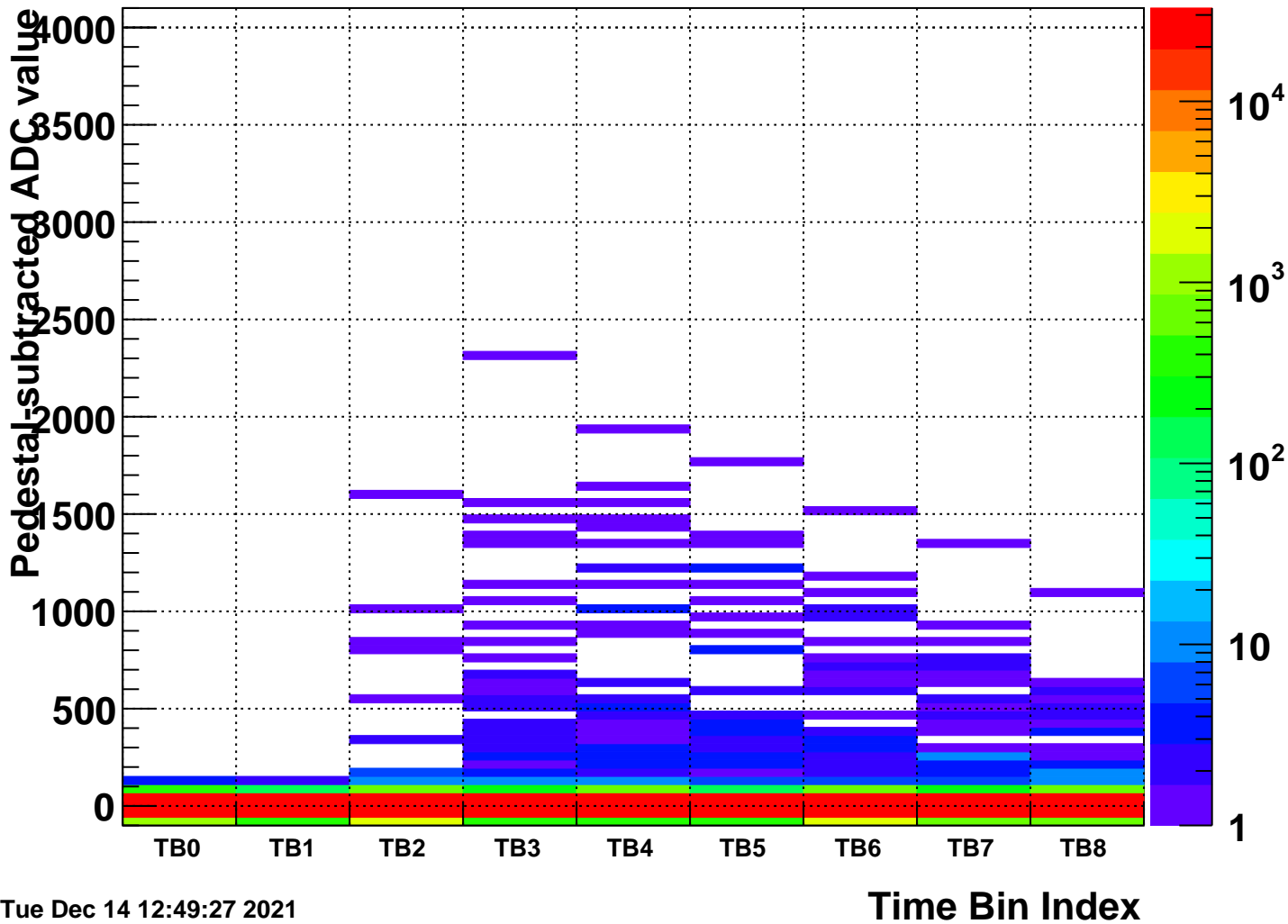


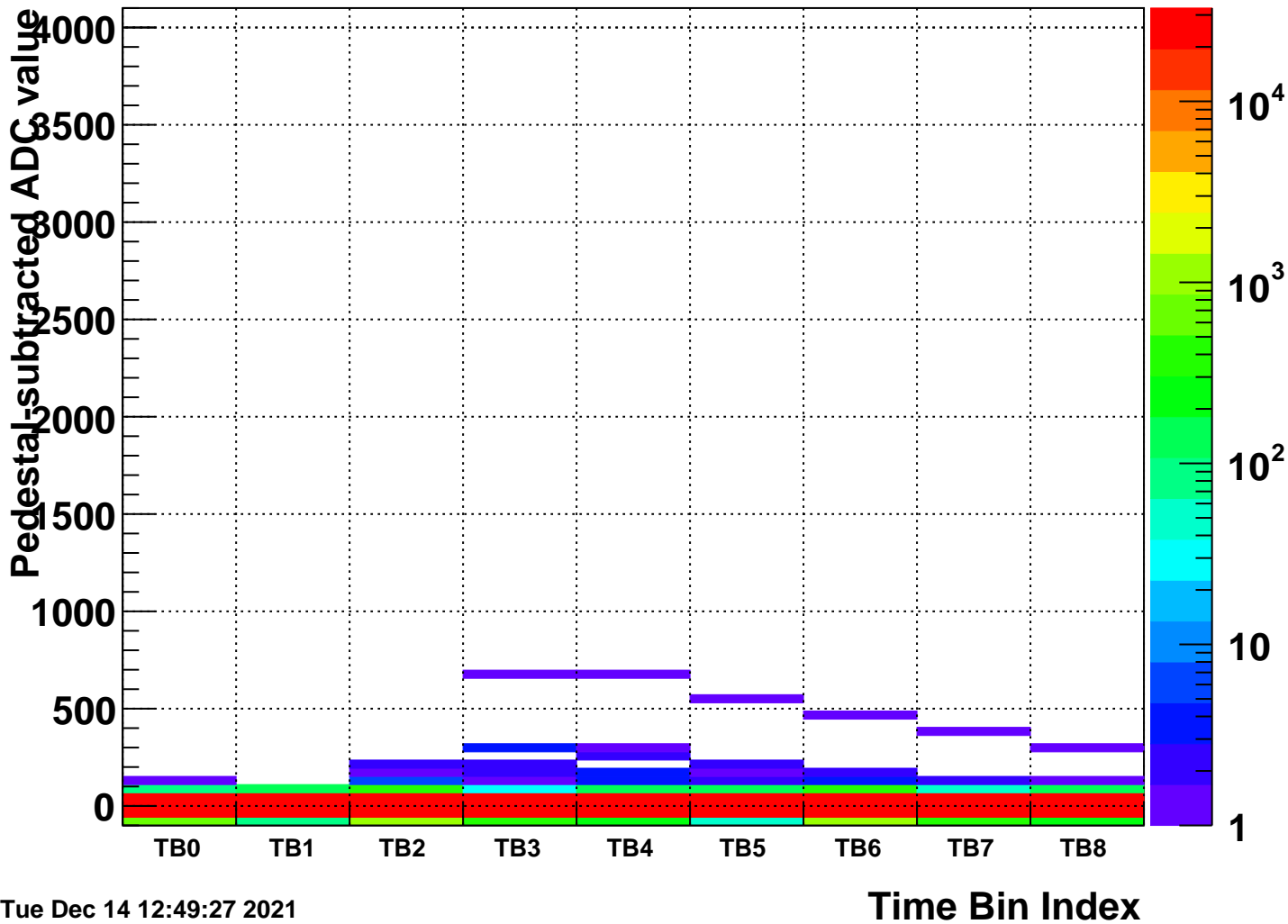


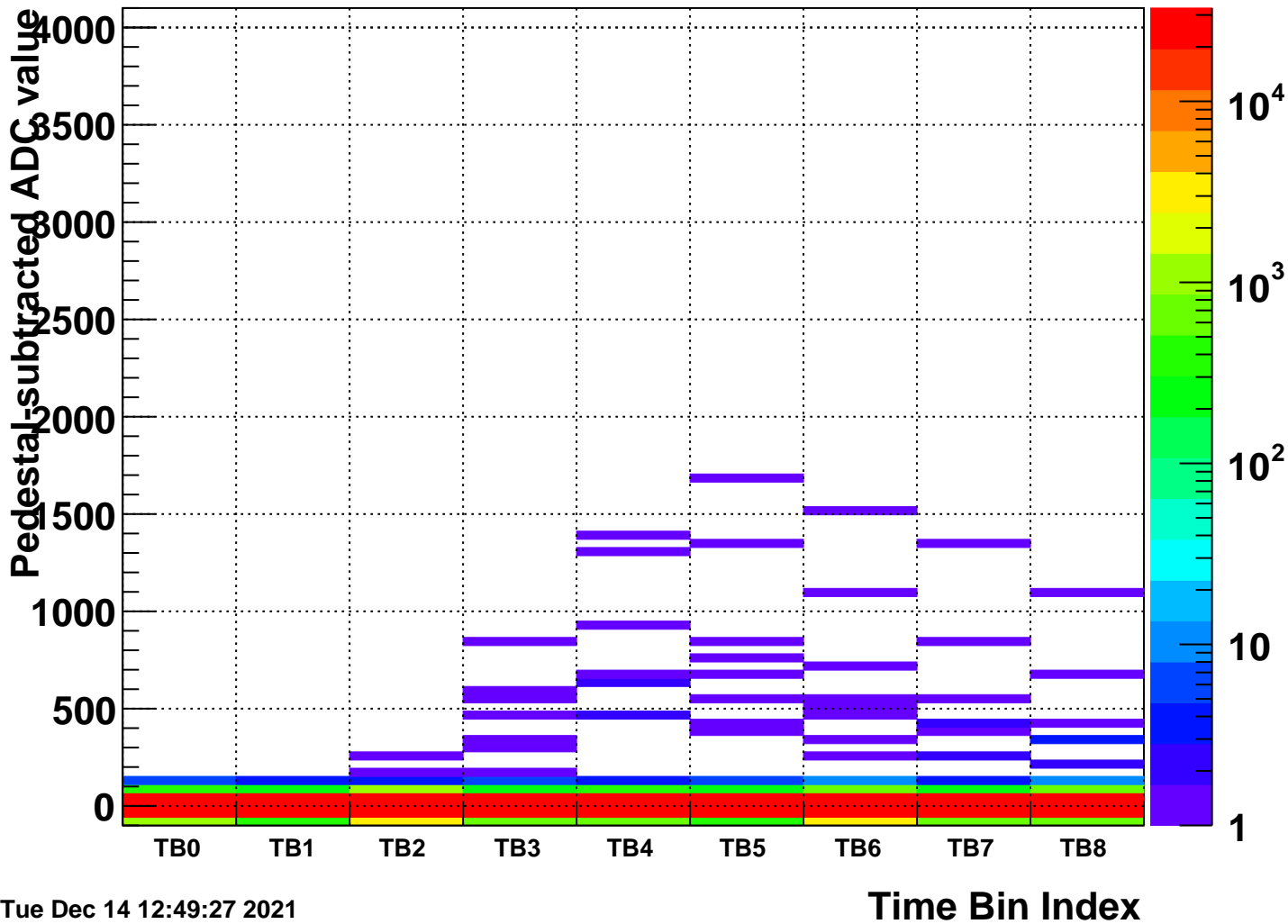


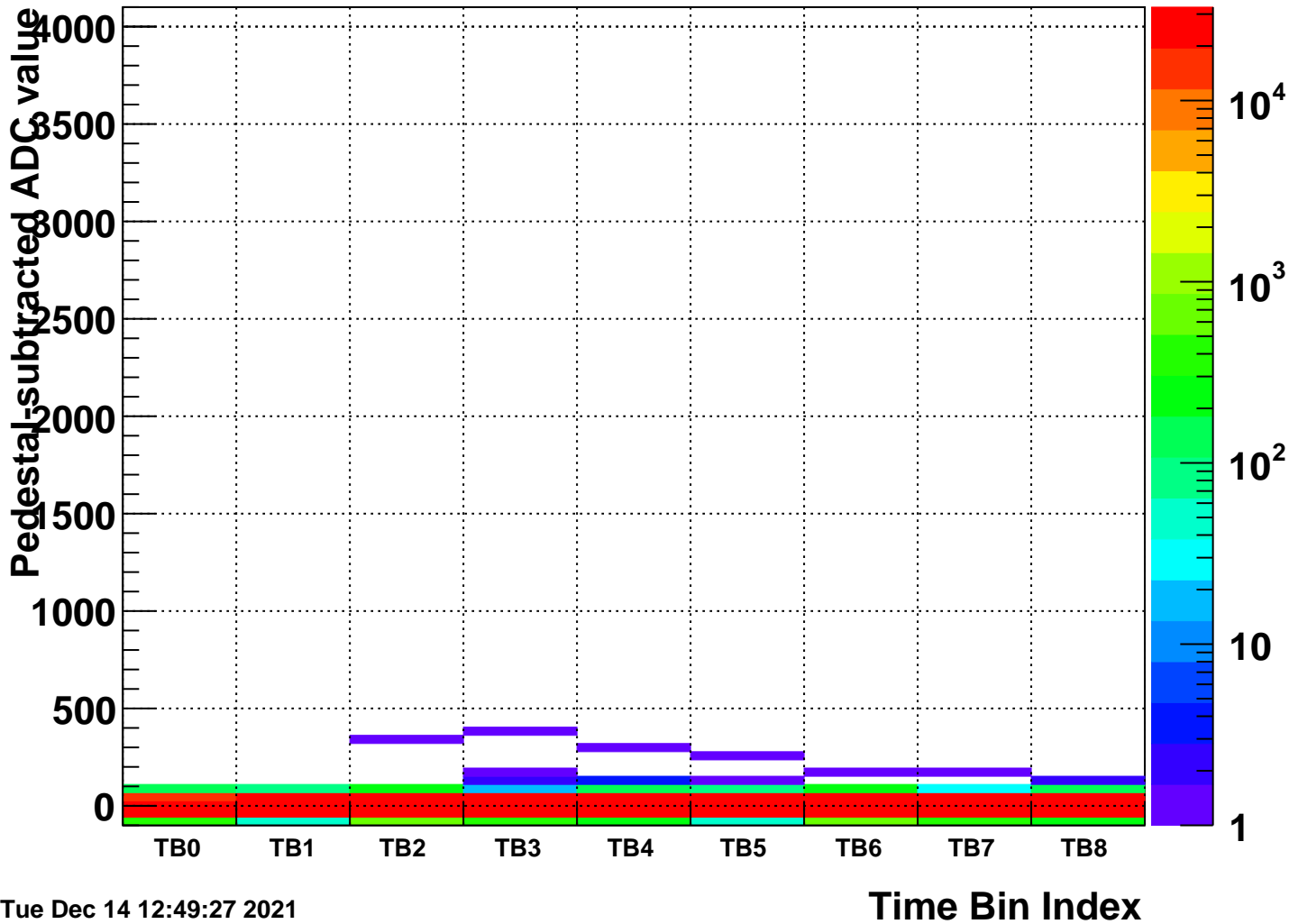




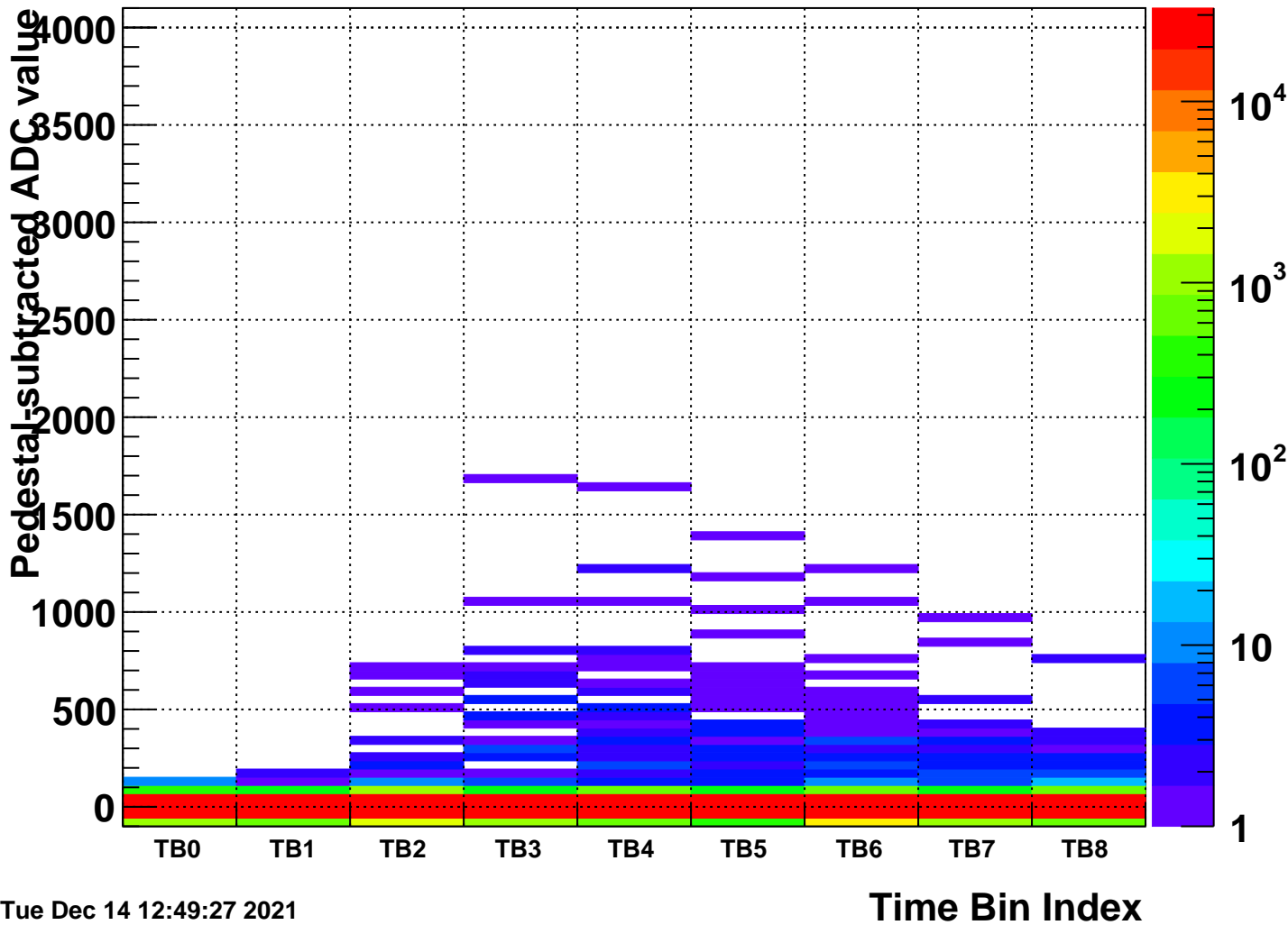


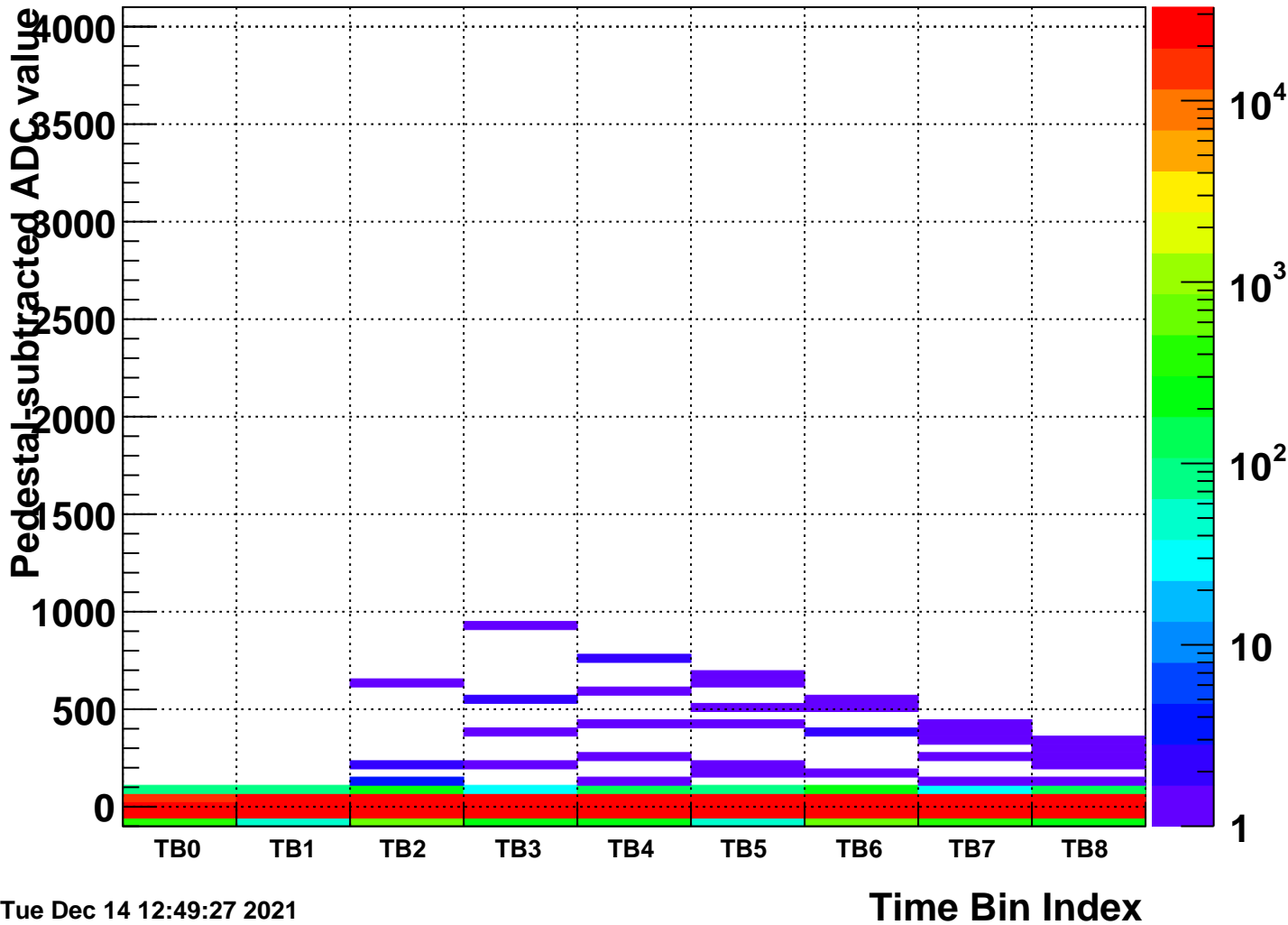


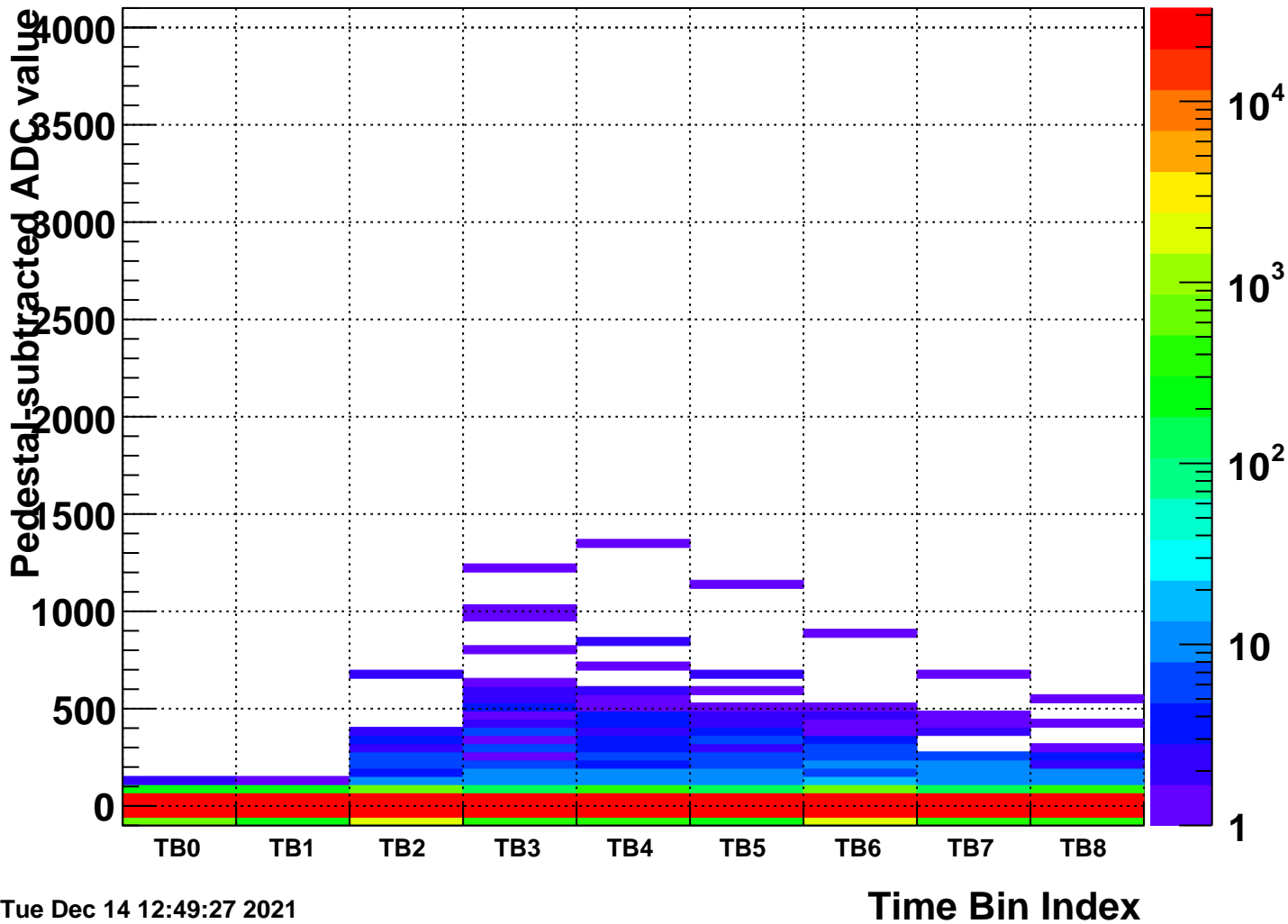


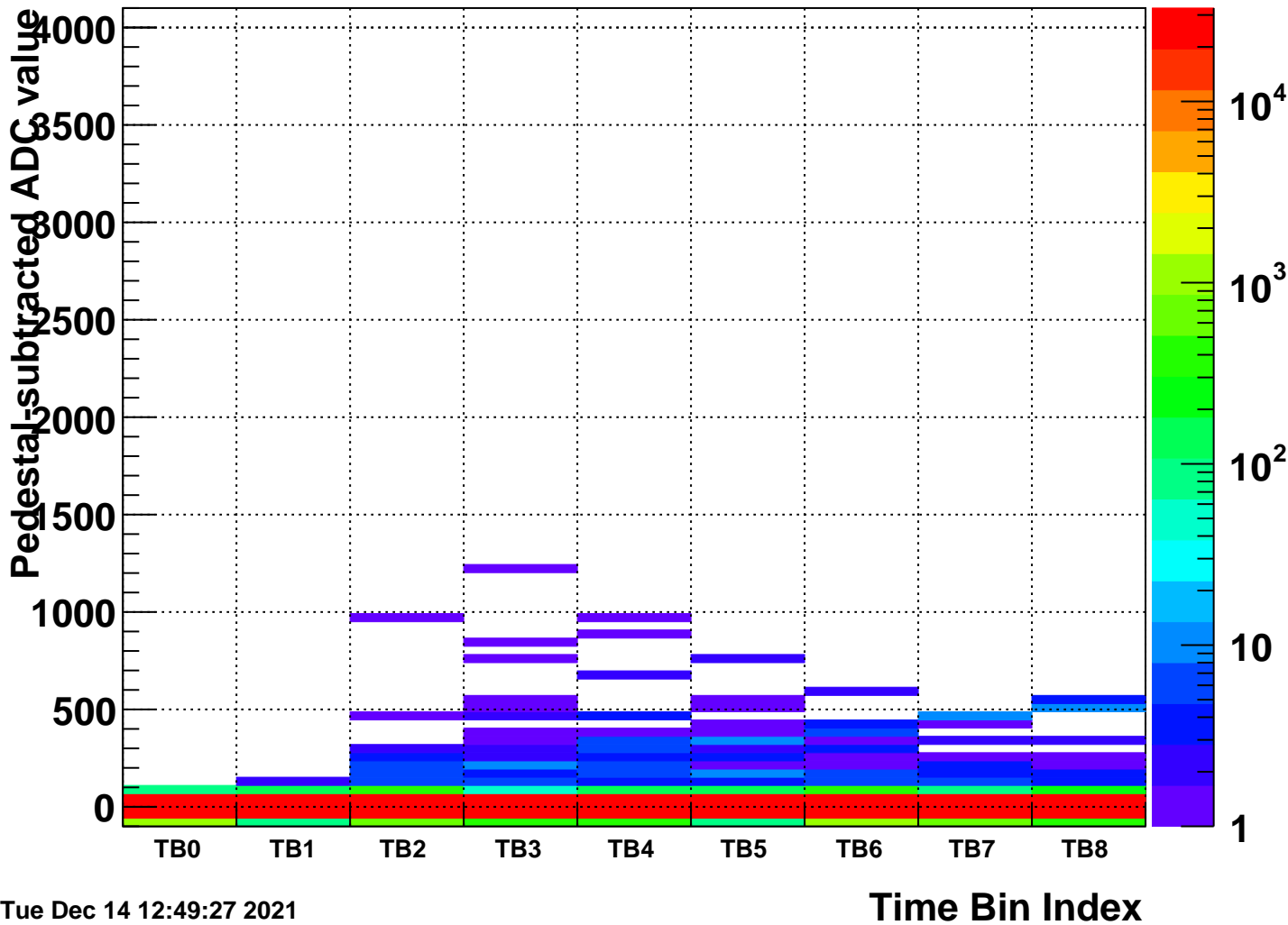


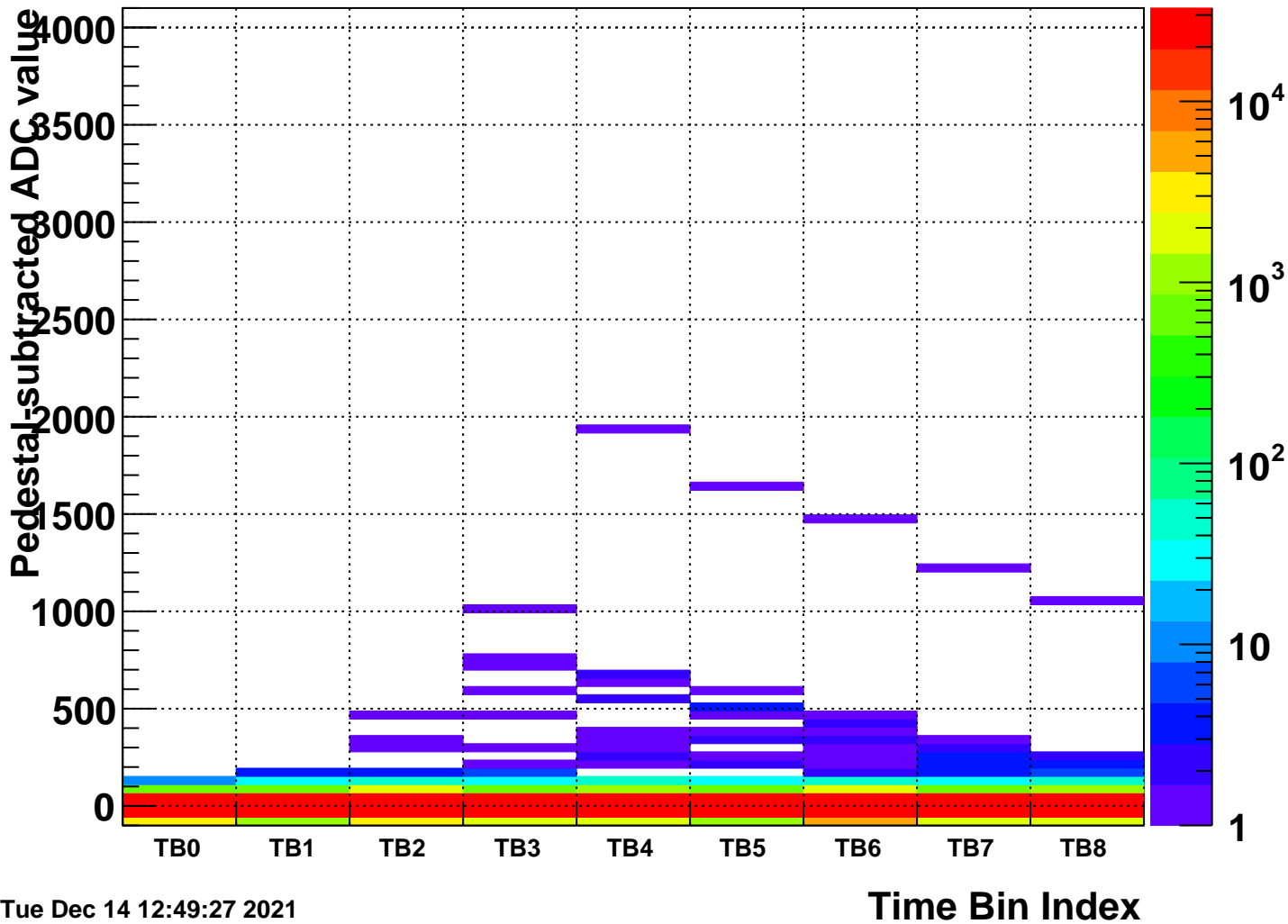


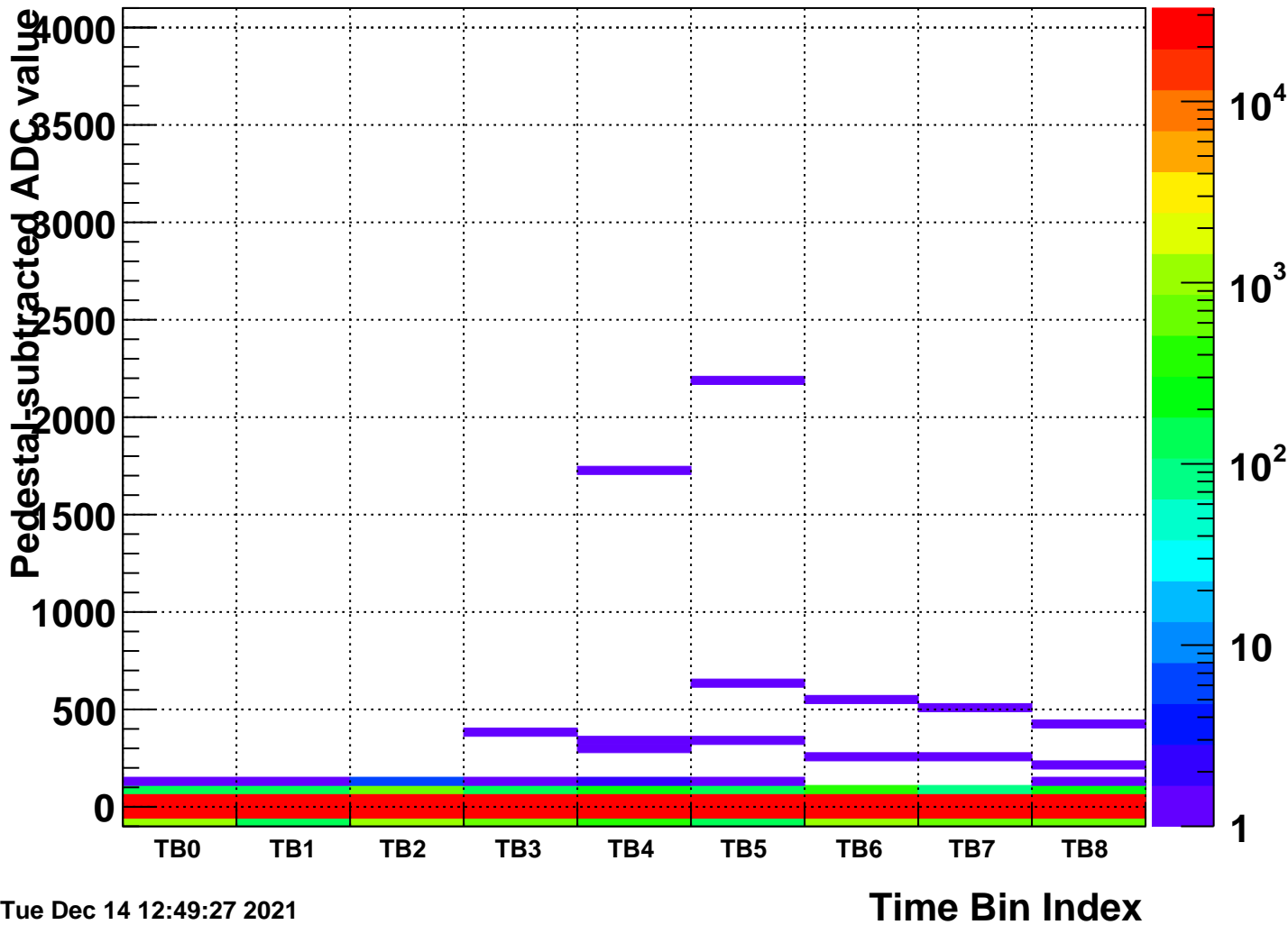


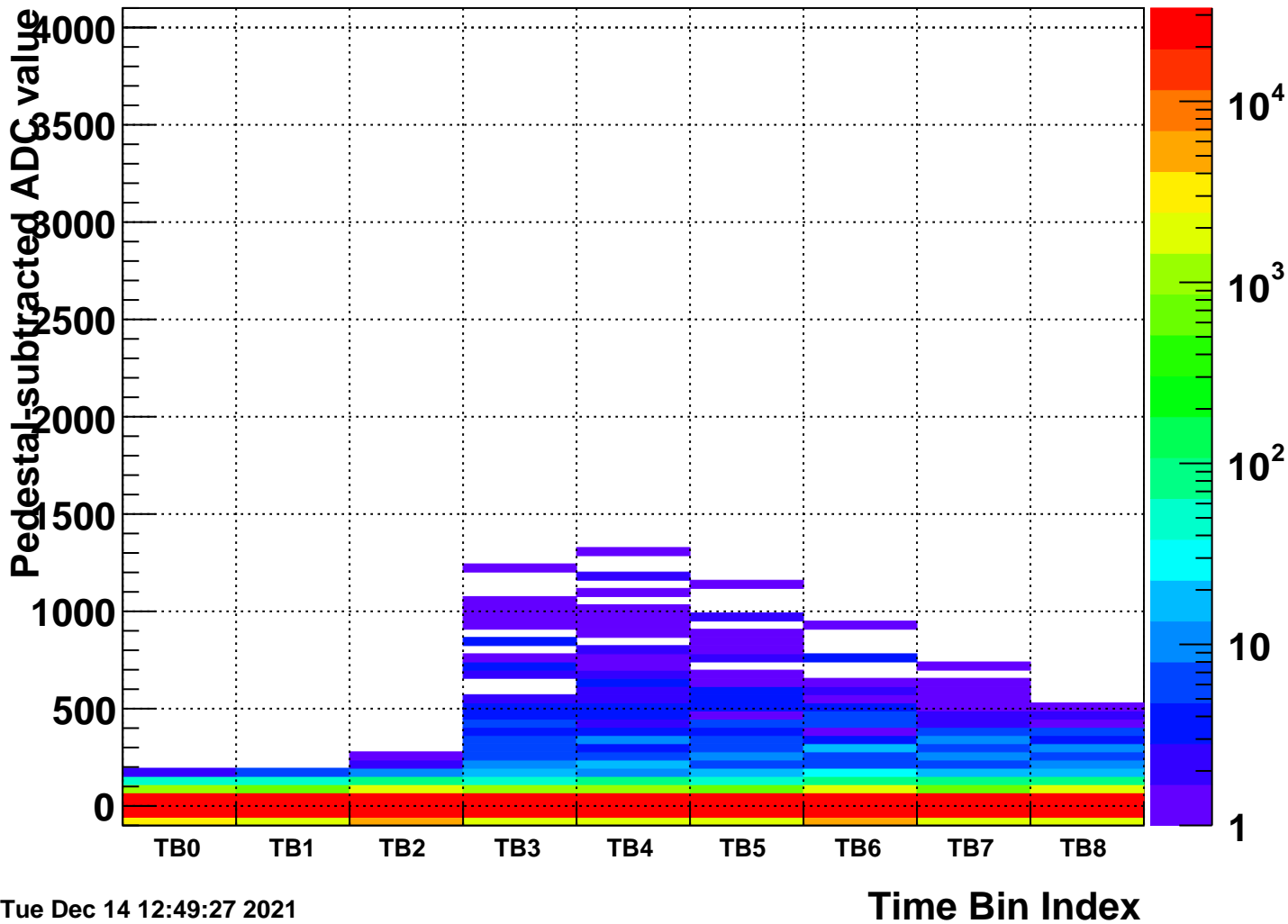


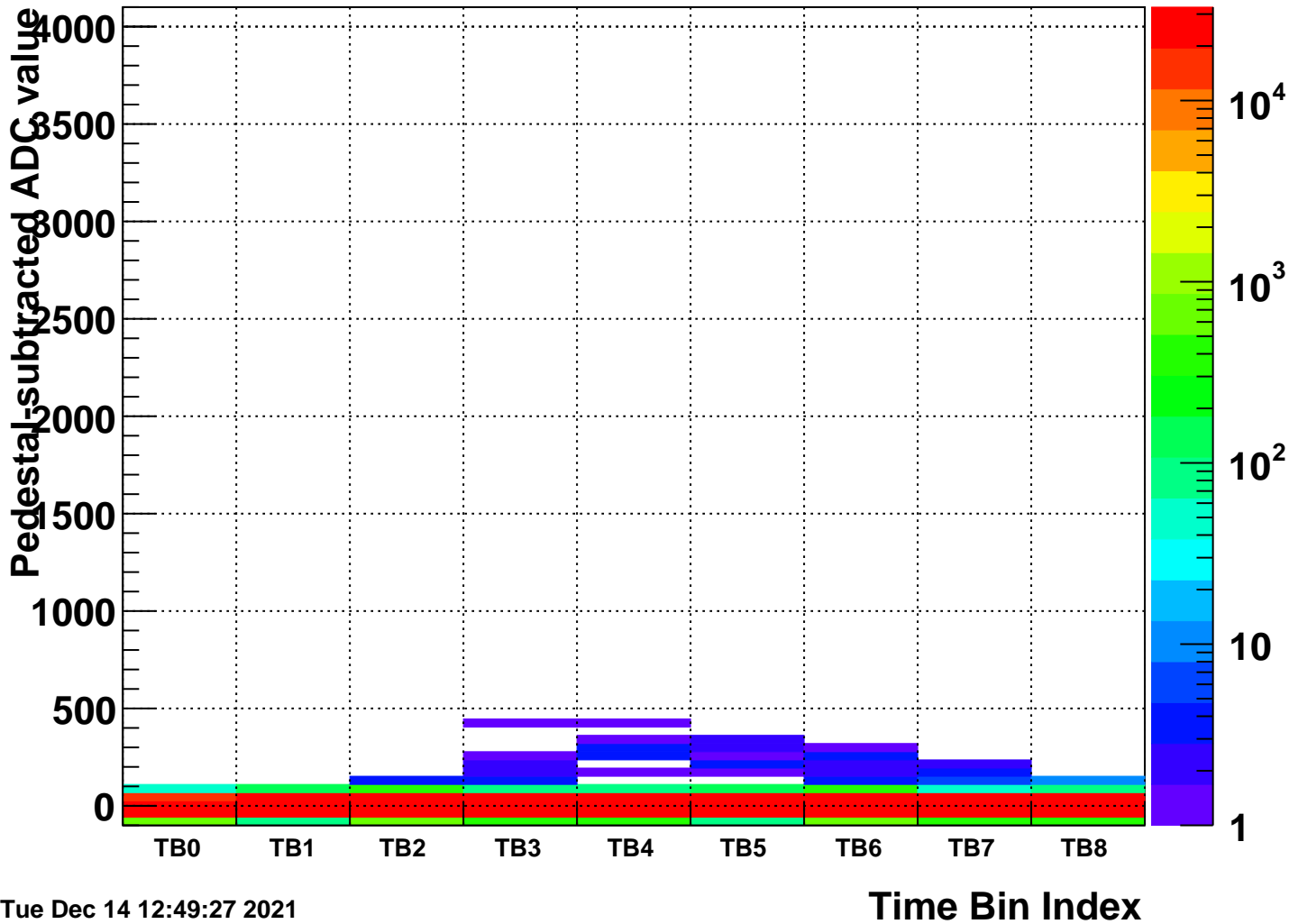




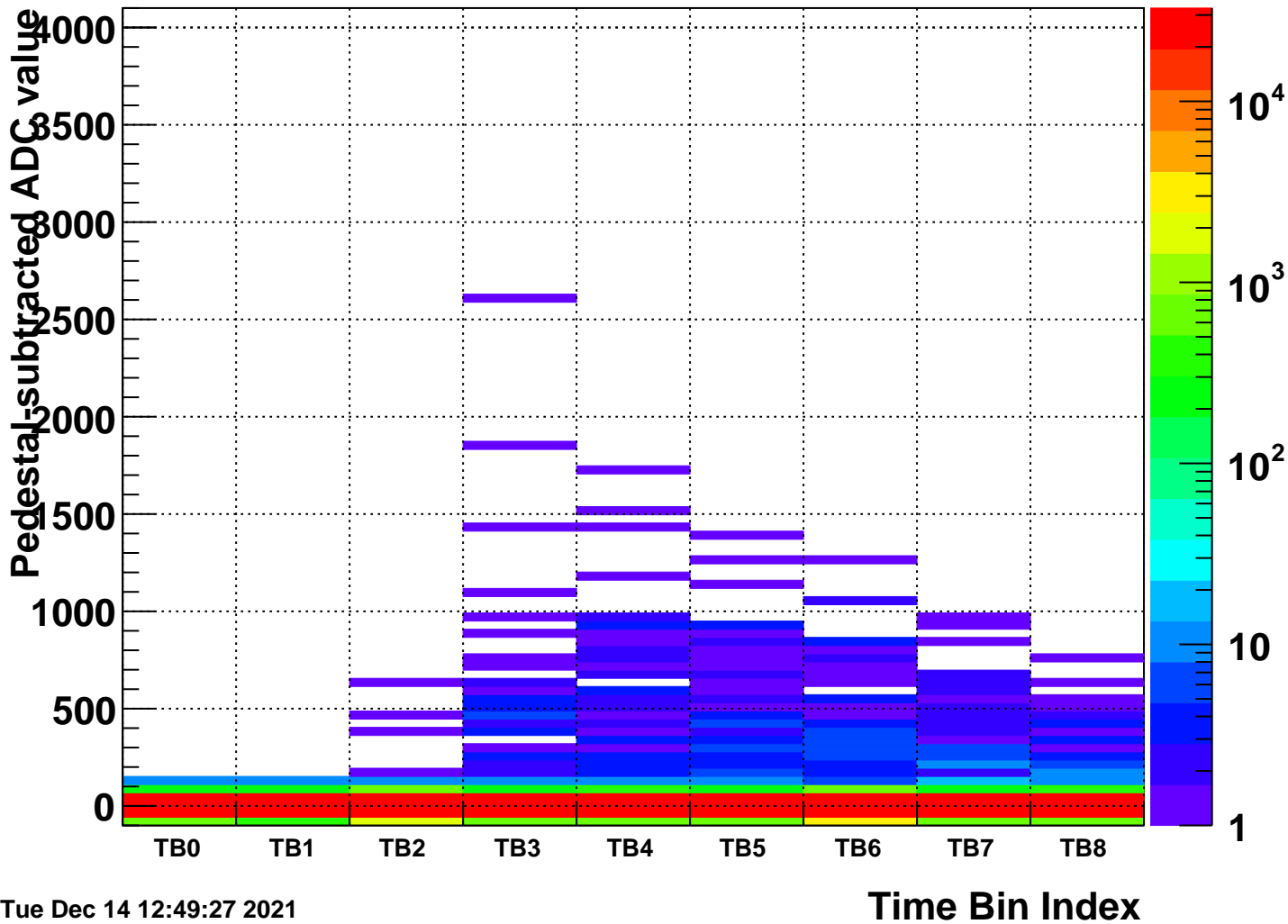


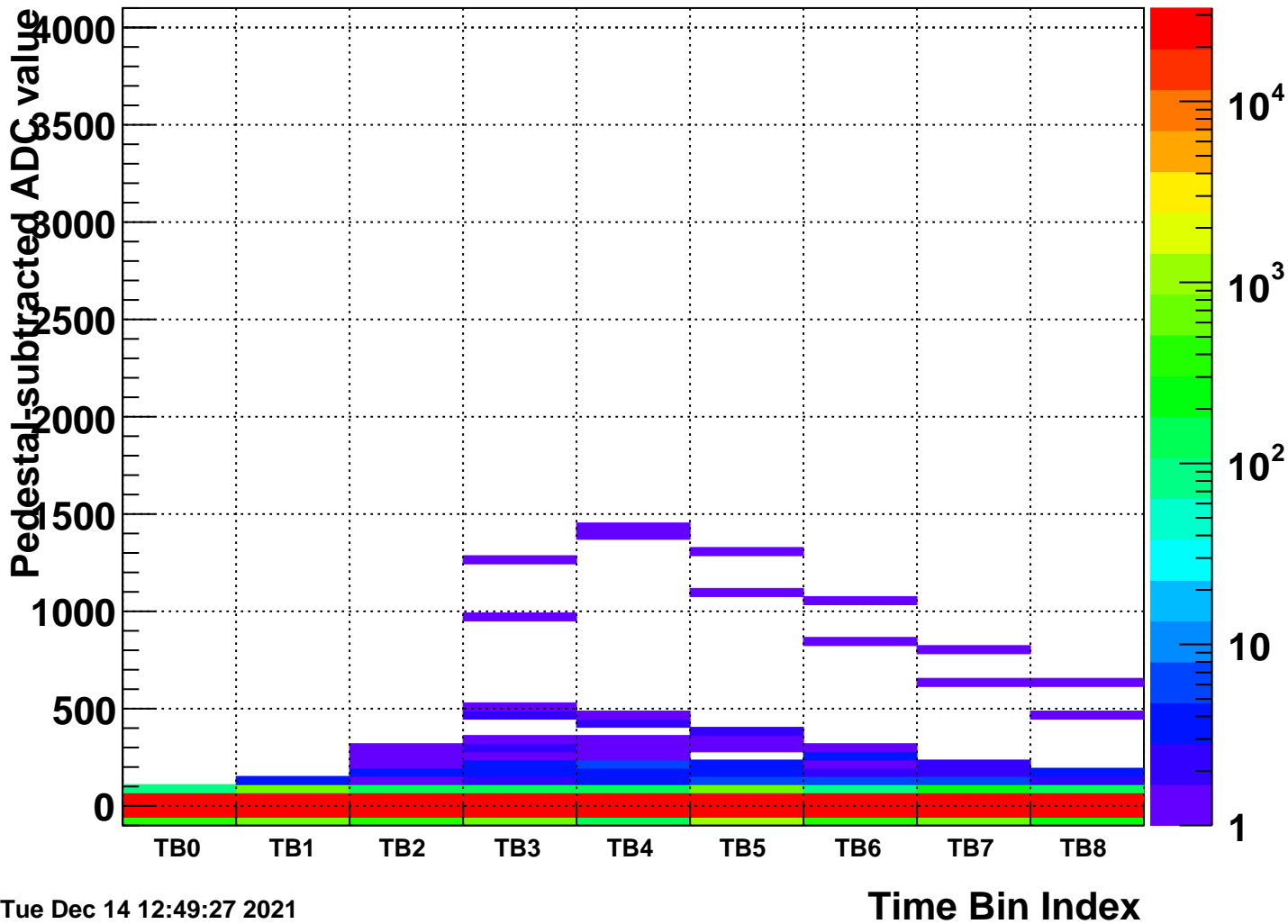


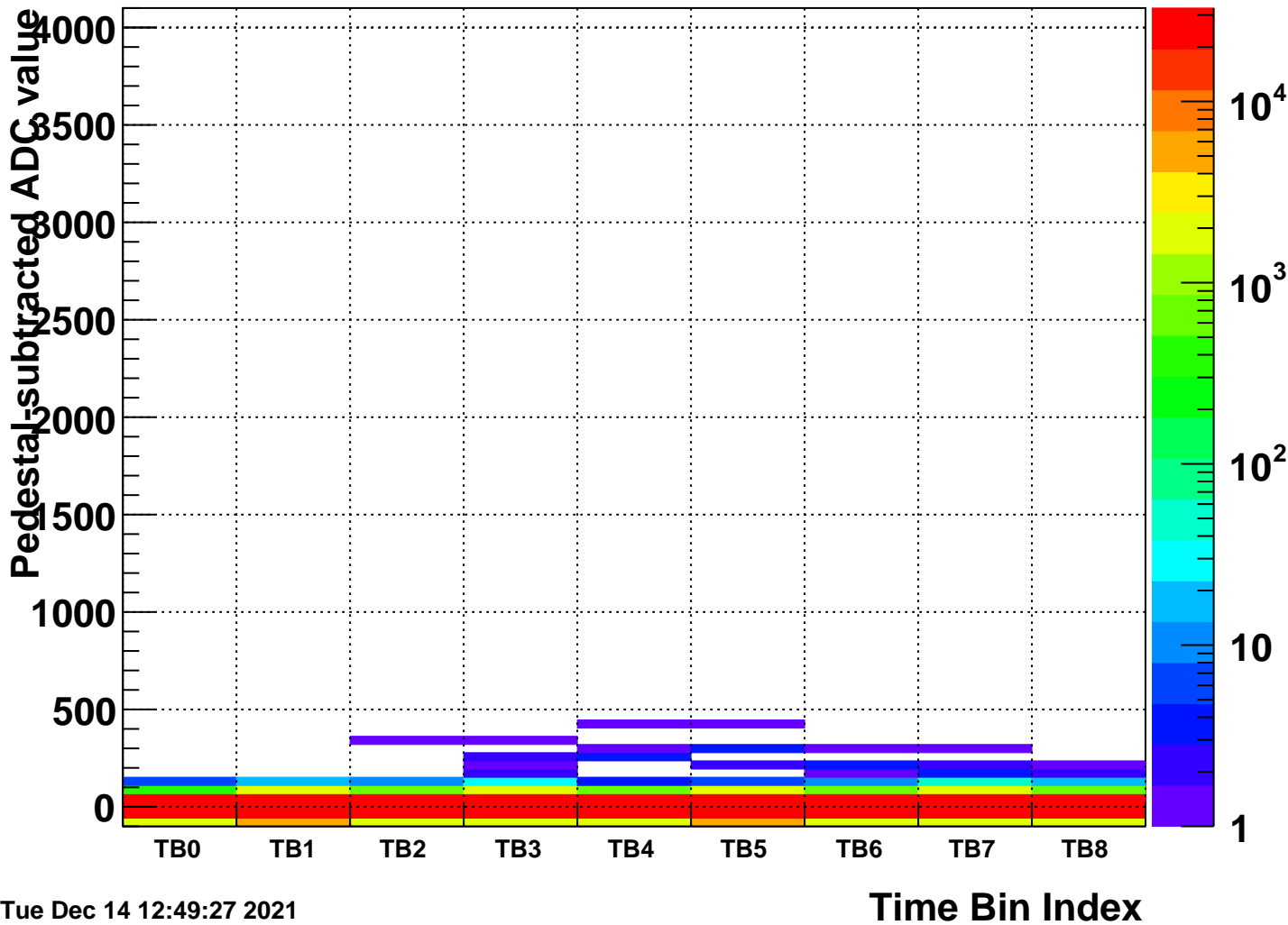


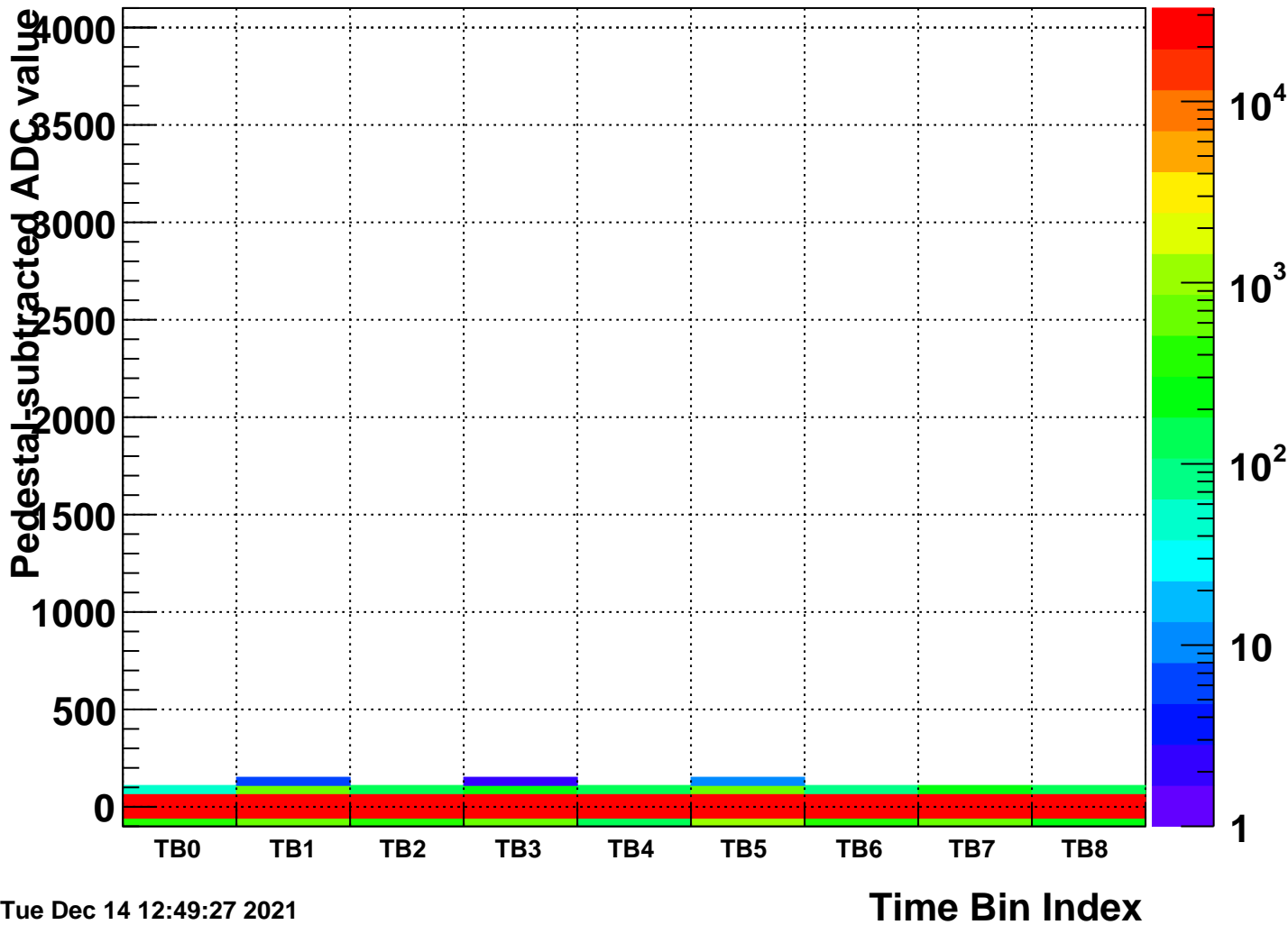


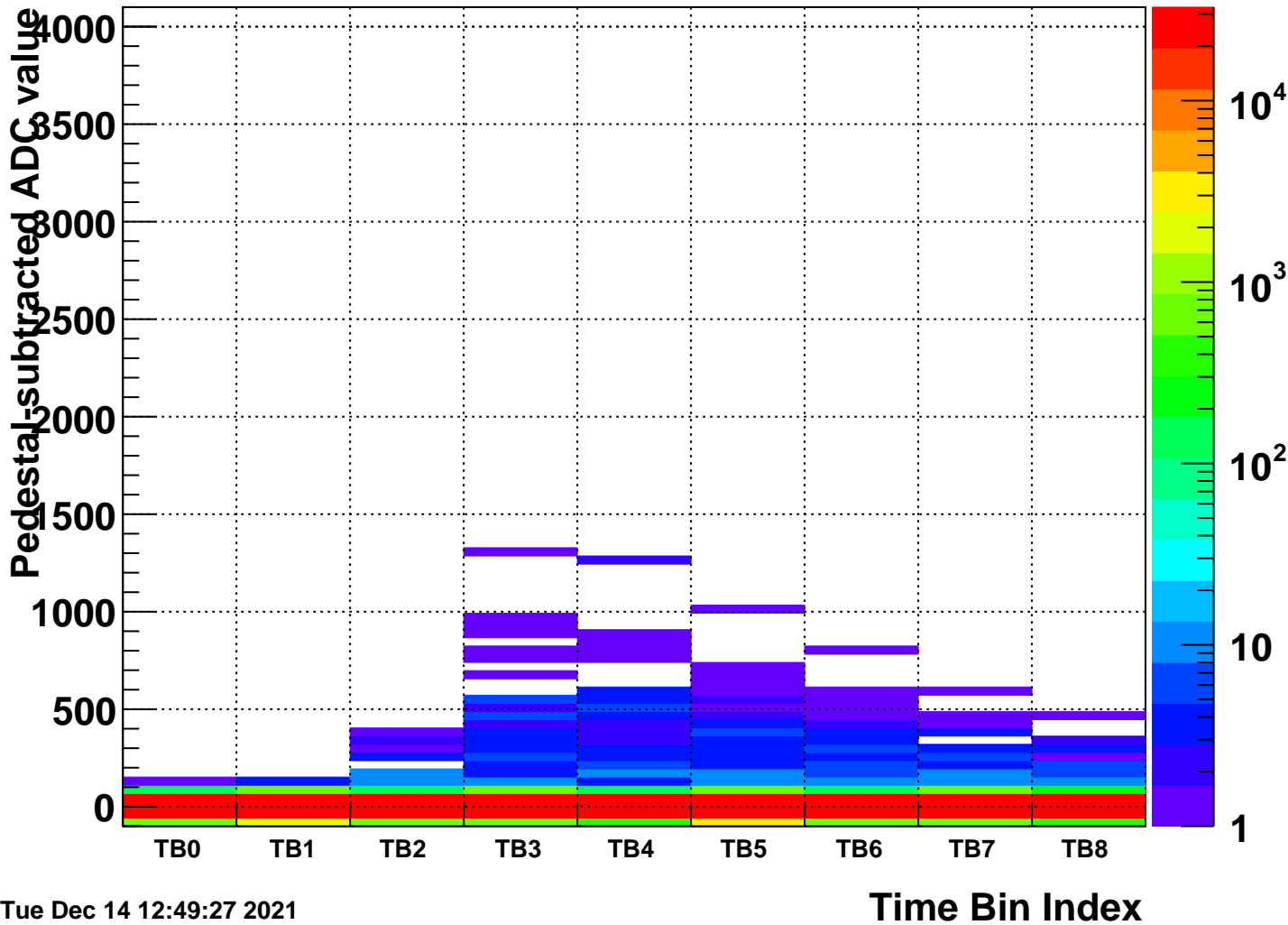


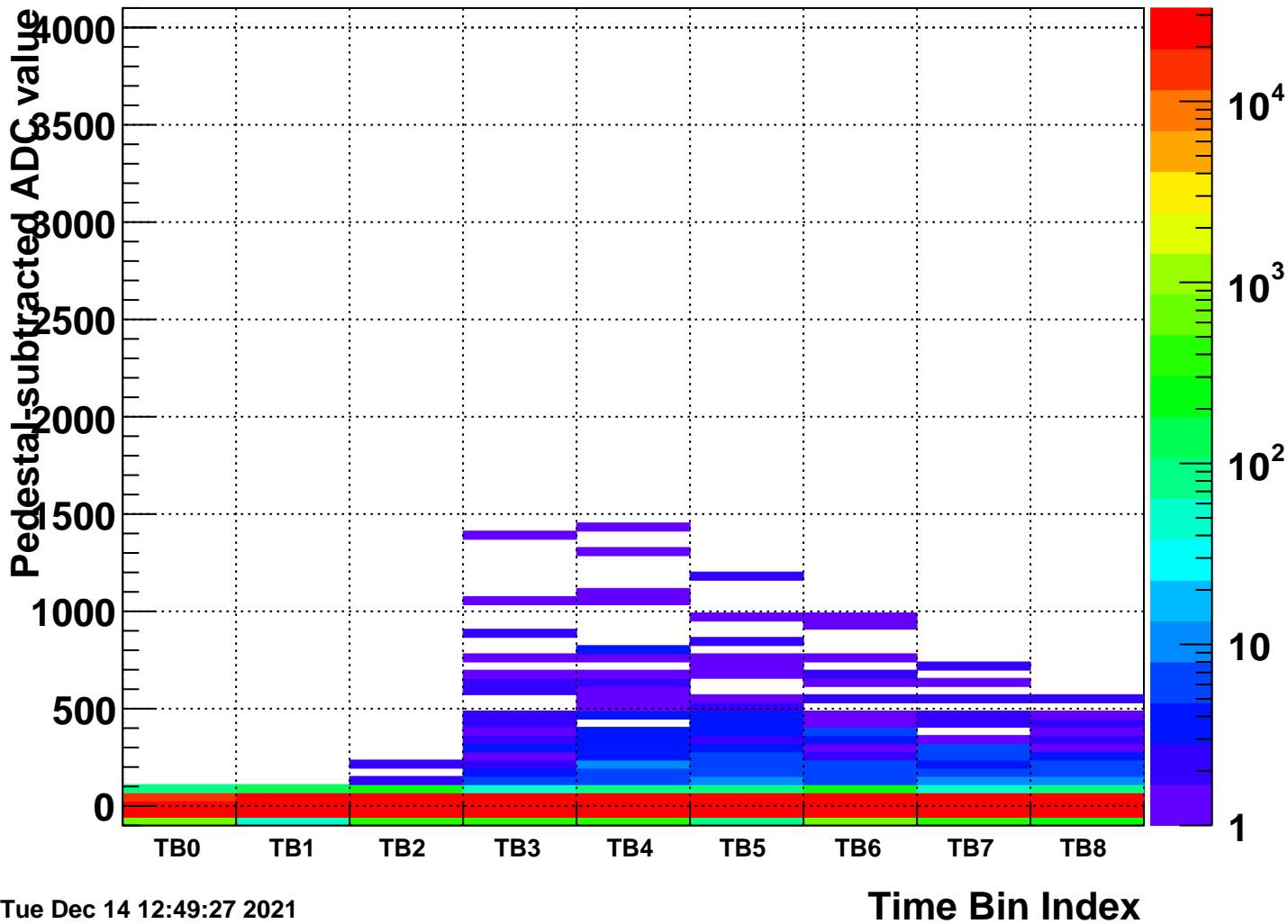


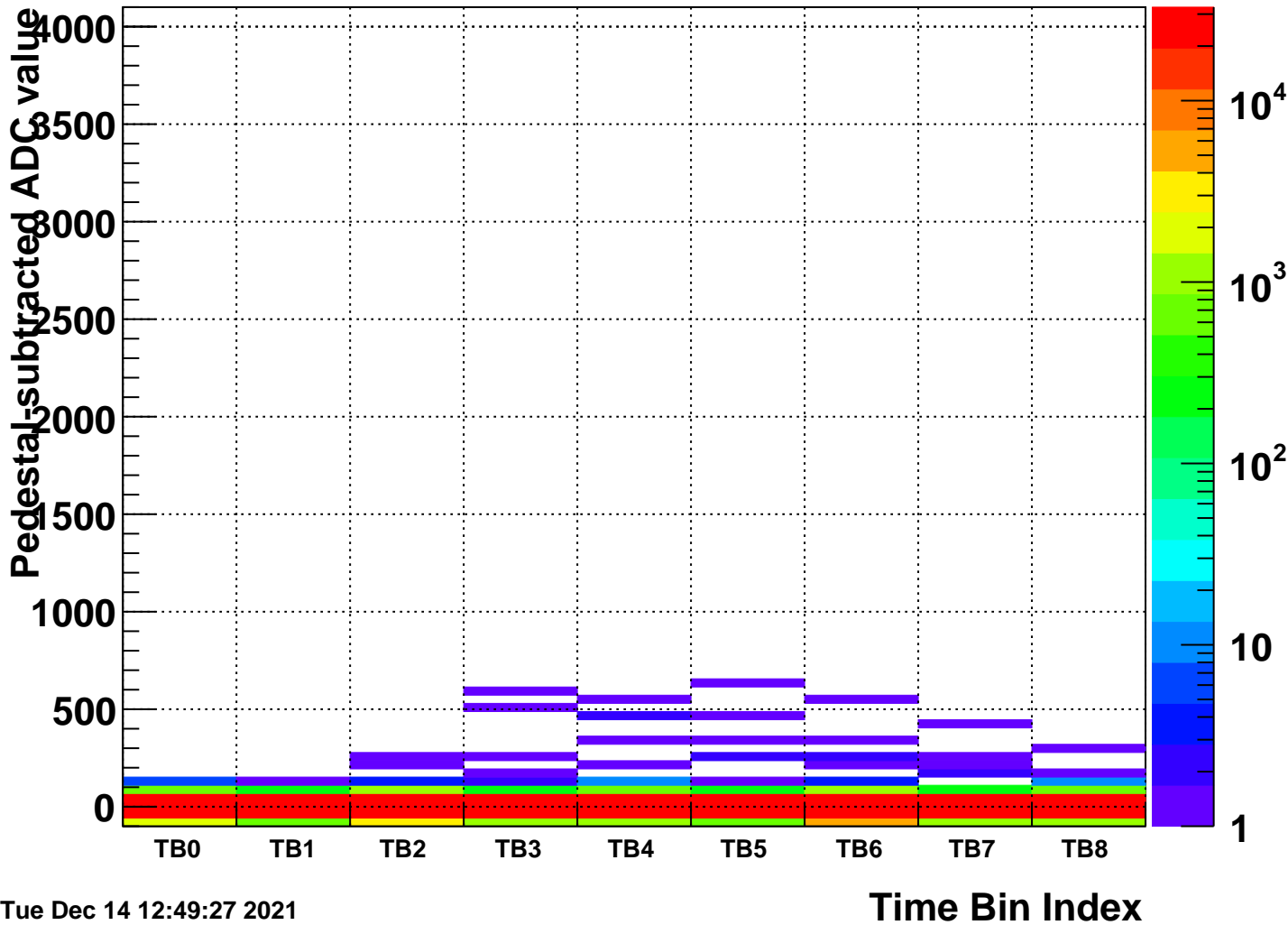


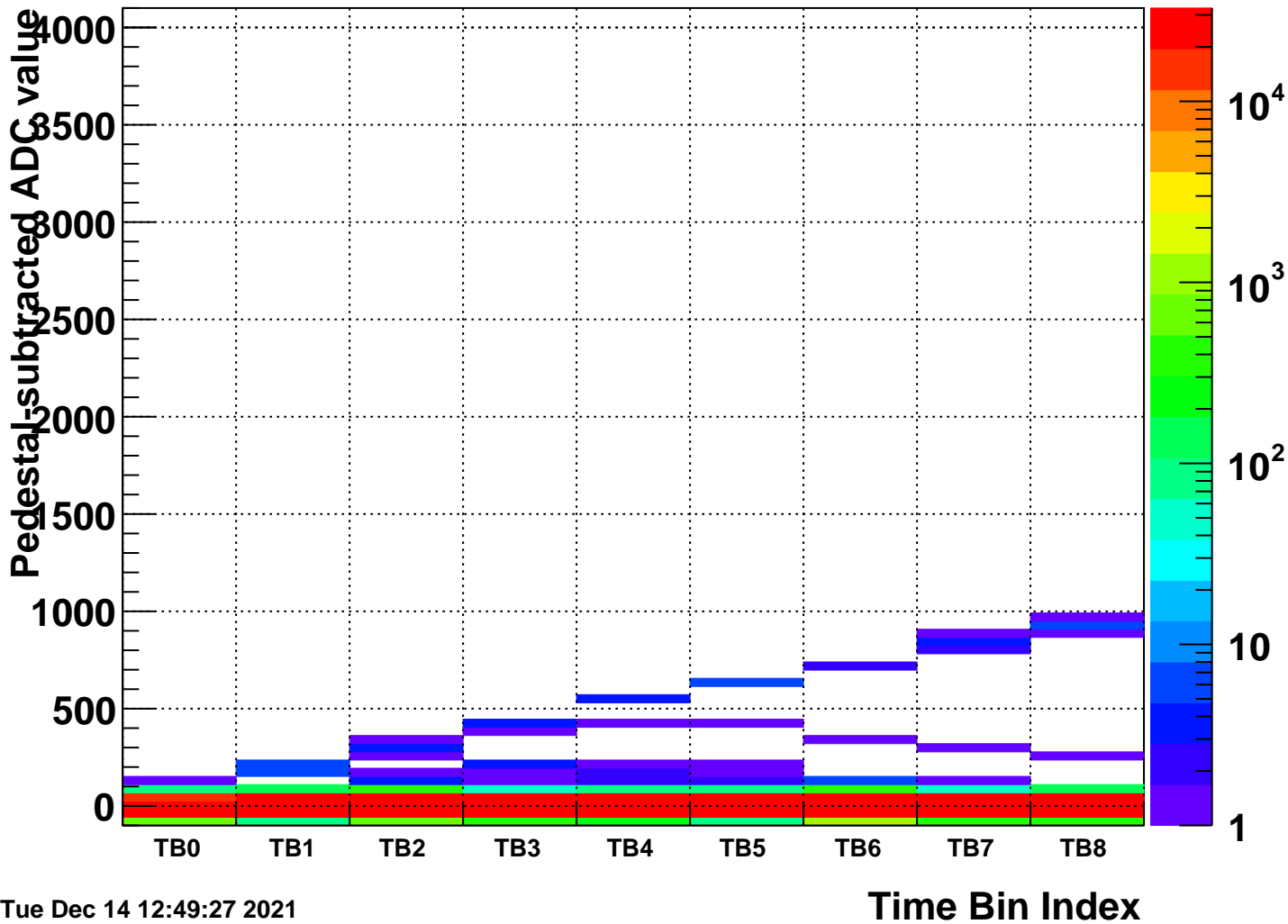




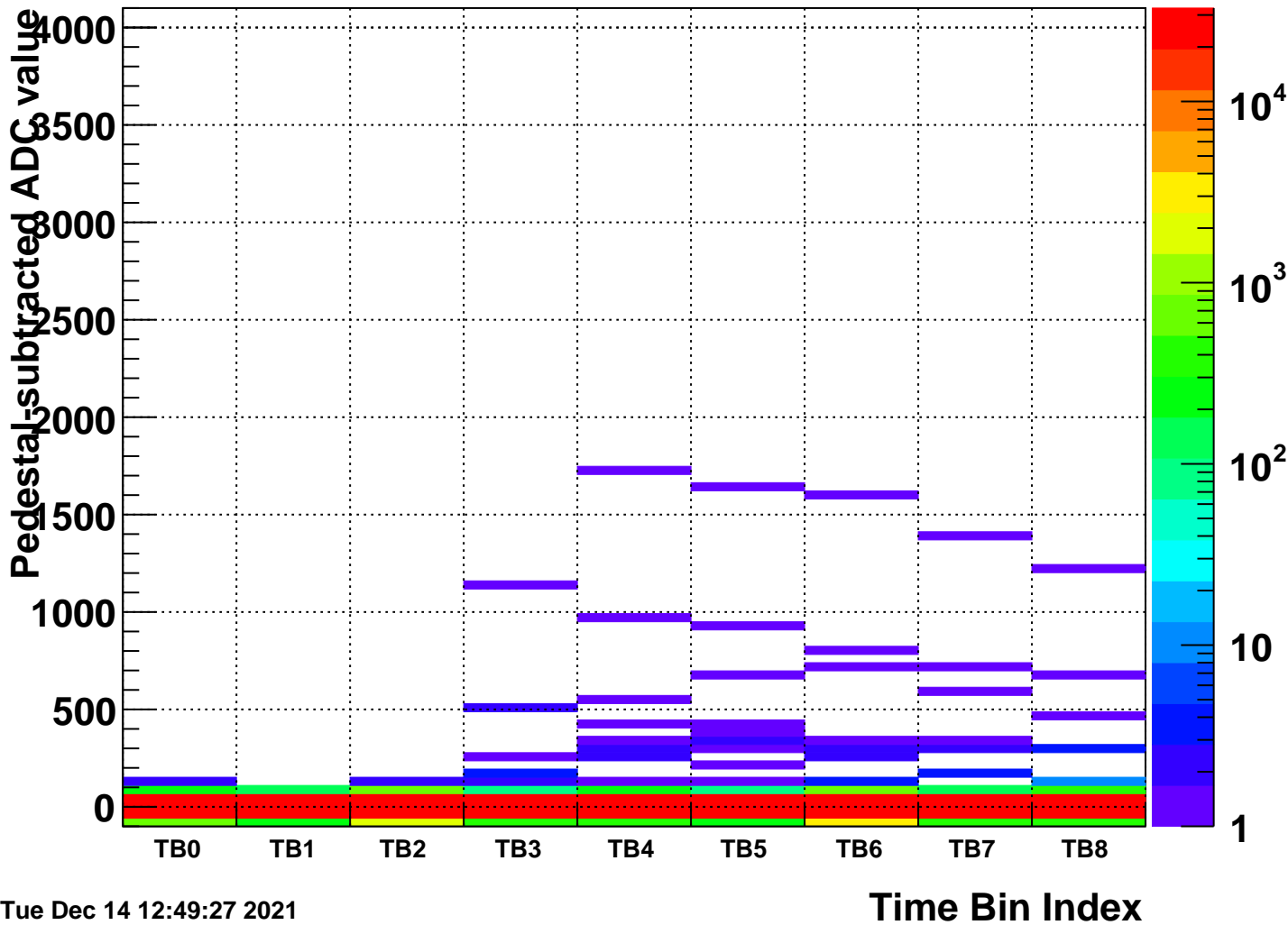


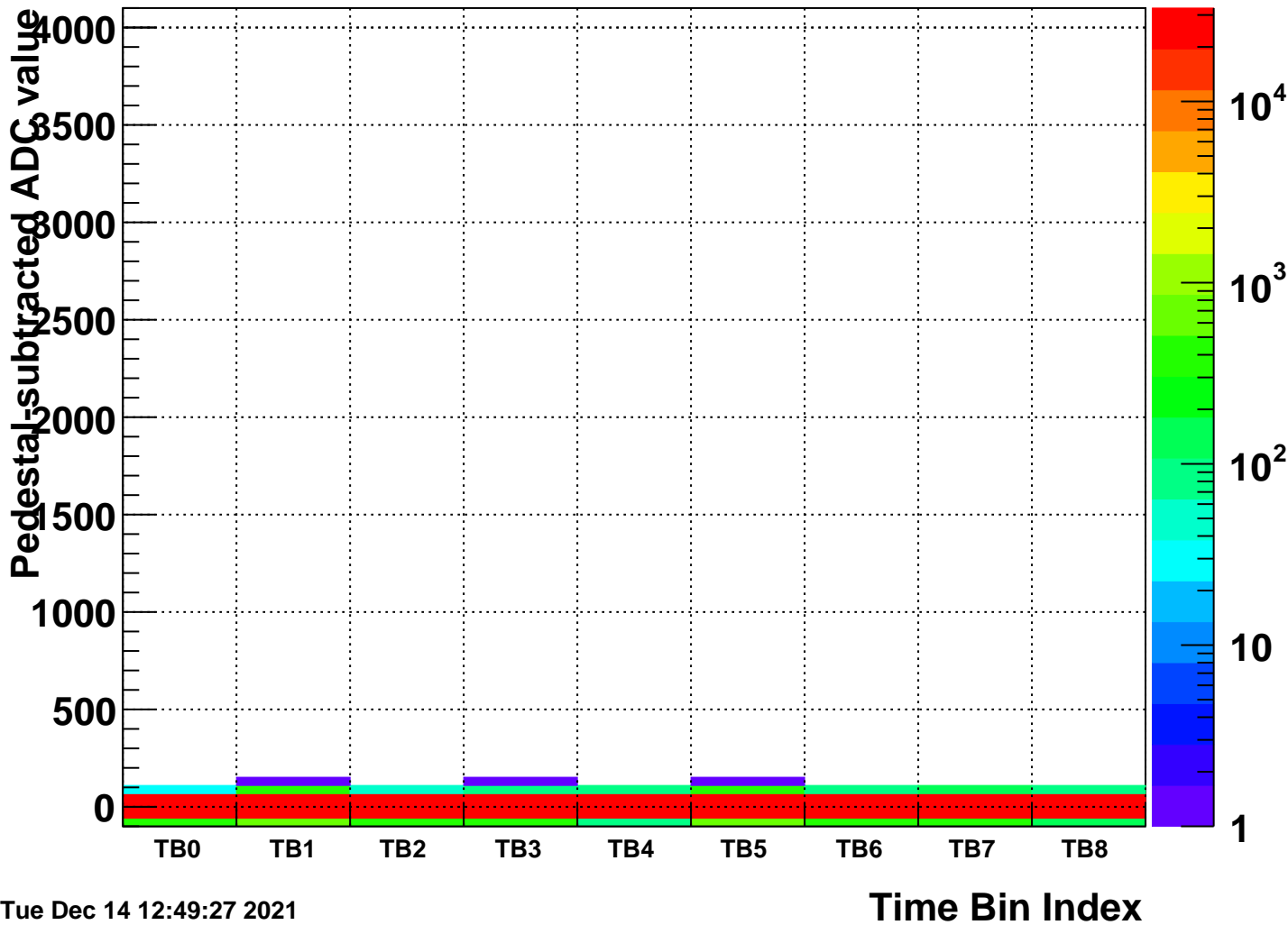


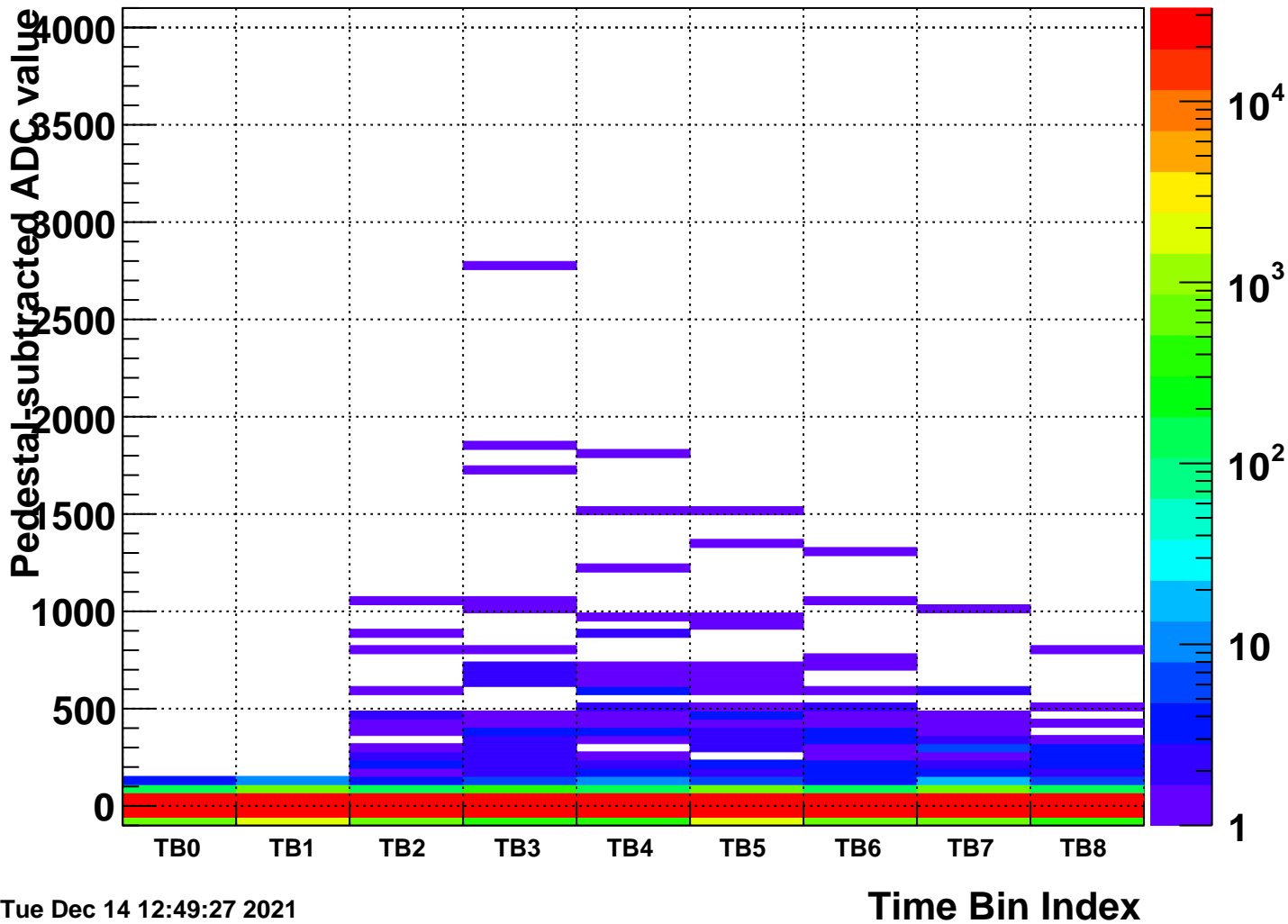


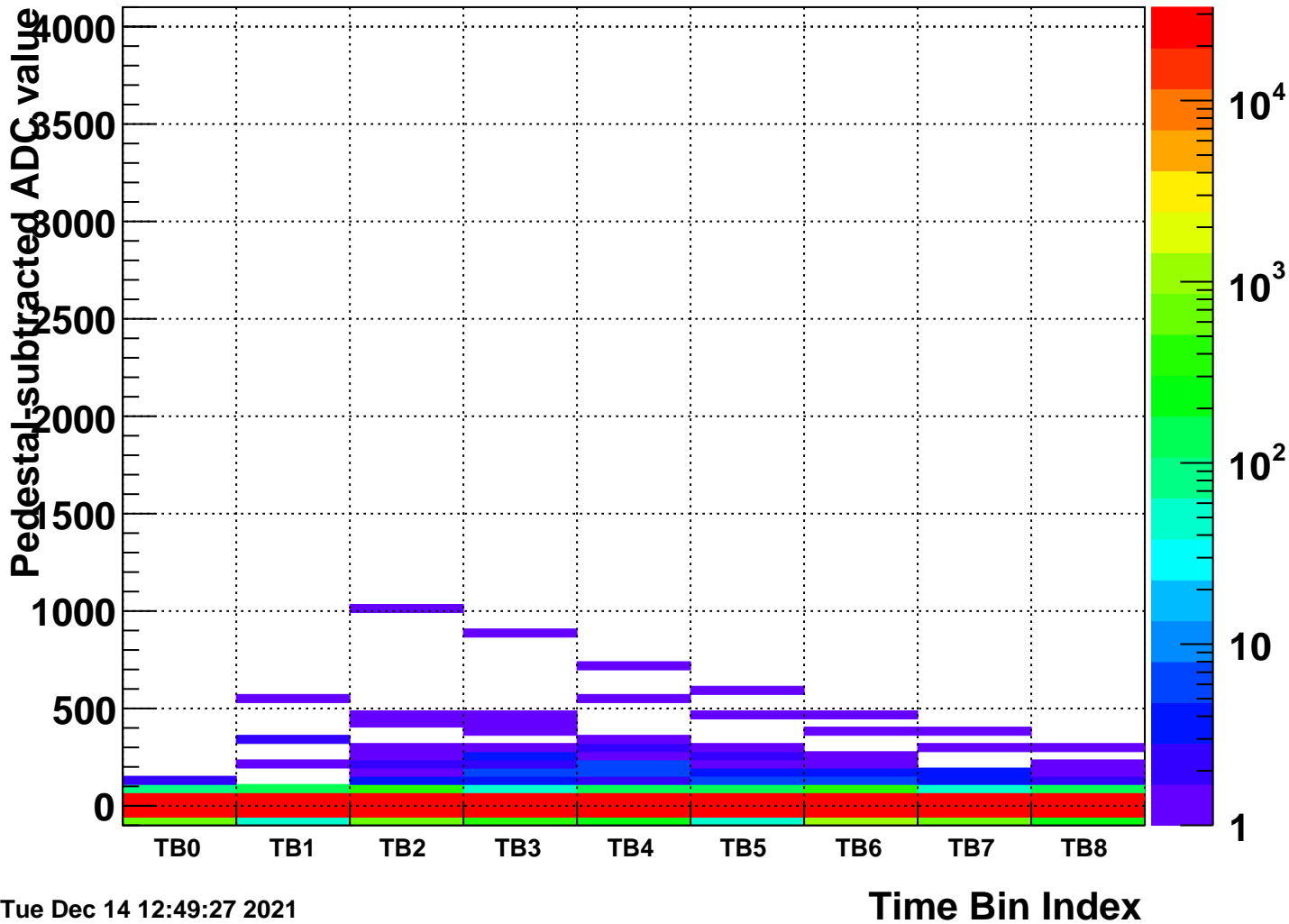


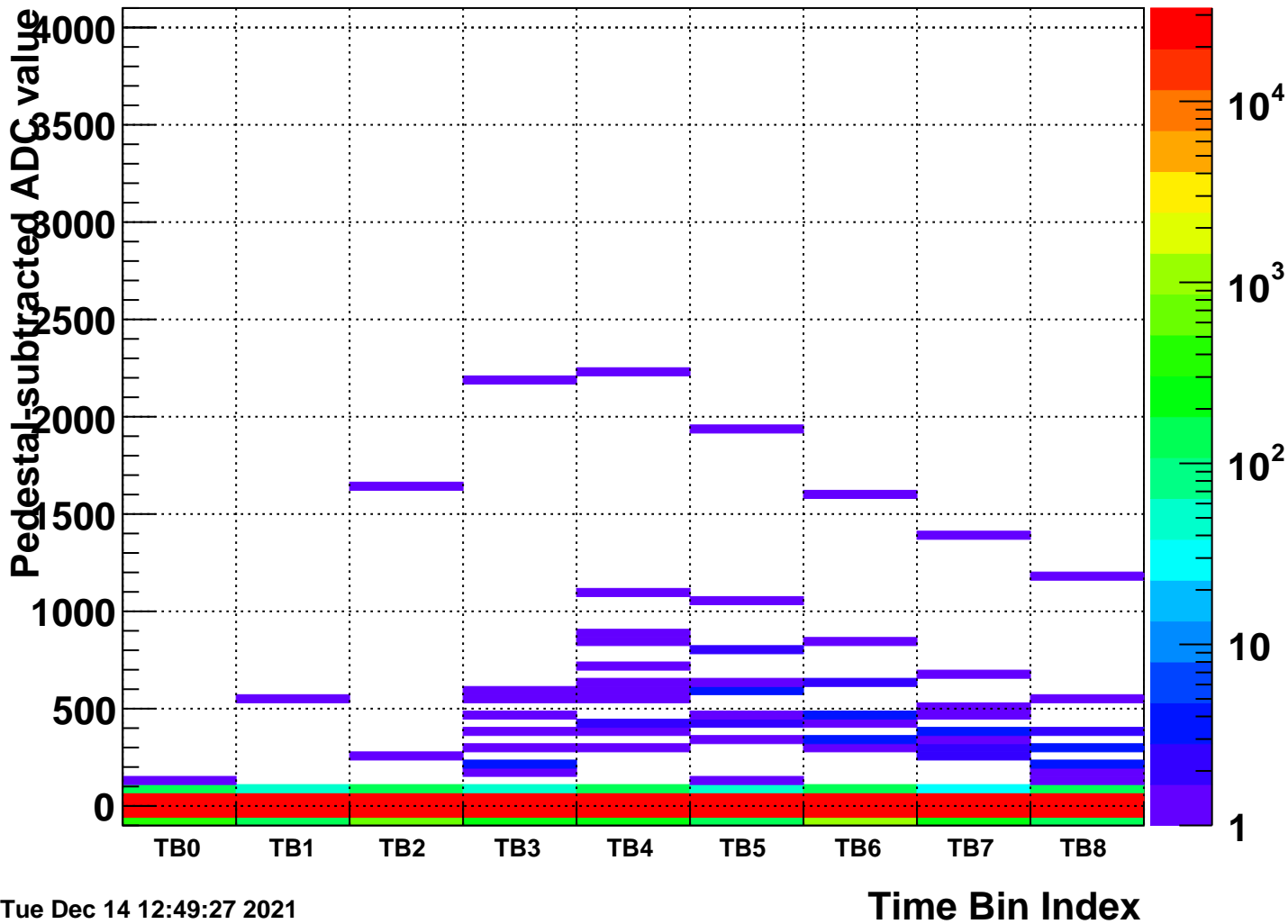


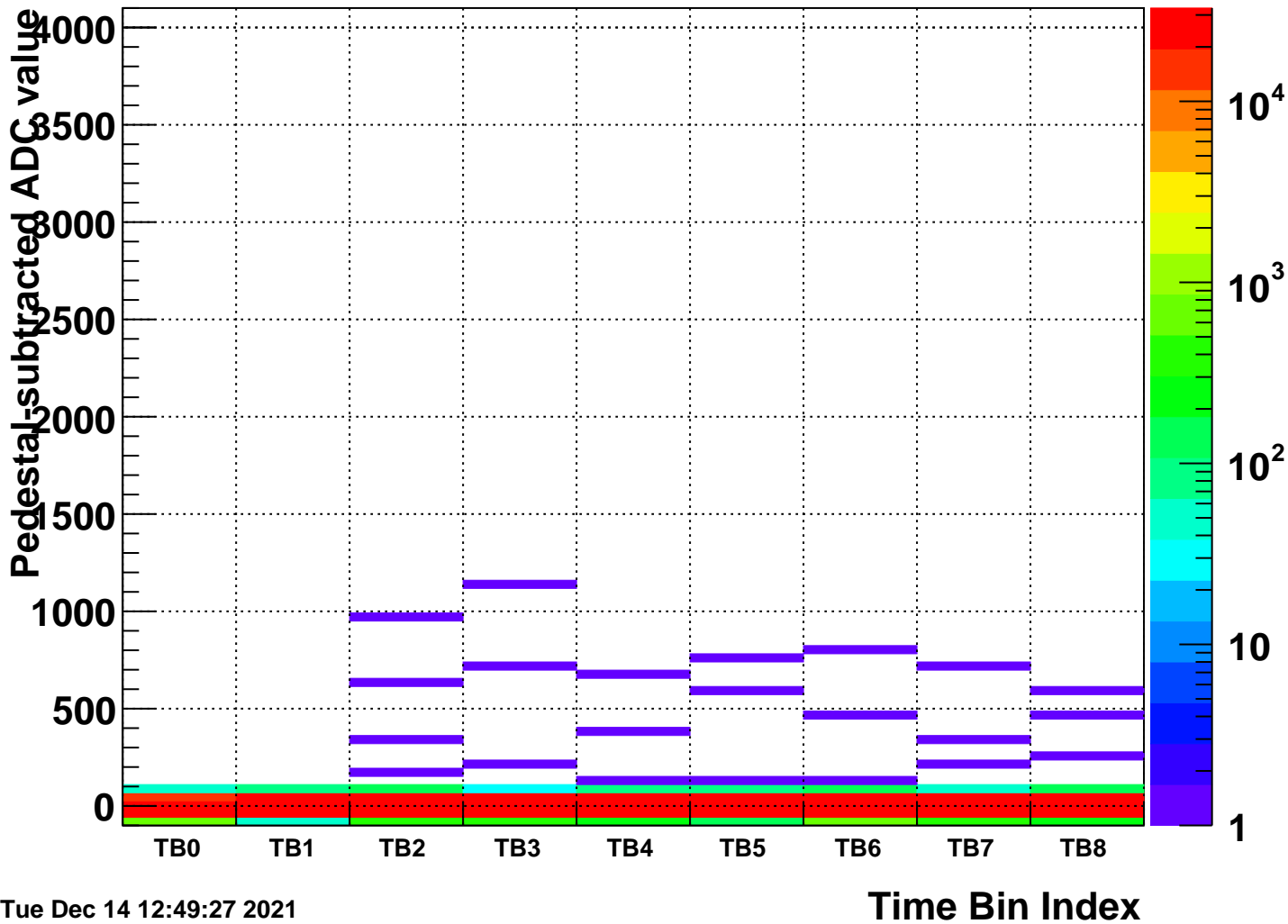


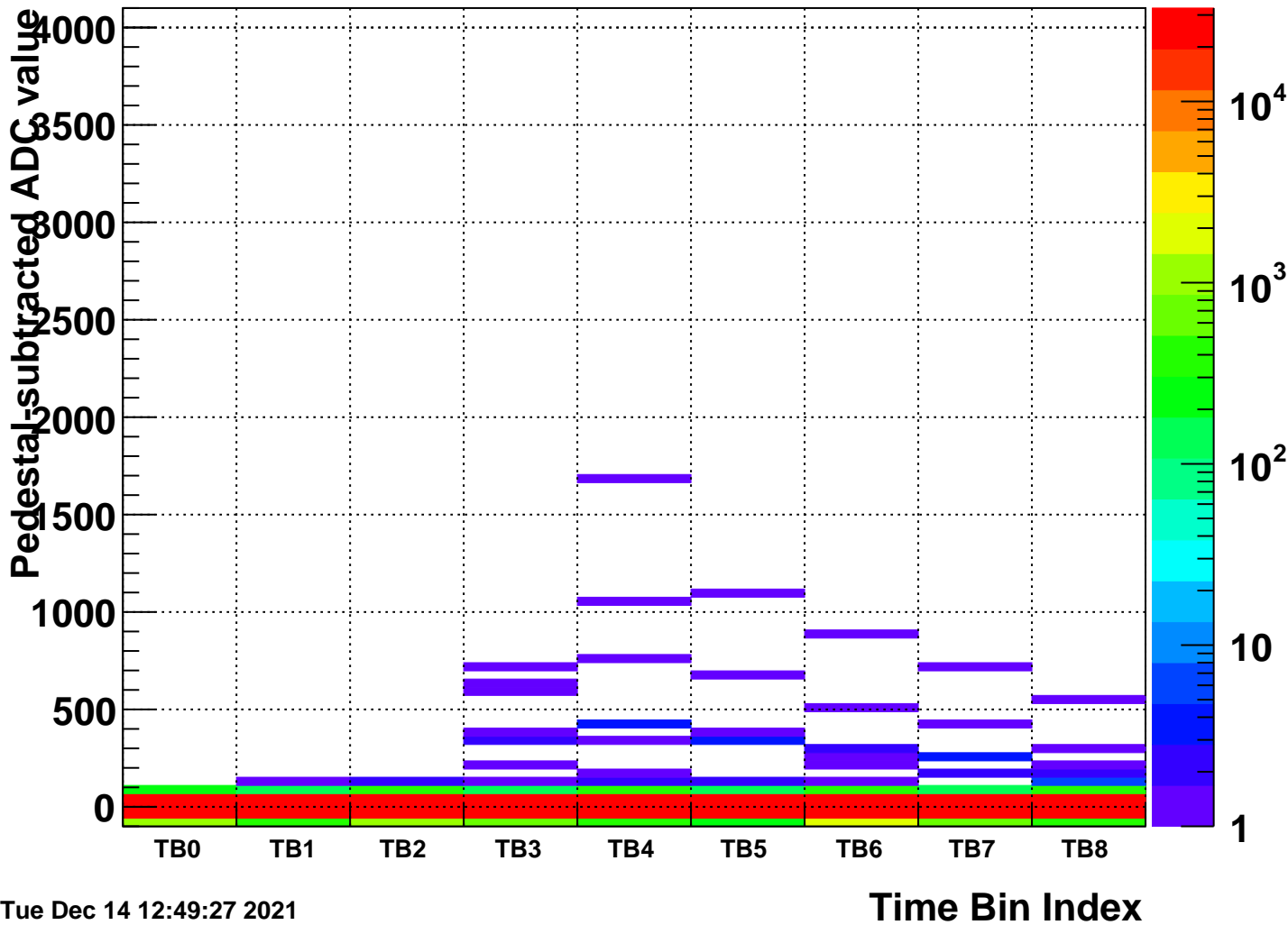


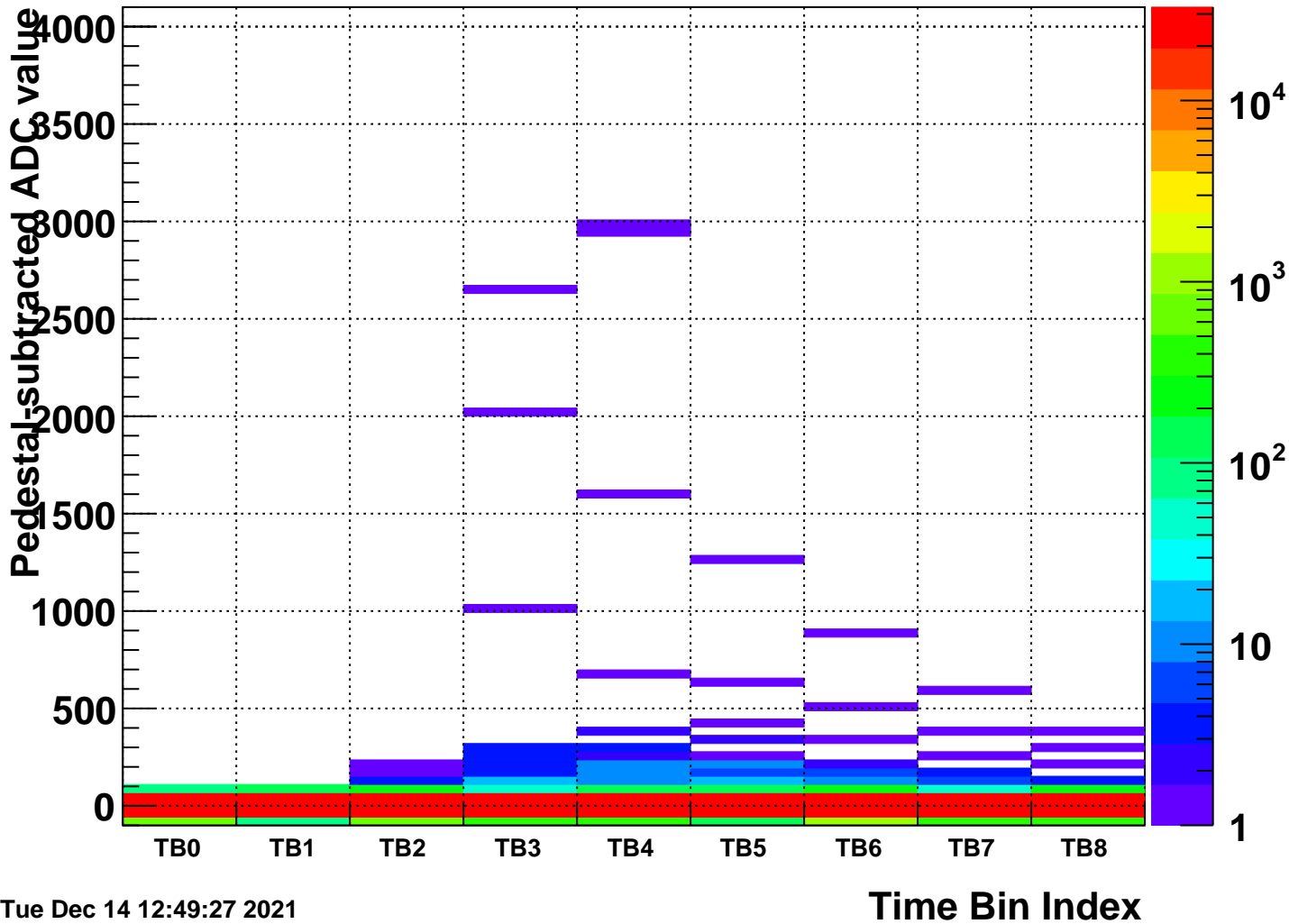




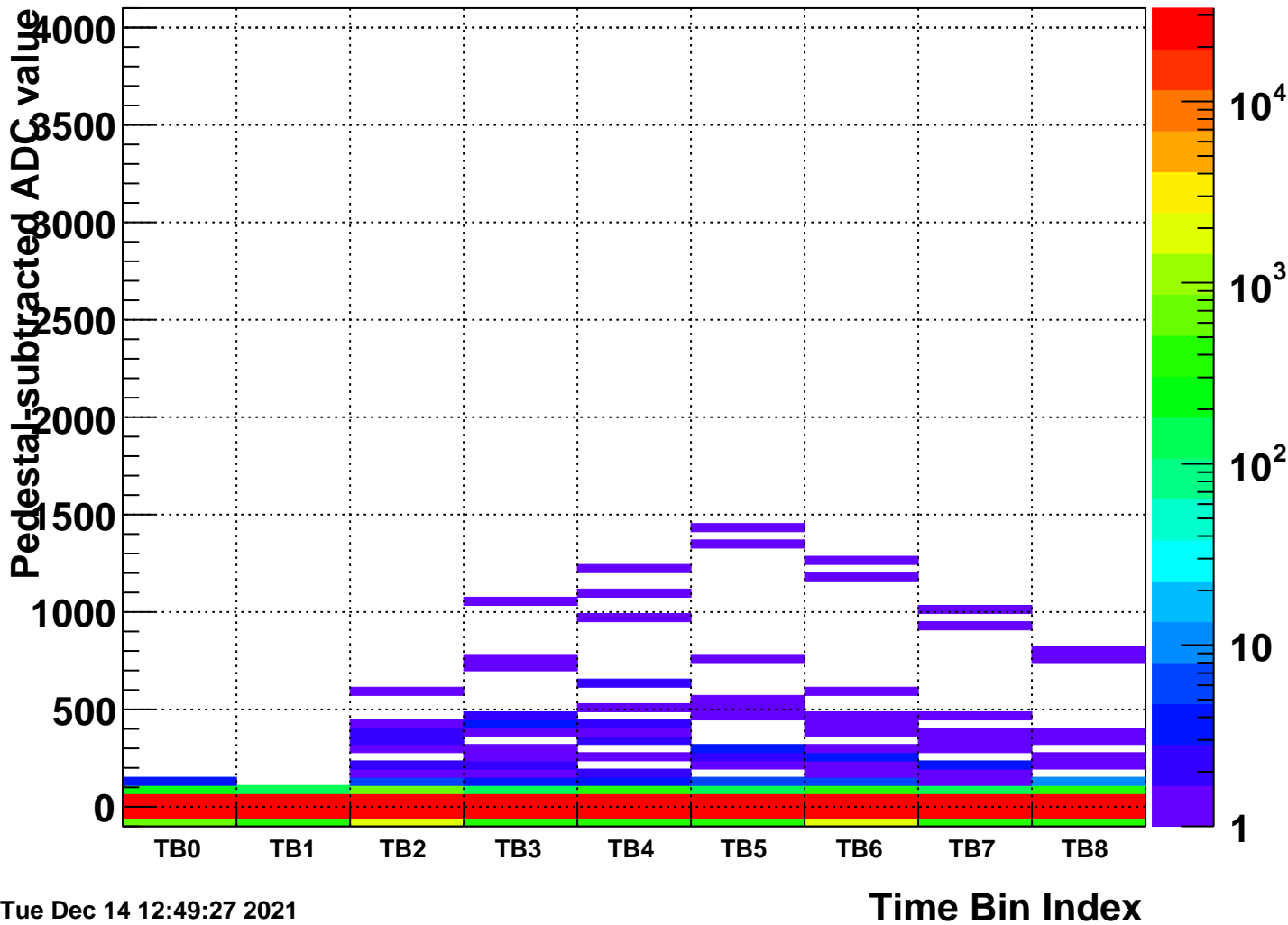


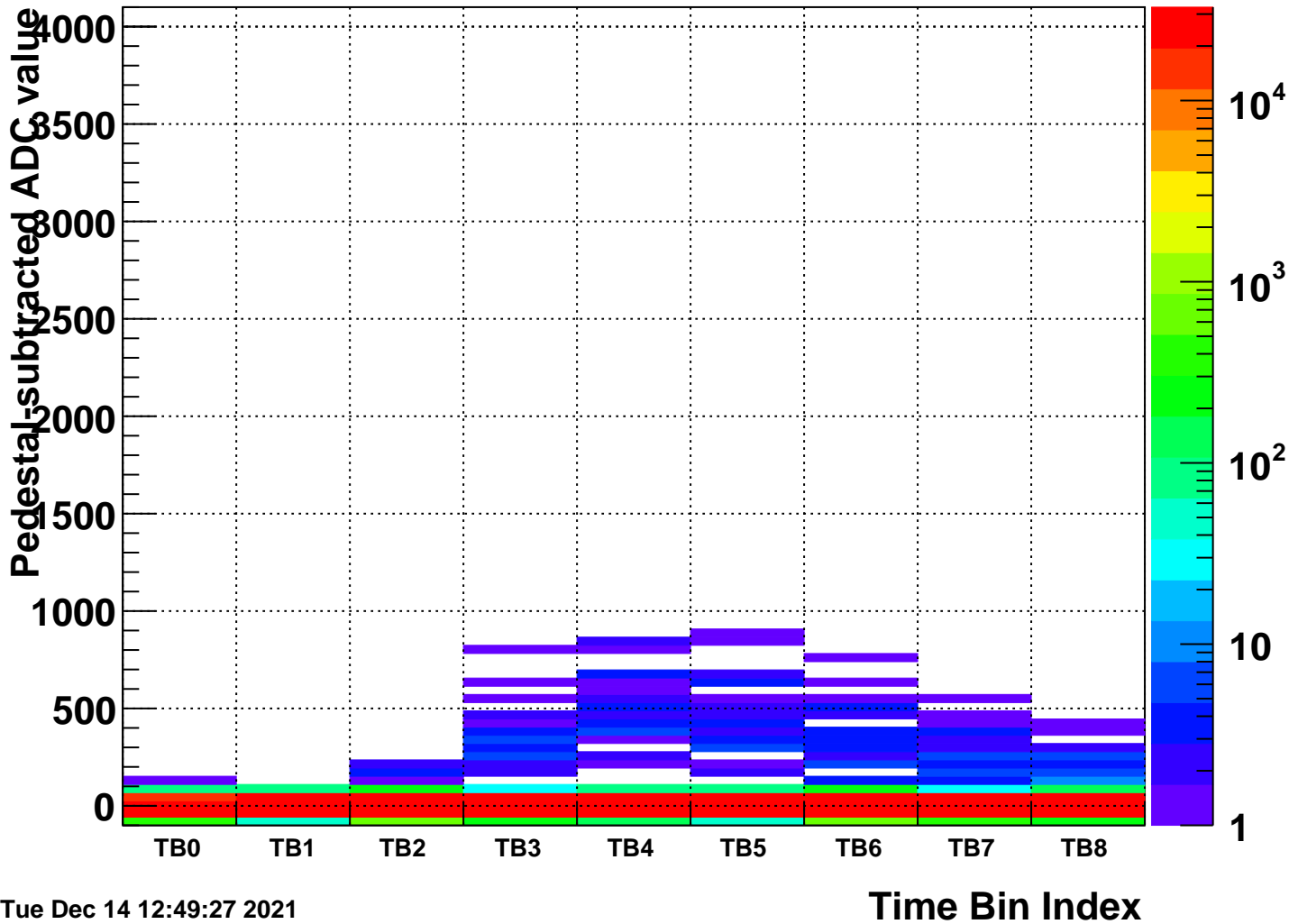


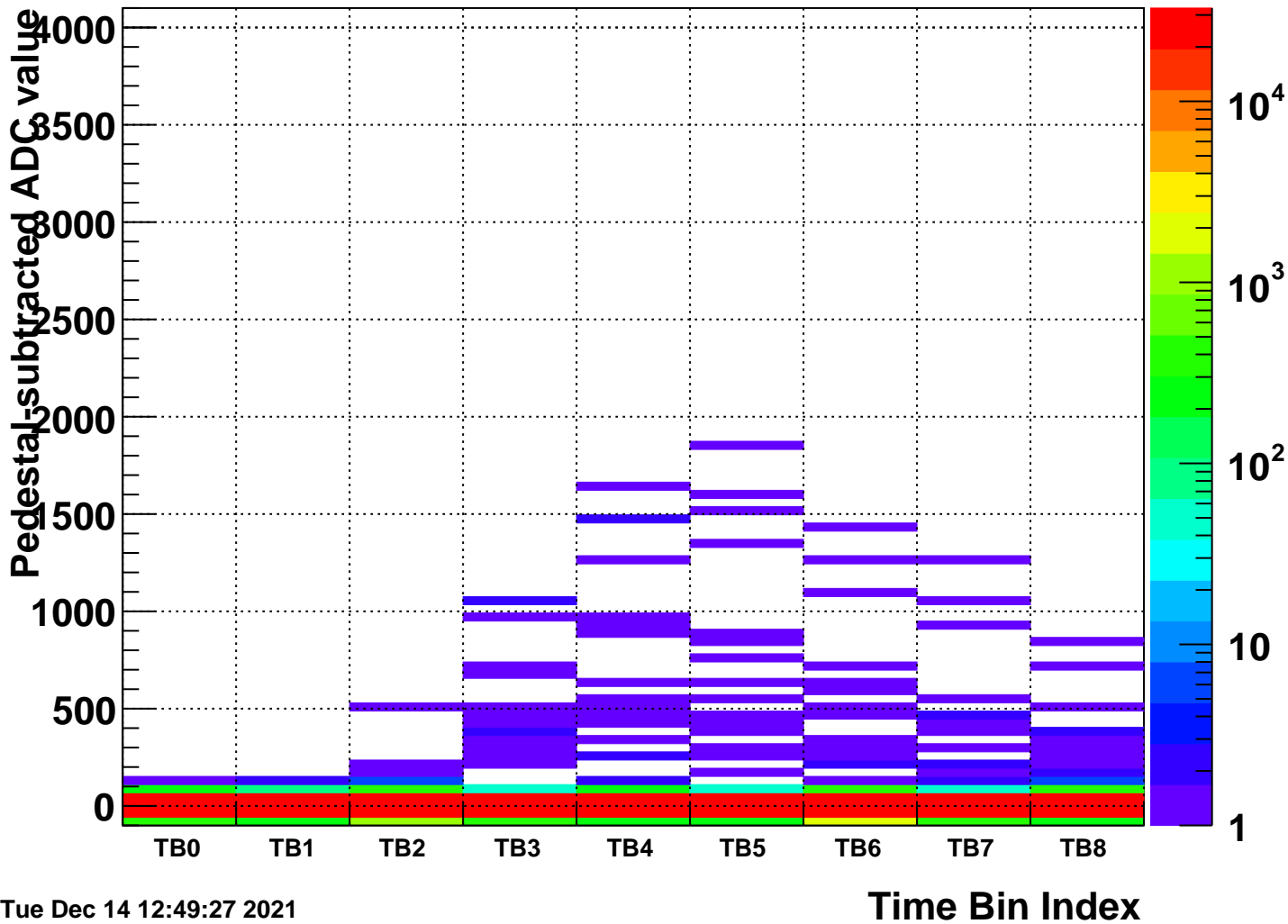


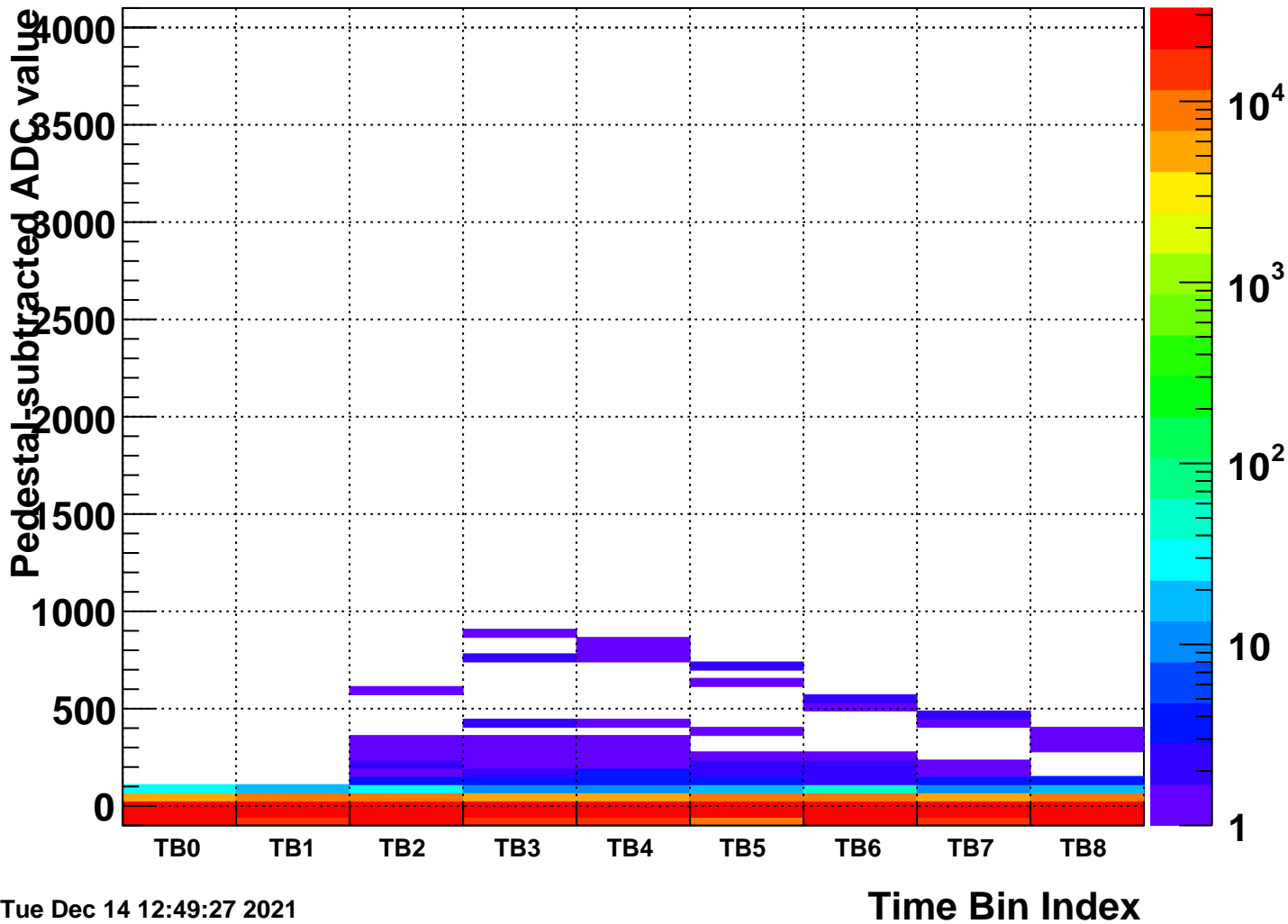


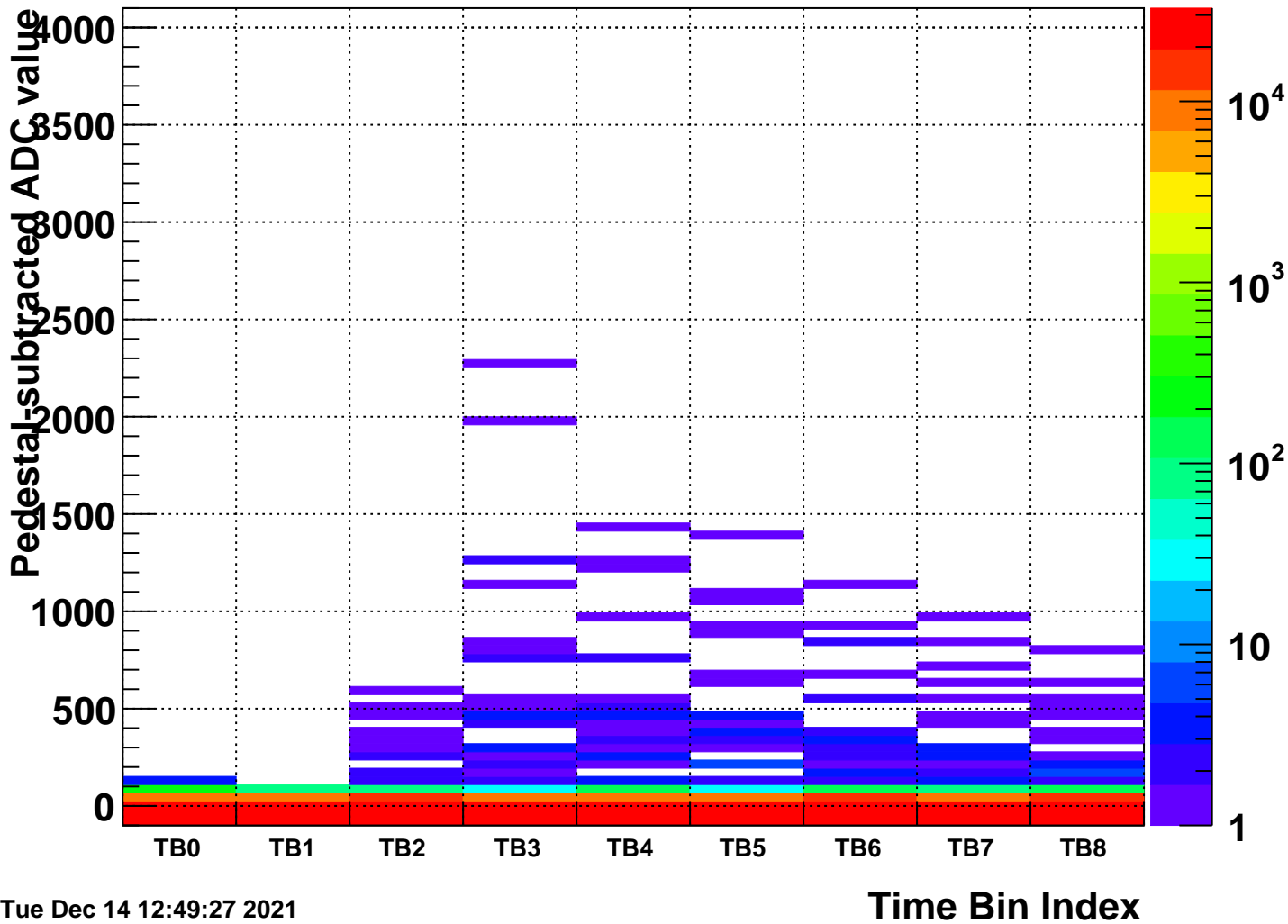


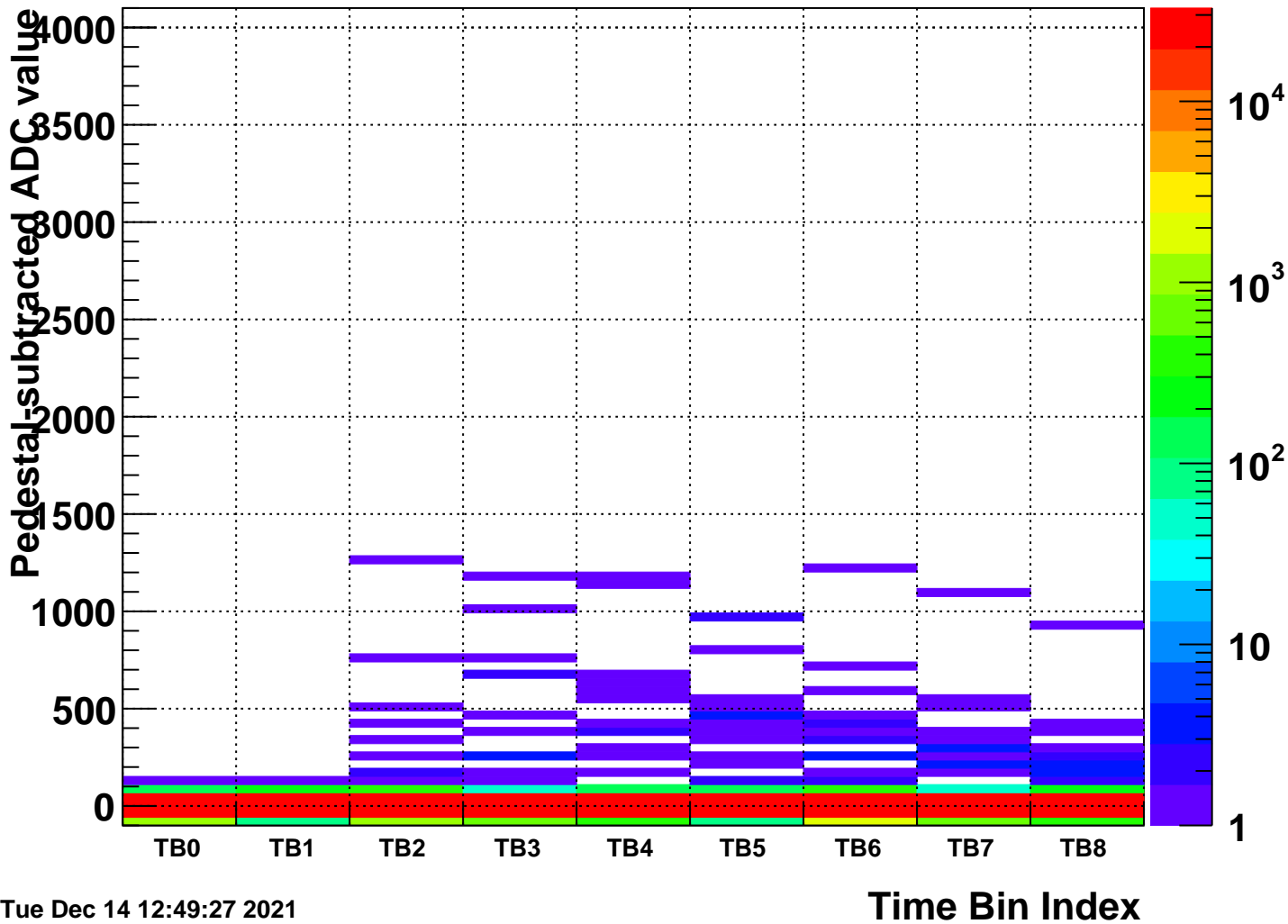


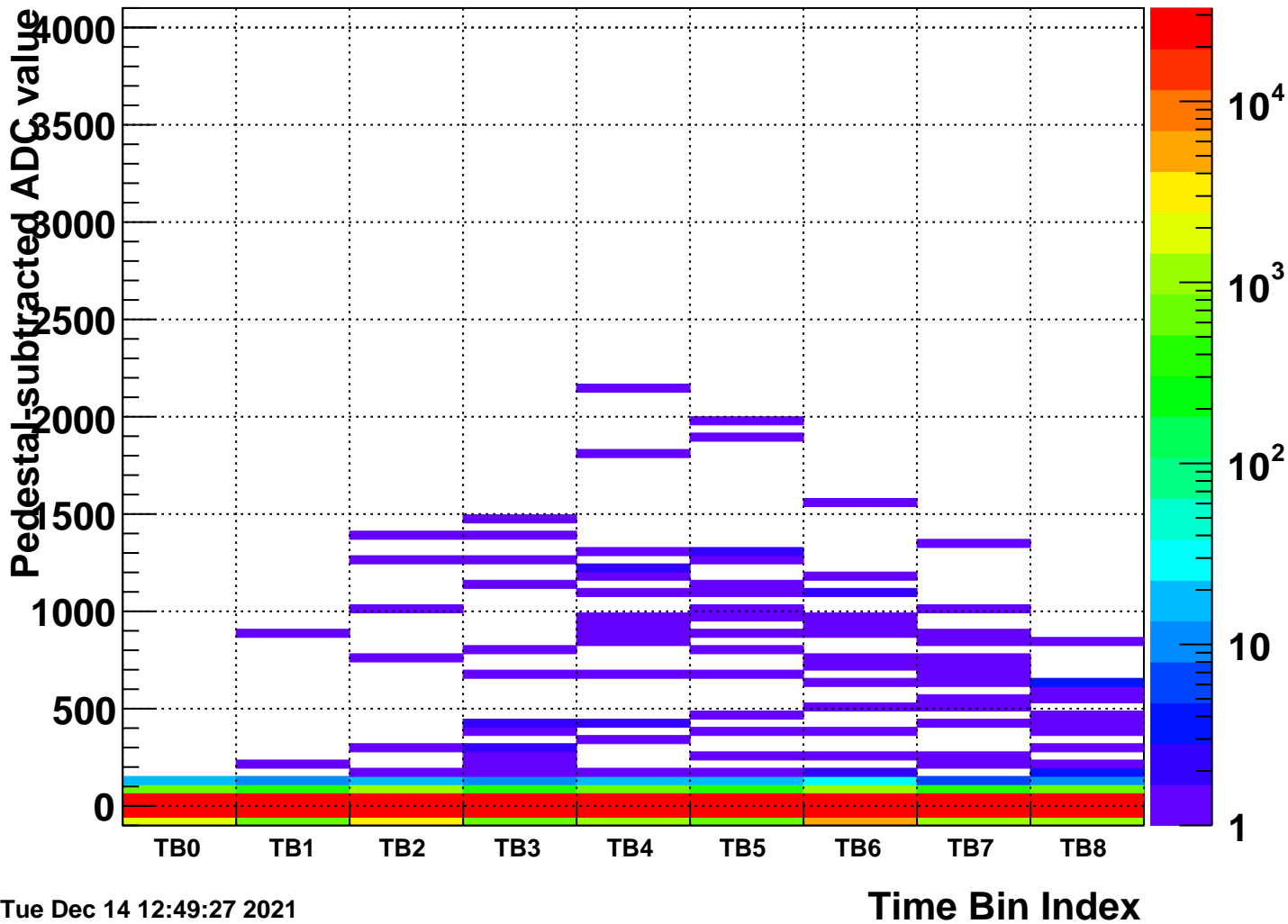












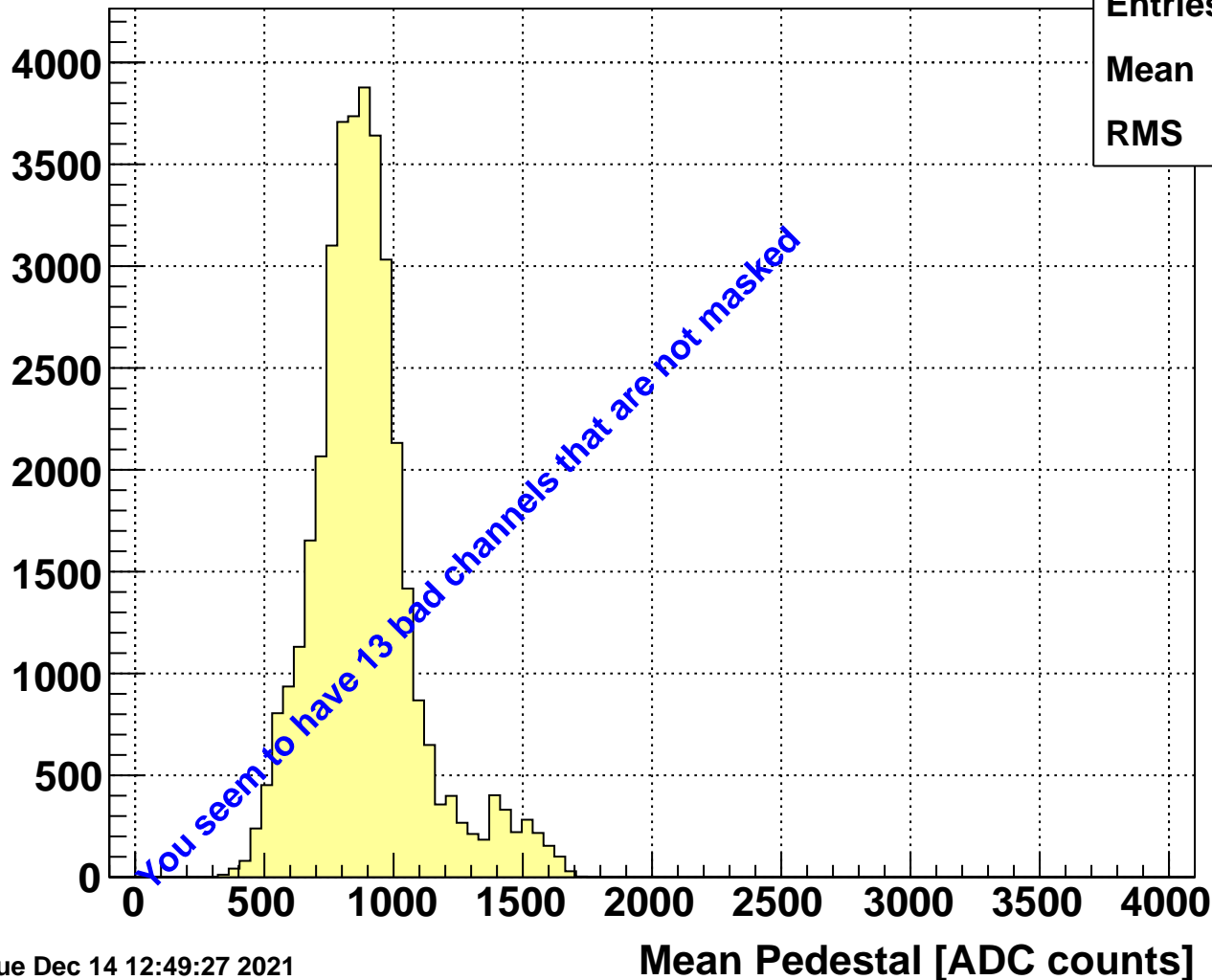
# FST - <Mean Pedestal>

## MeanPeds

Entries 36736

Mean 889.3

RMS 209





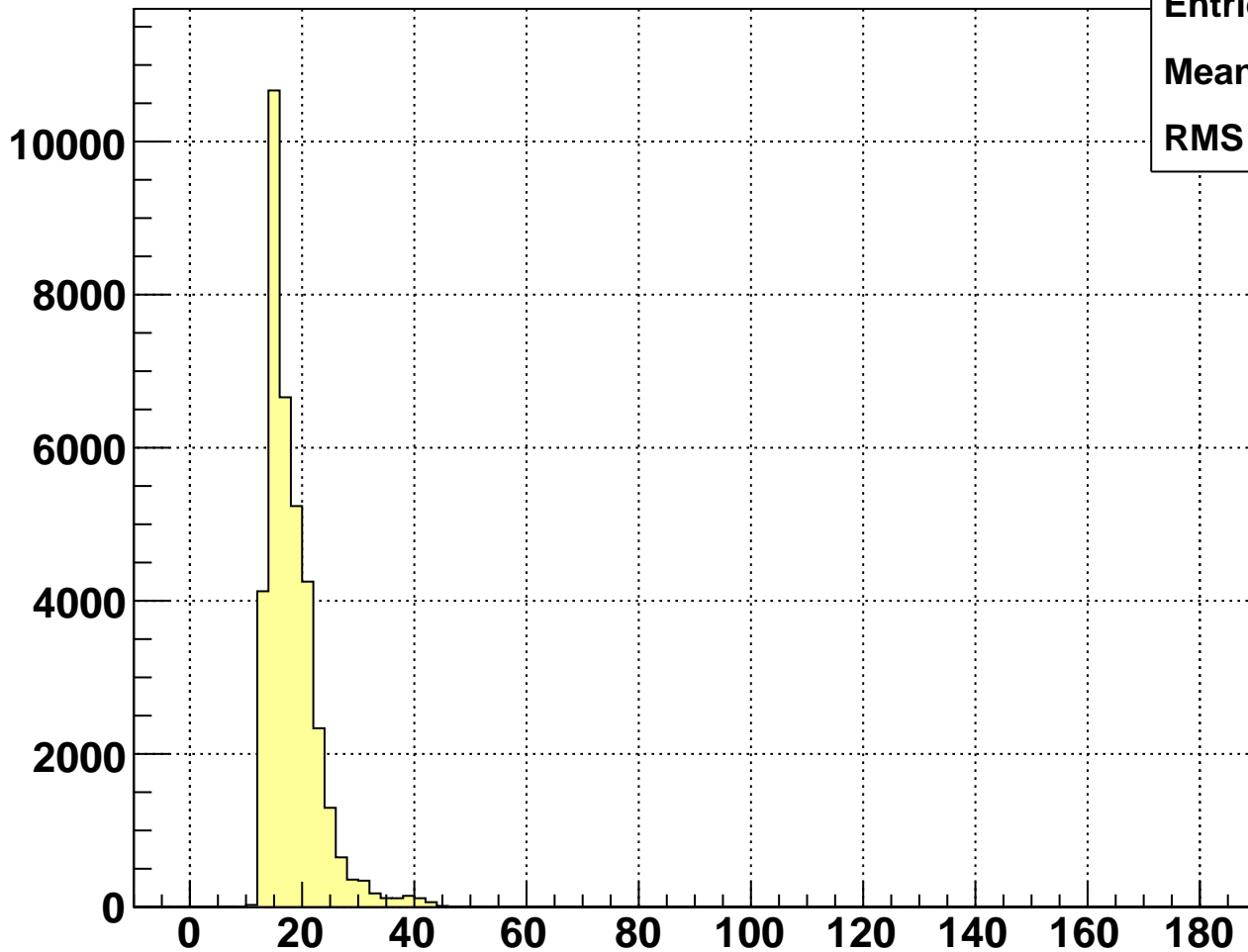
**FST - <RMS Pedestal>**

**MeanRMS**

**Entries** 36736

**Mean** 17.77

**RMS** 4.806



**RMS pedestal [ADC counts]**

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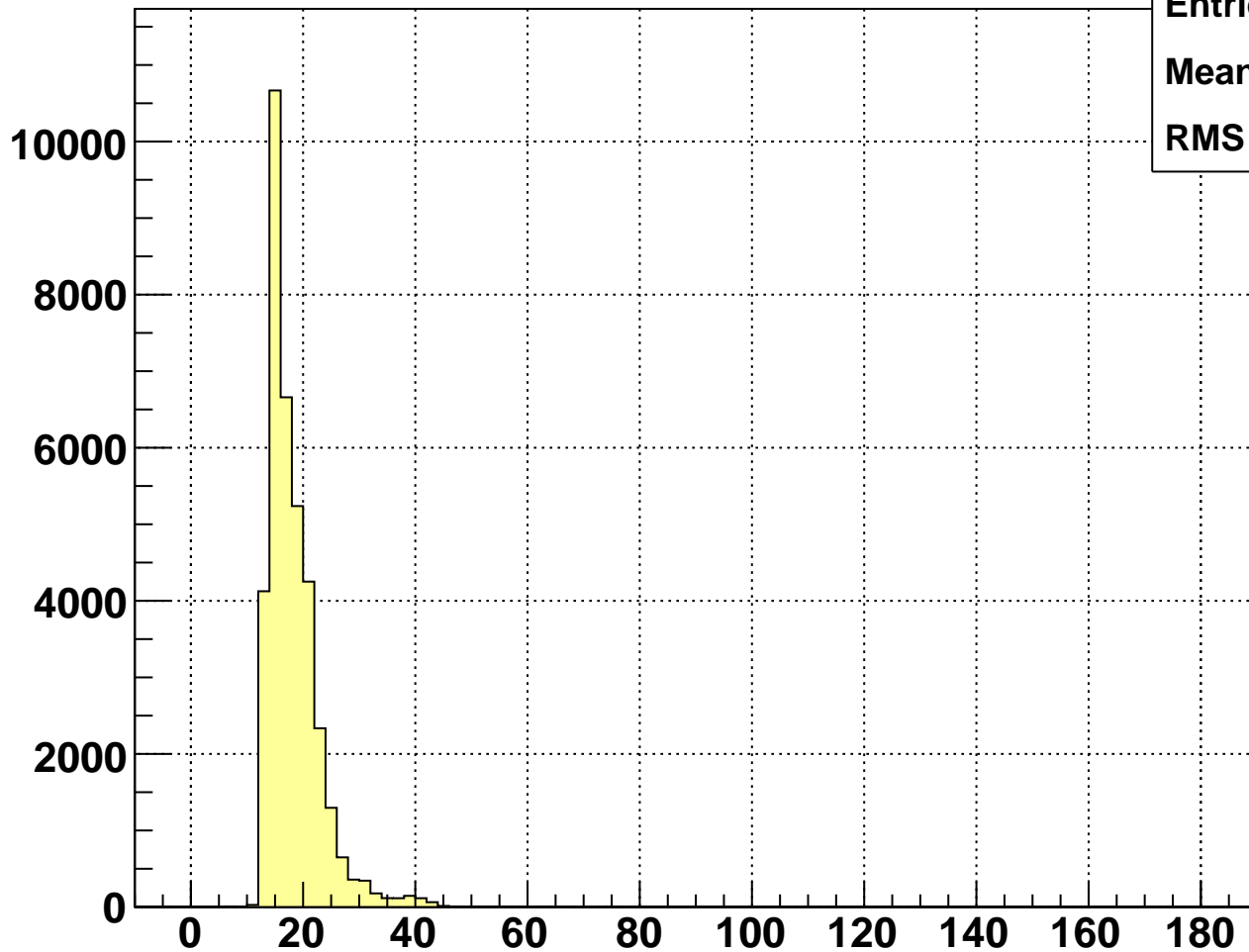
# FST - <Random RMS>

MeanRandomRMS

Entries 36736

Mean 17.77

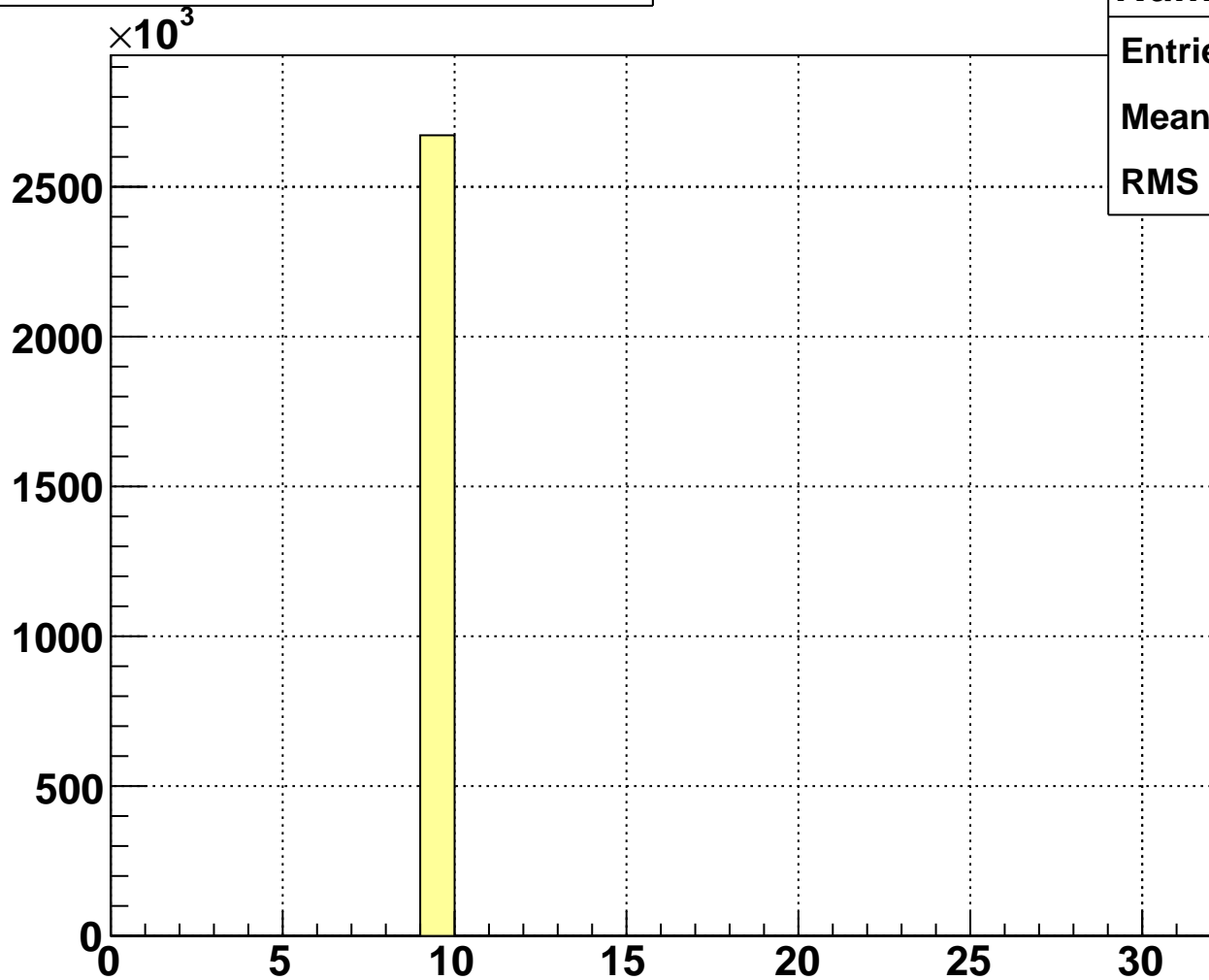
RMS 4.806



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Random RMS [ADC counts]

# FST - Number of Time Bins



**NumberOfTB**

**Entries** 2671920

**Mean** 9

**RMS** 0

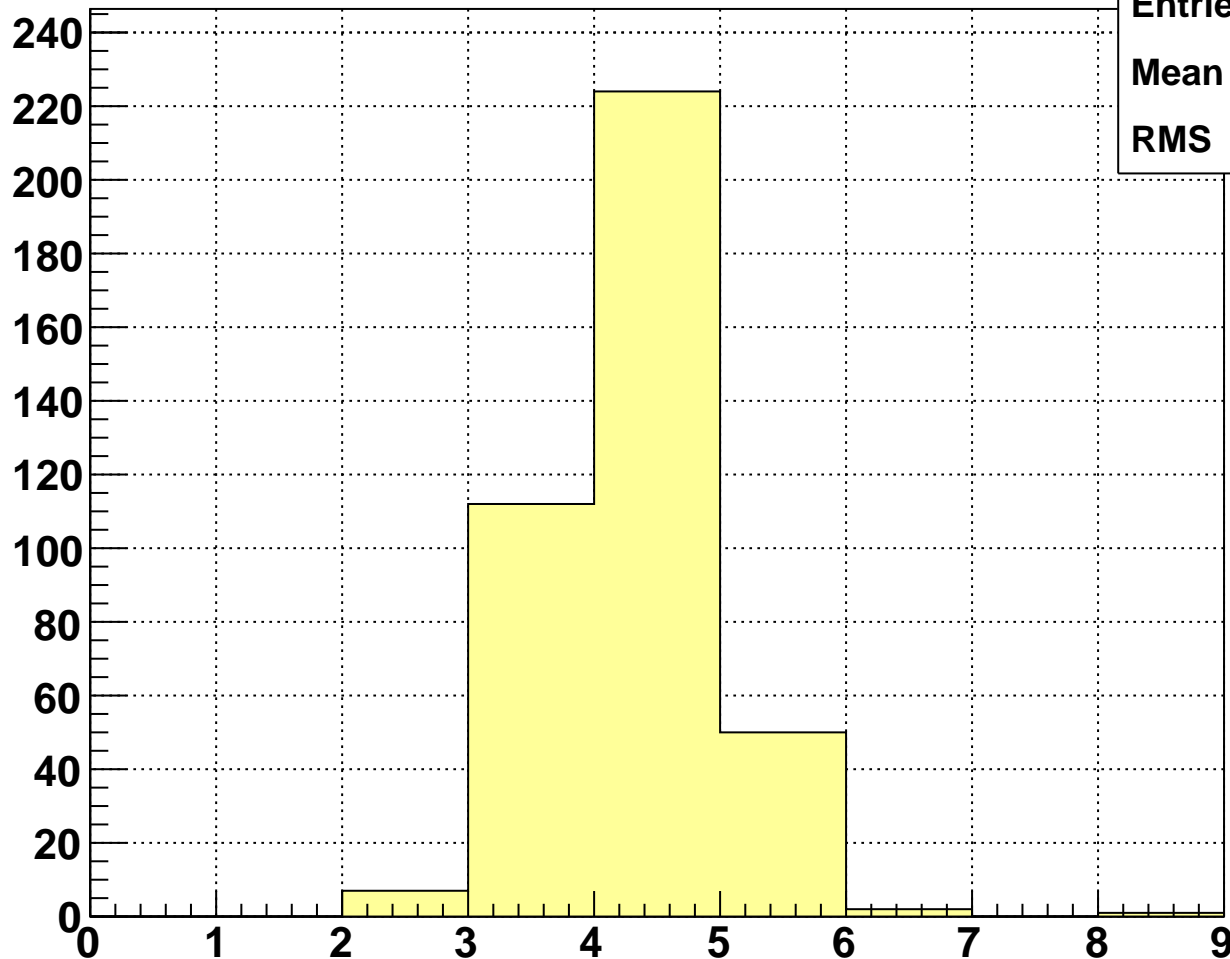
# FST - Max ADC Time Bin (non-ZS)

MaxTimeBin\_nonZS

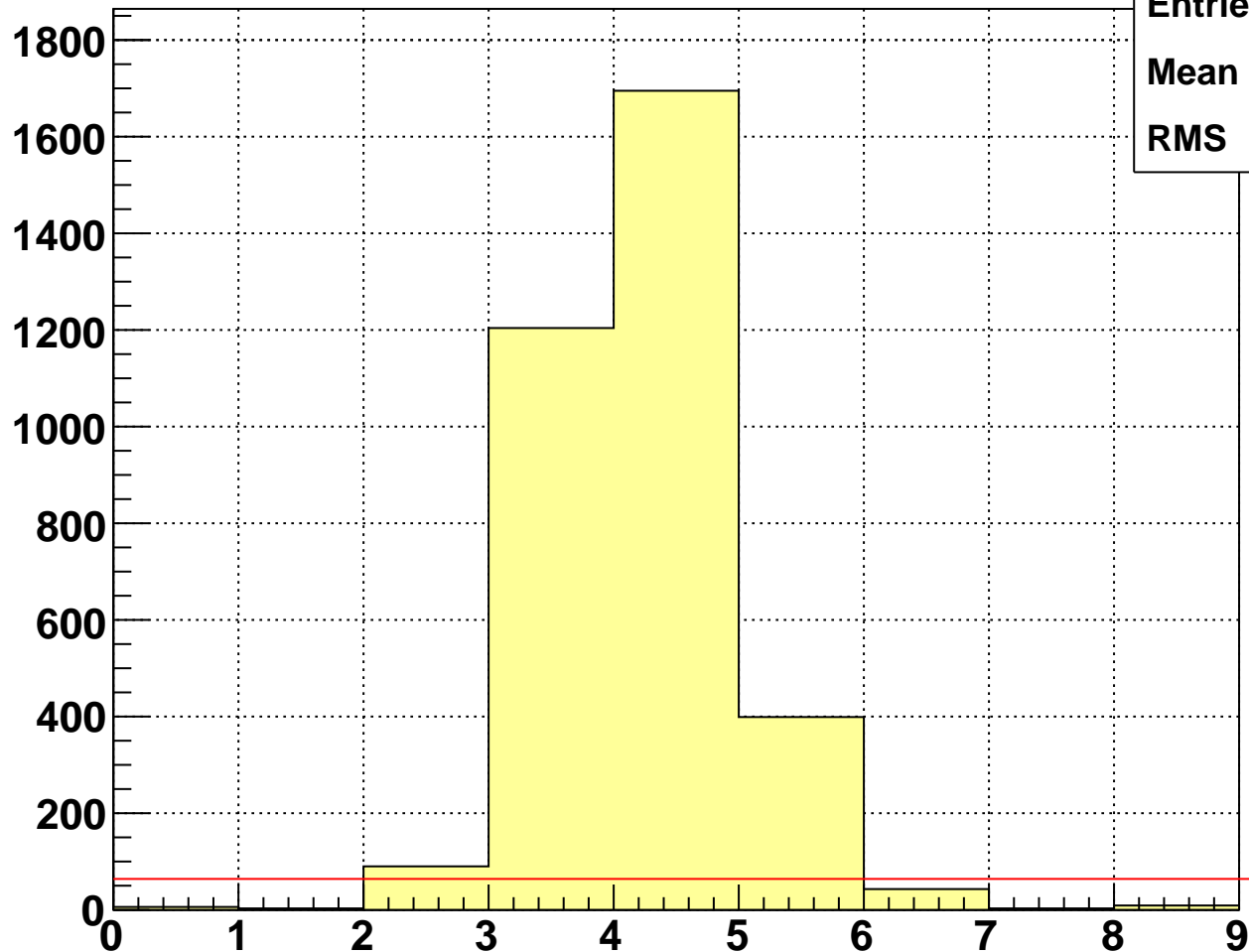
Entries 396

Mean 3.828

RMS 0.7148



# FST - Max ADC Time Bin (ZS)



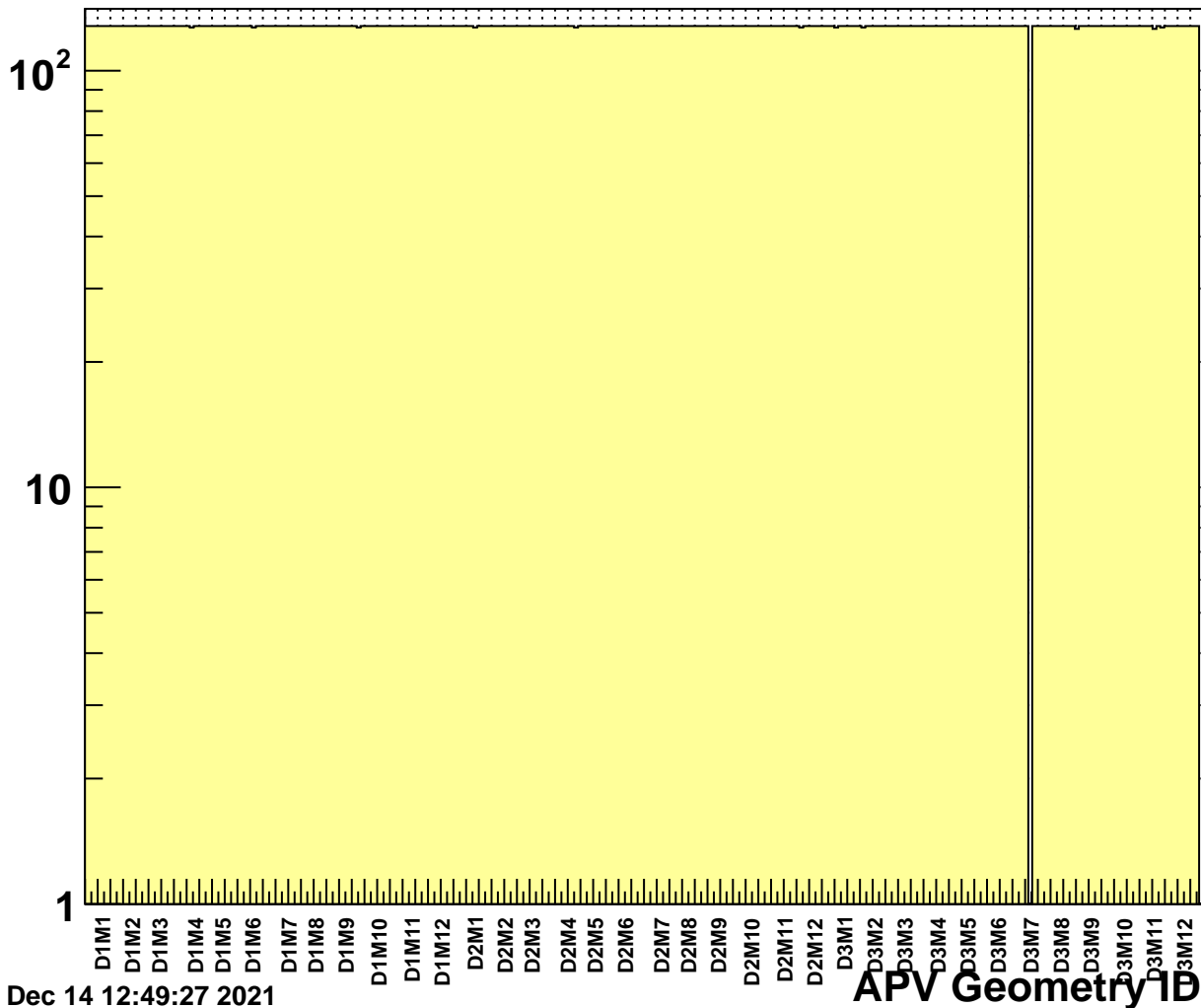
MaxTimeBin\_ZS

Entries 3452

Mean 3.743

RMS 0.7985

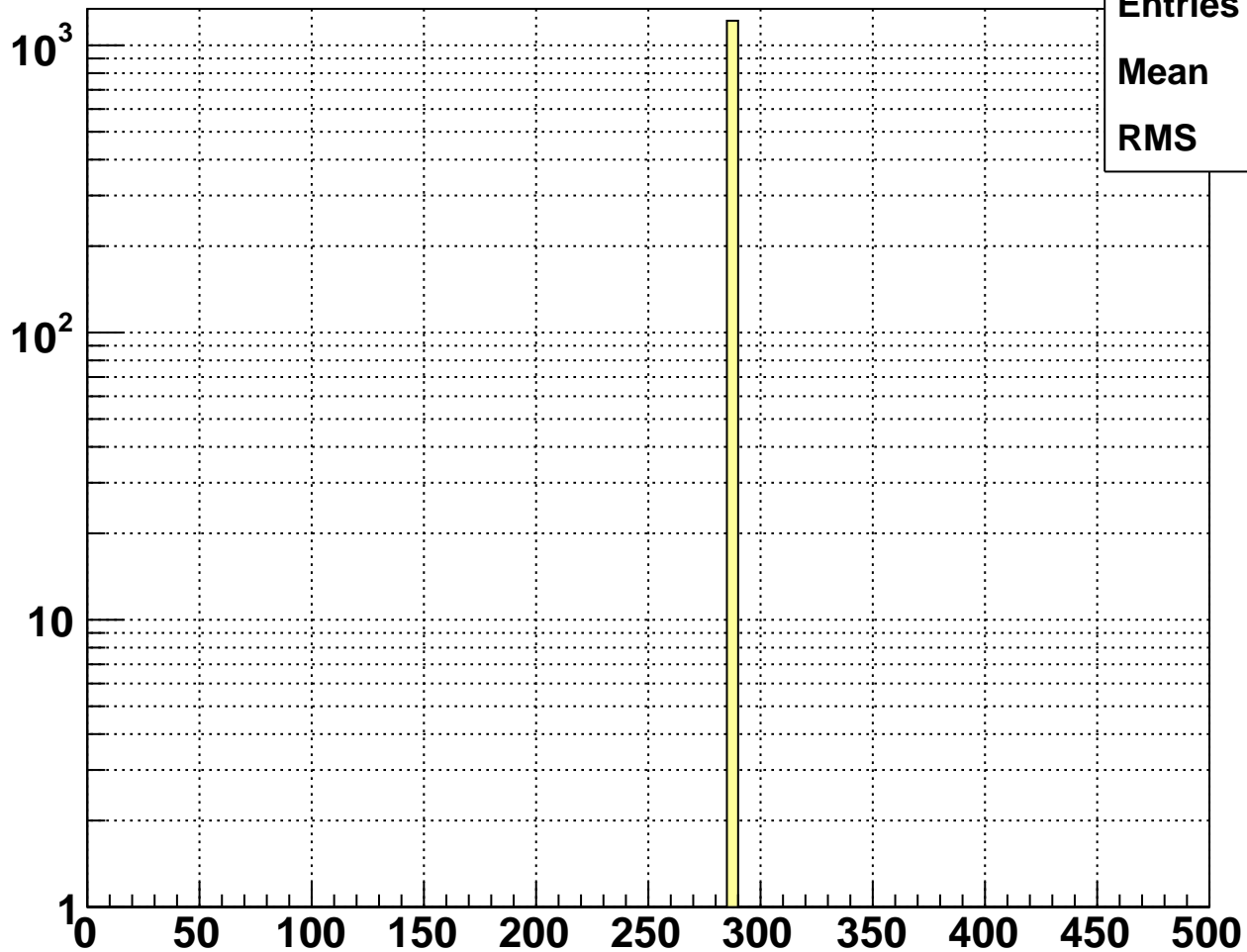
# FST - Good Channels per APV



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APV Geometry ID

# FST - Visible APVs Frequency



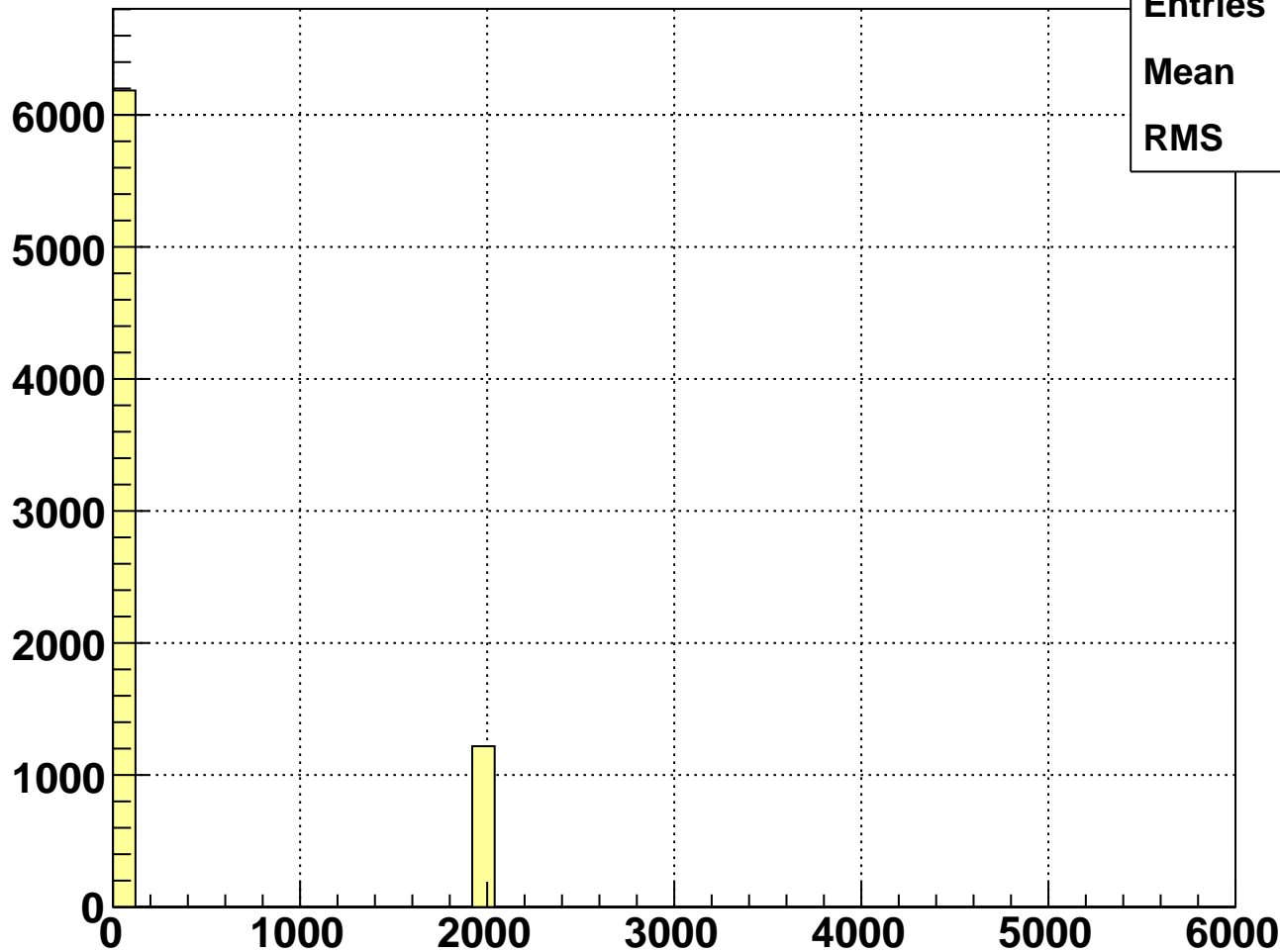
## VisibleAPV

Entries	1218
Mean	287
RMS	0

## FST - Event Size

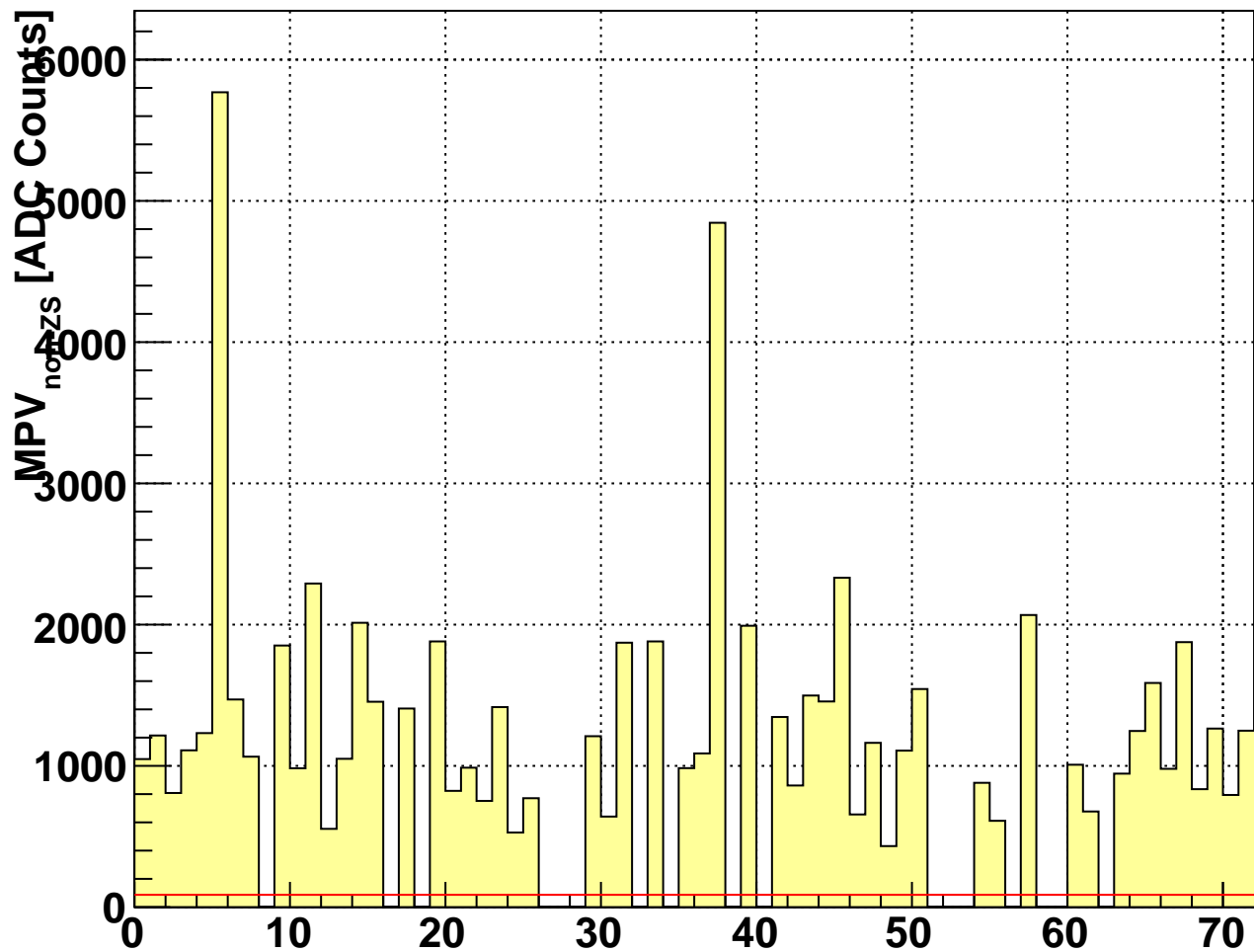
## FSTEventSize

Entries	7403
Mean	326.9
RMS	714.5

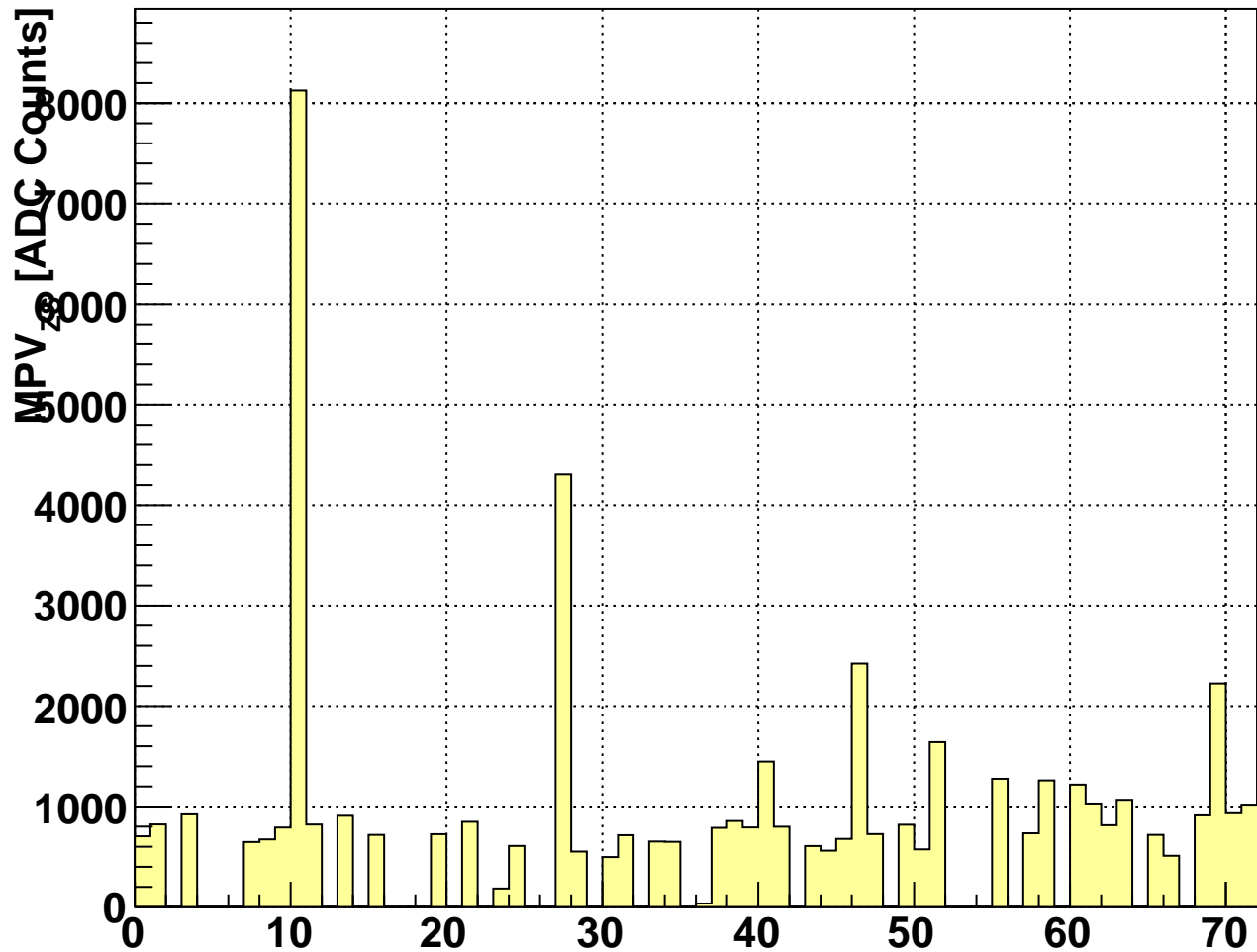




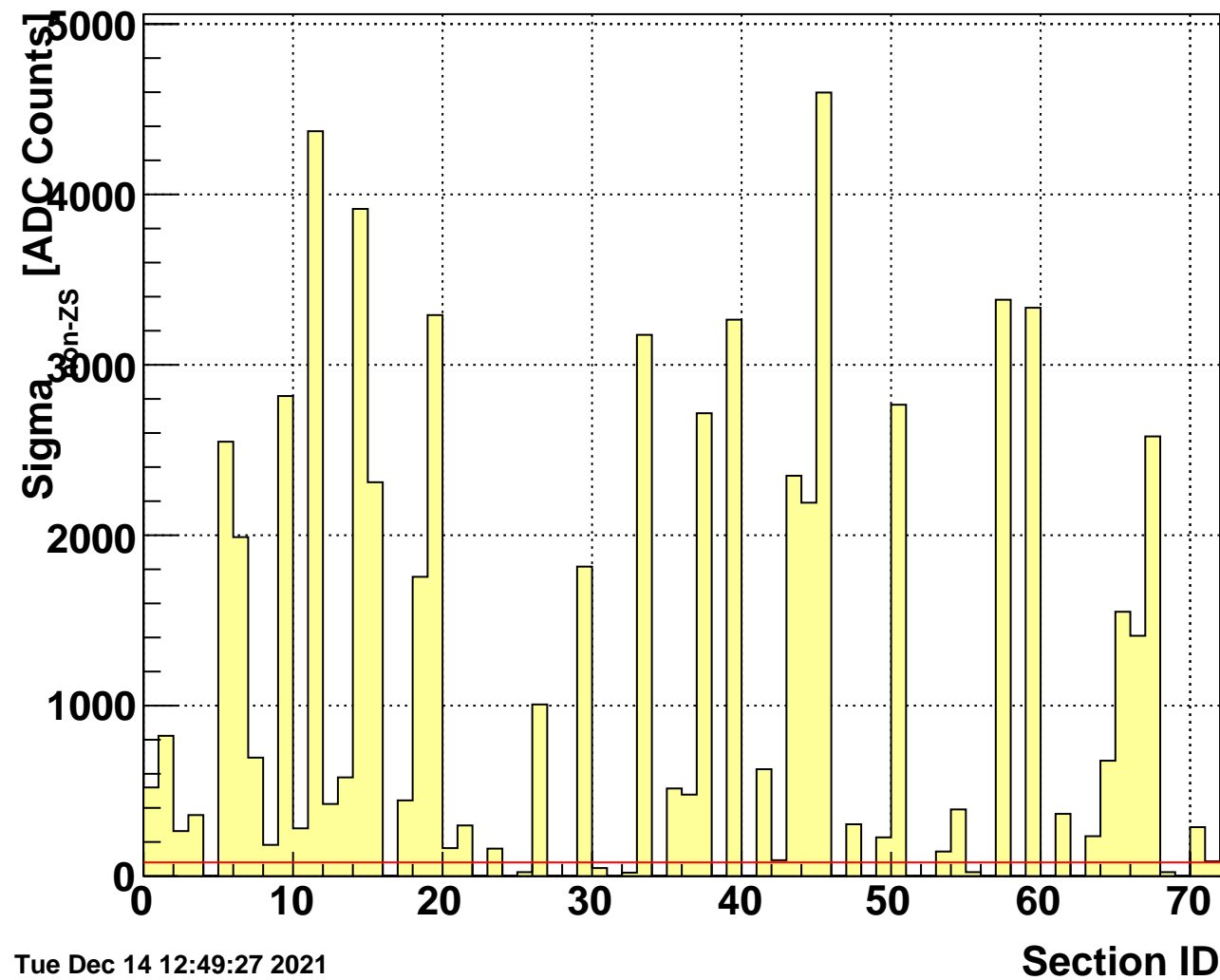
# FST - MPV vs Section Id (non-ZS)



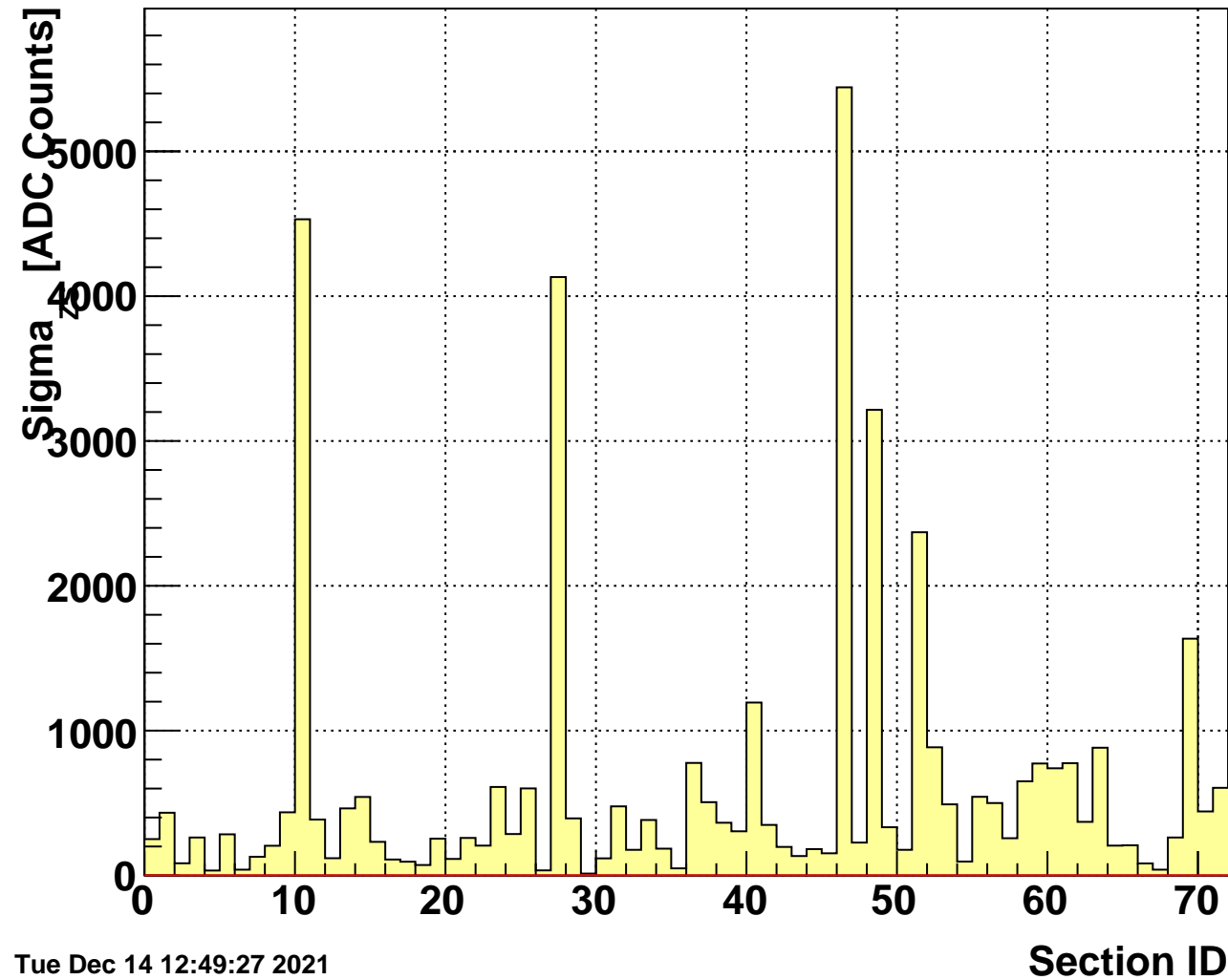
# FST - MPV vs Section Id (ZS)



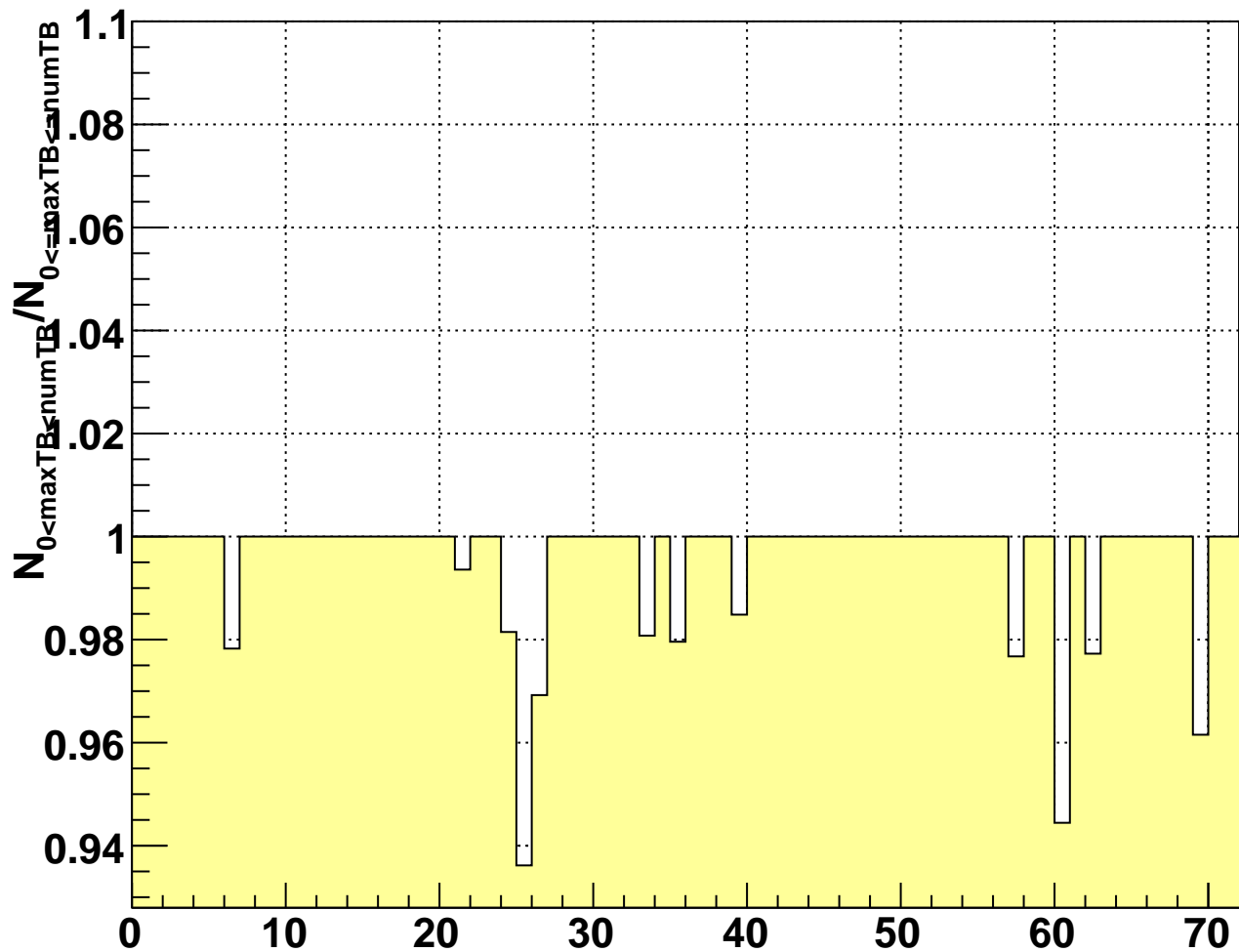
# FST - Sigma vs Section Id (non-ZS)



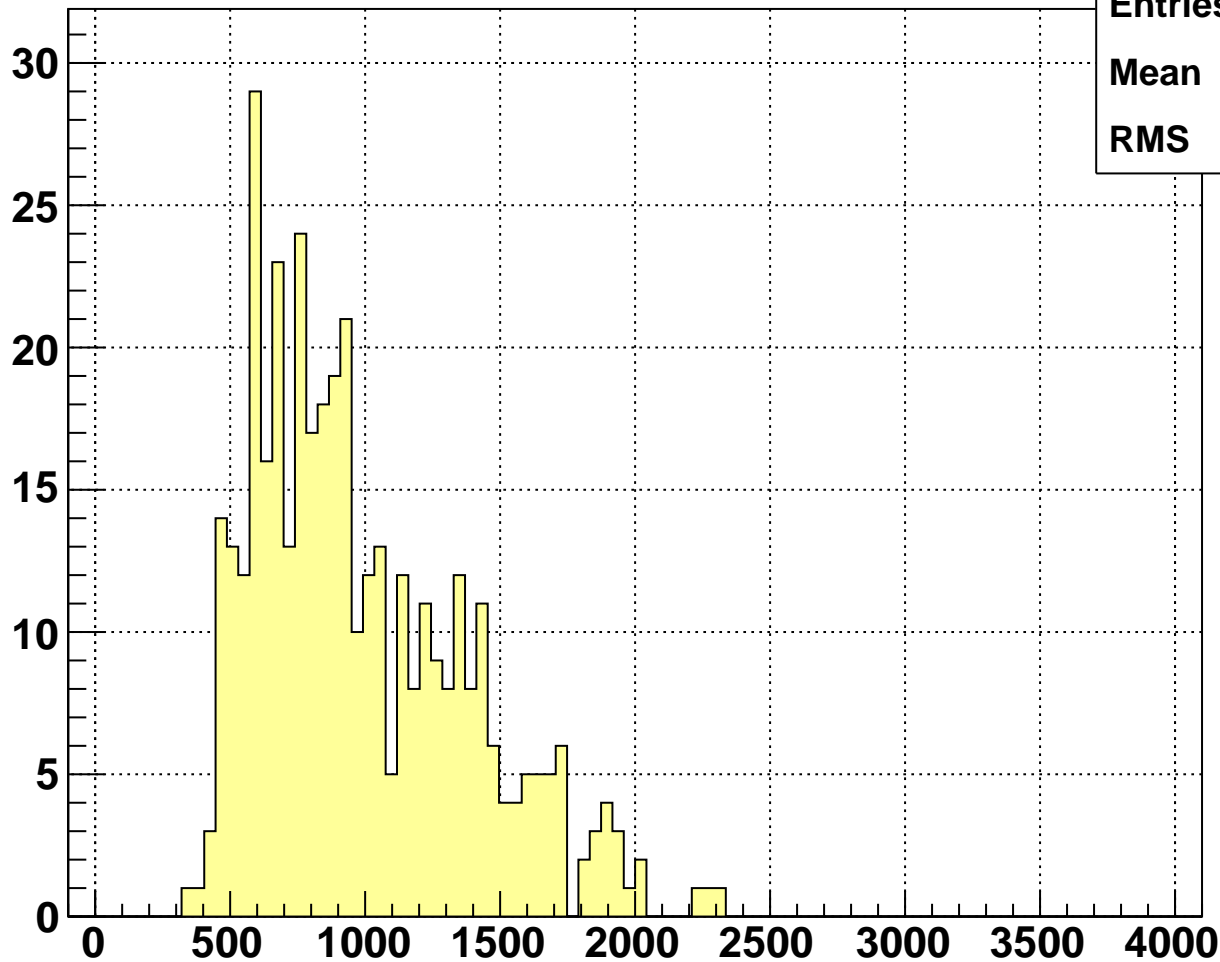
# FST - Sigma vs Section Id (ZS)



# FST - maxTB fraction vs Section Id (ZS)



# FST - Max ADC (non-ZS)



MaxAdc\_nonZS

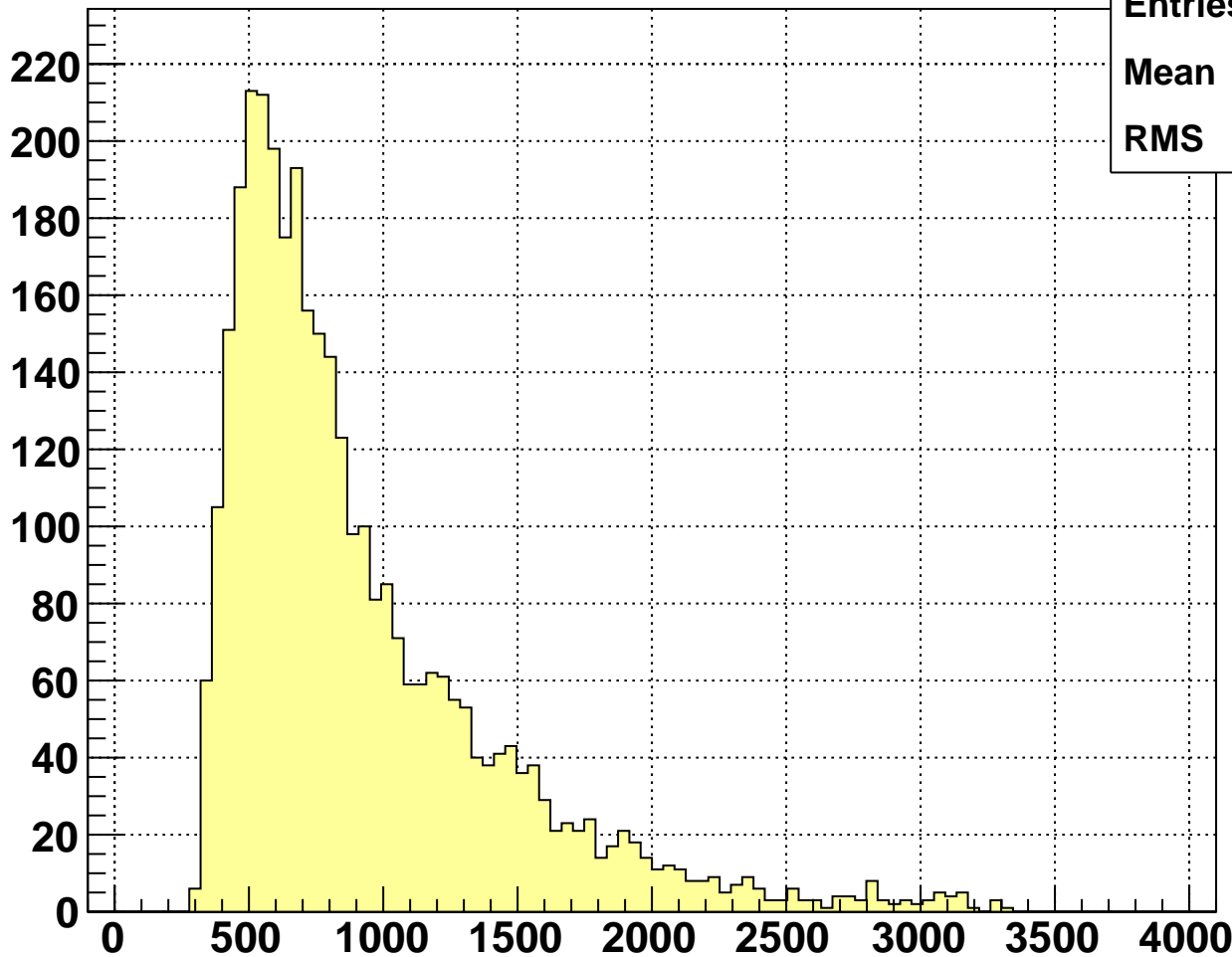
Entries 396

Mean 989.5

RMS 394.5

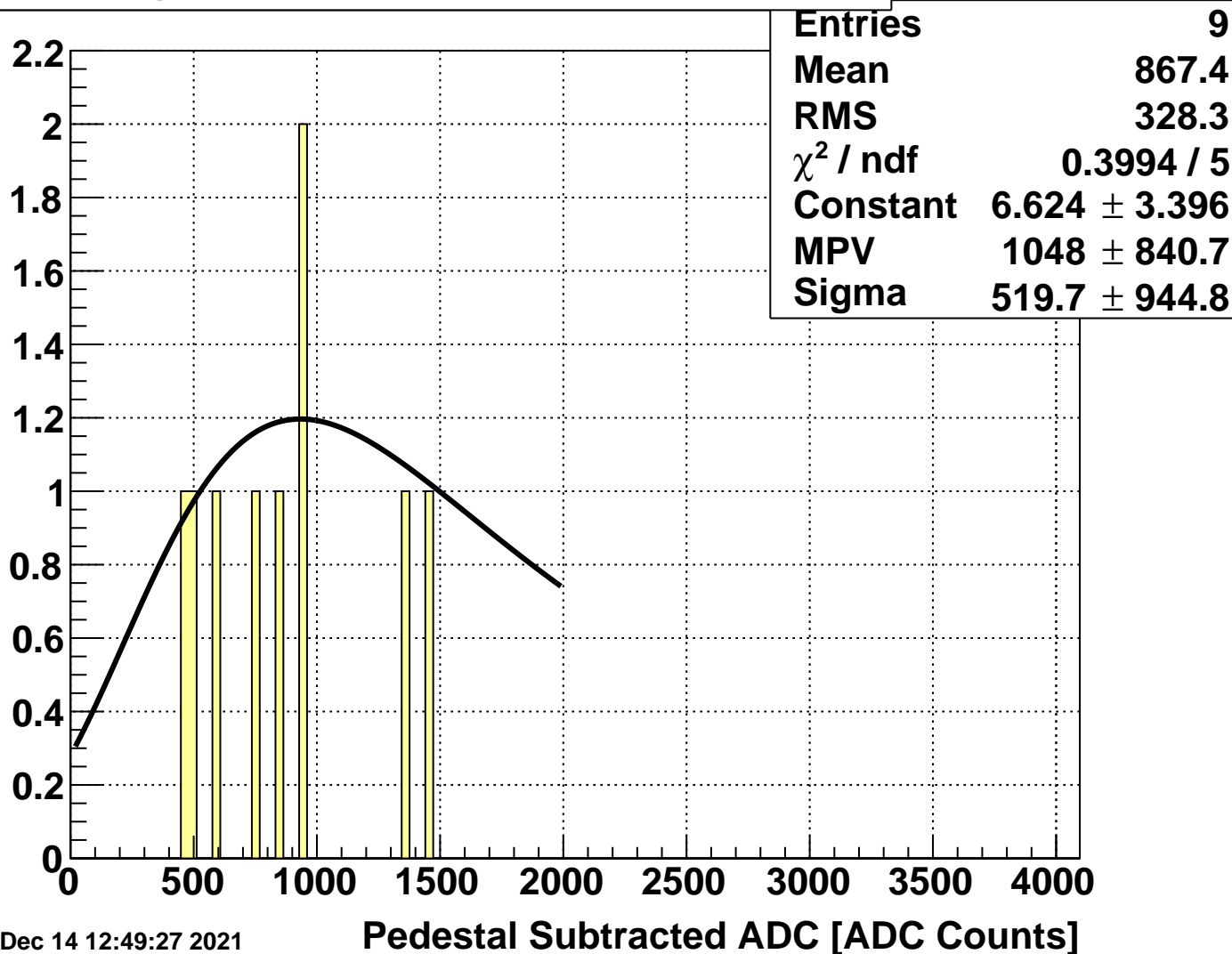
# FST - Max ADC (ZS)

MaxAdc\_ZS

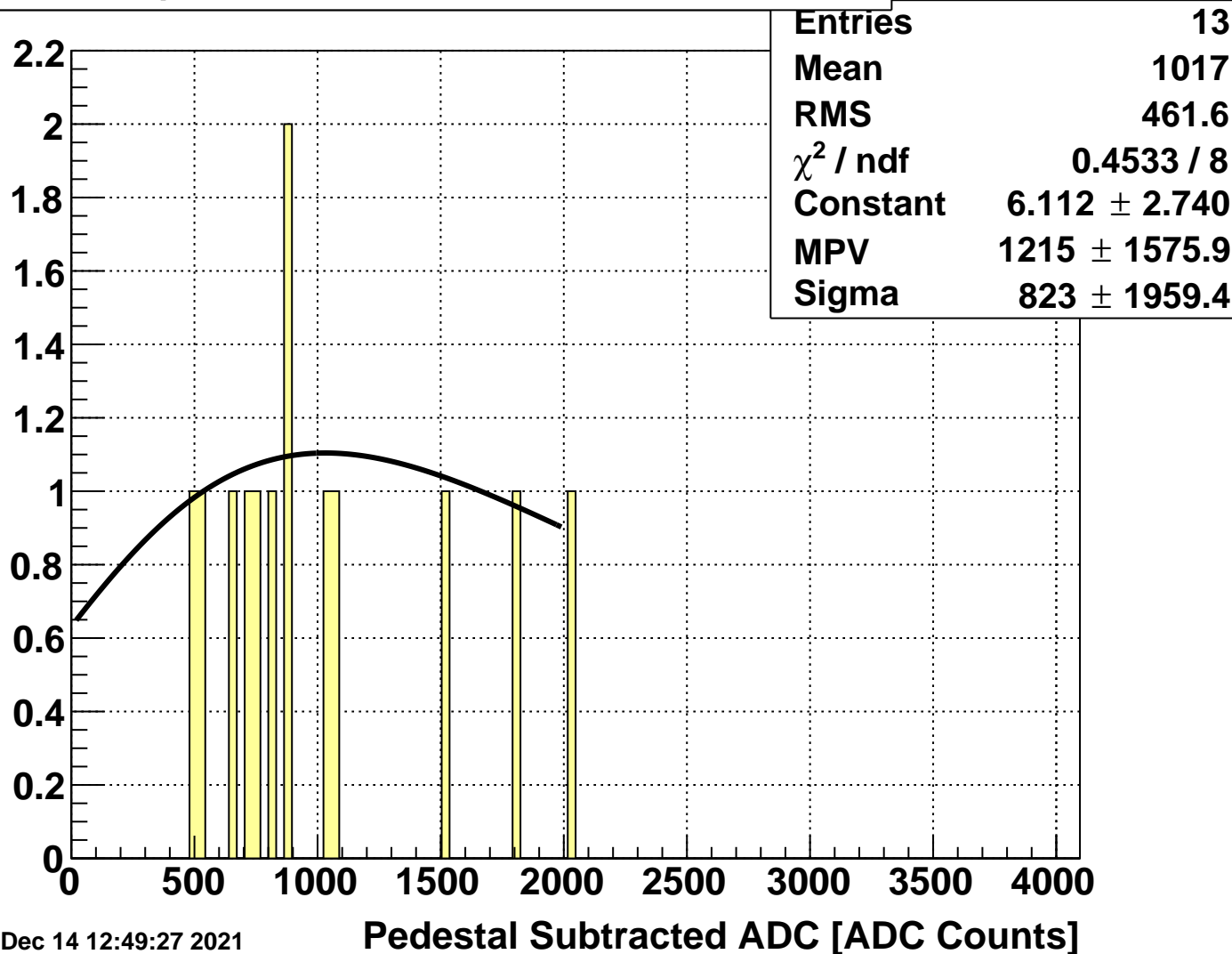


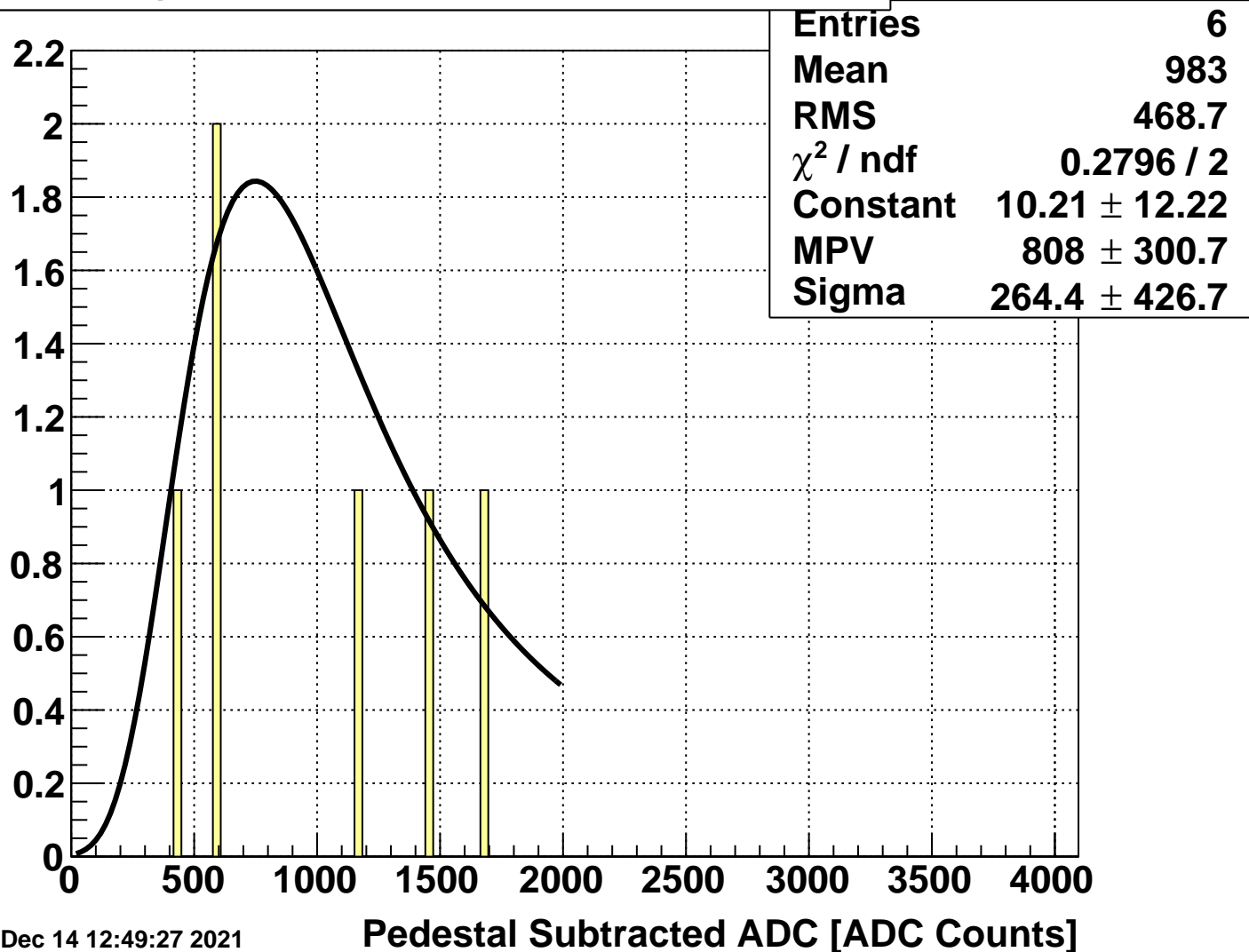
Entries	3452
Mean	917.7
RMS	511.6

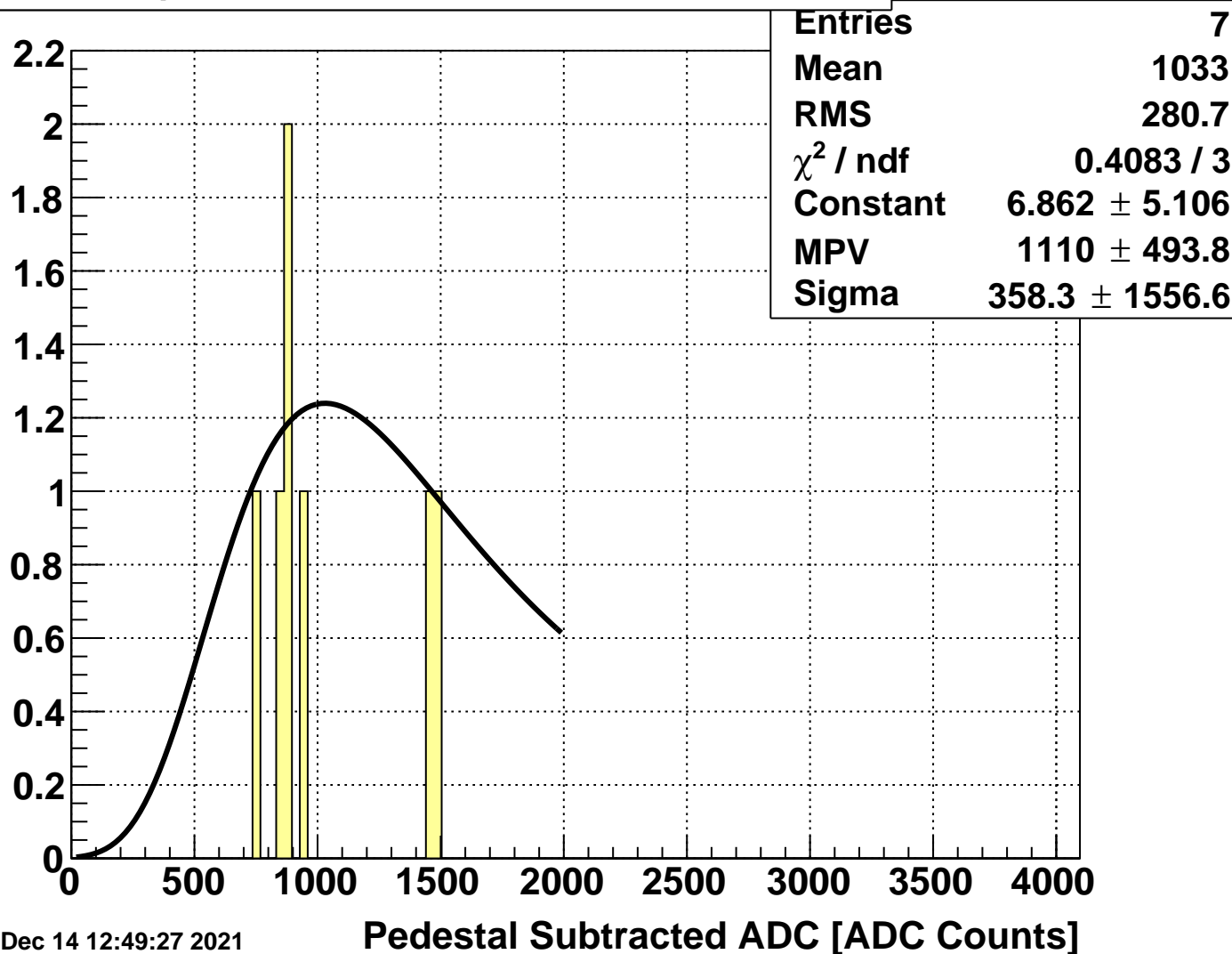
**FST - MIP peak non-ZS, RDO1\_ARM0\_PORT0\_SEC0** nonZS\_Section\_0

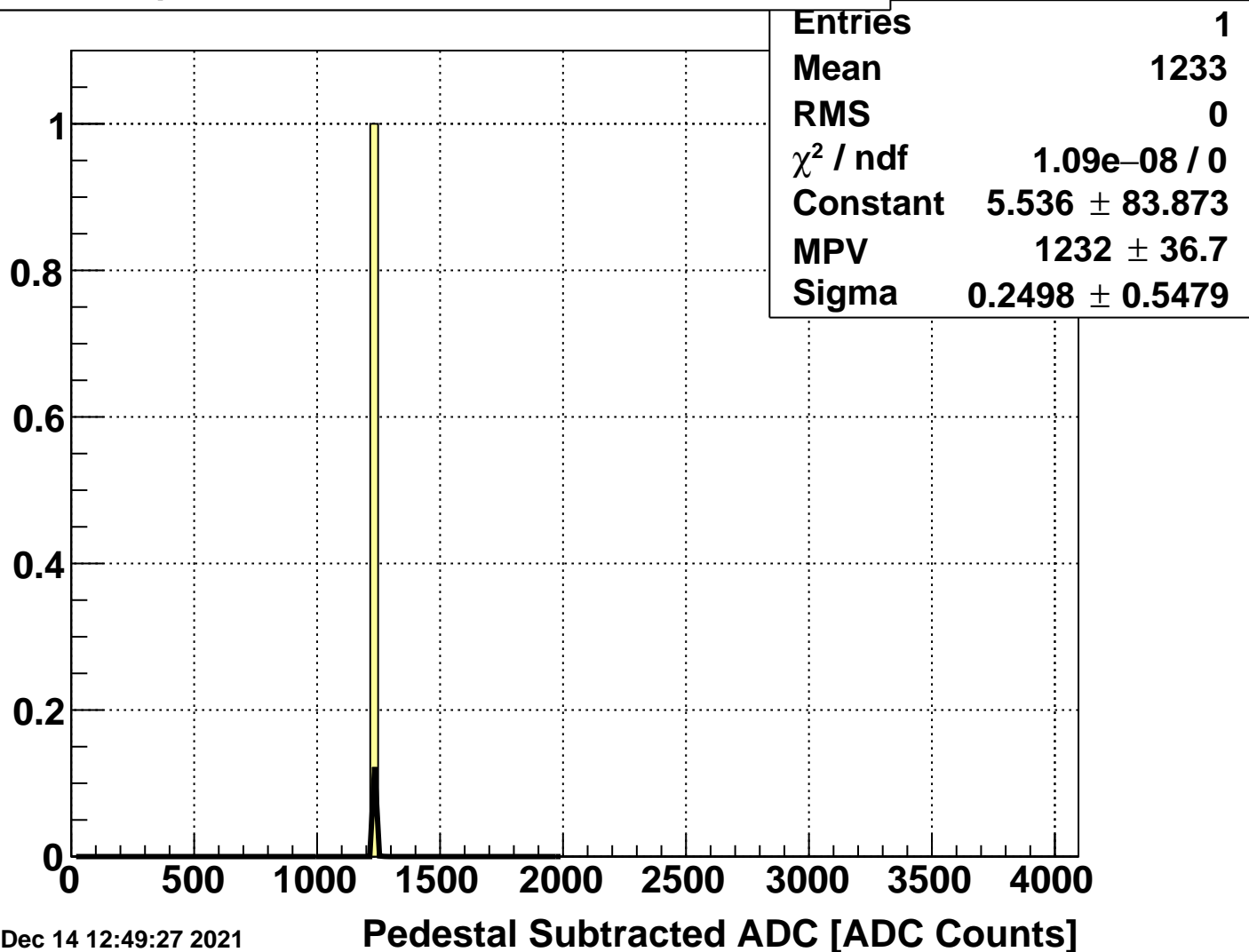


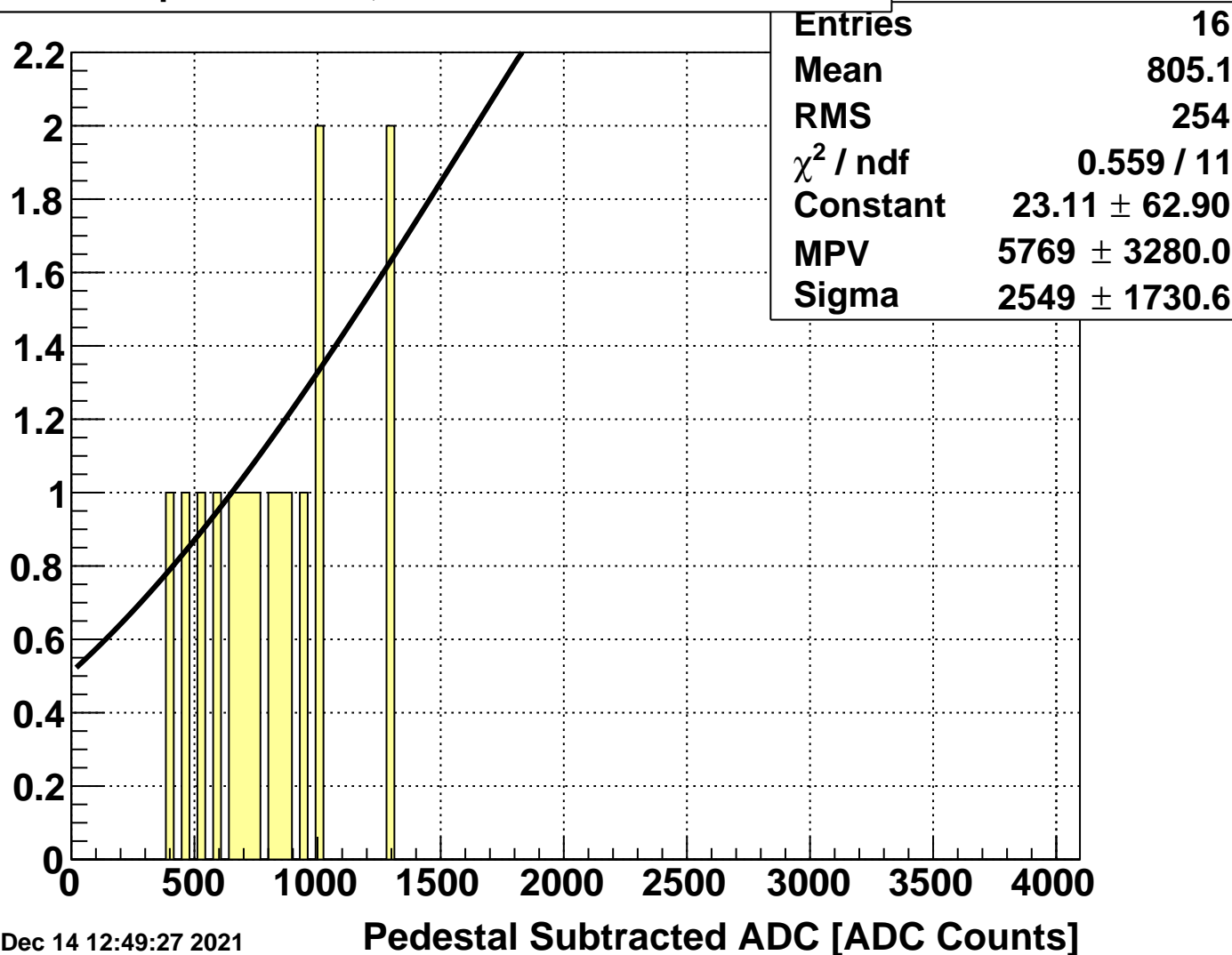


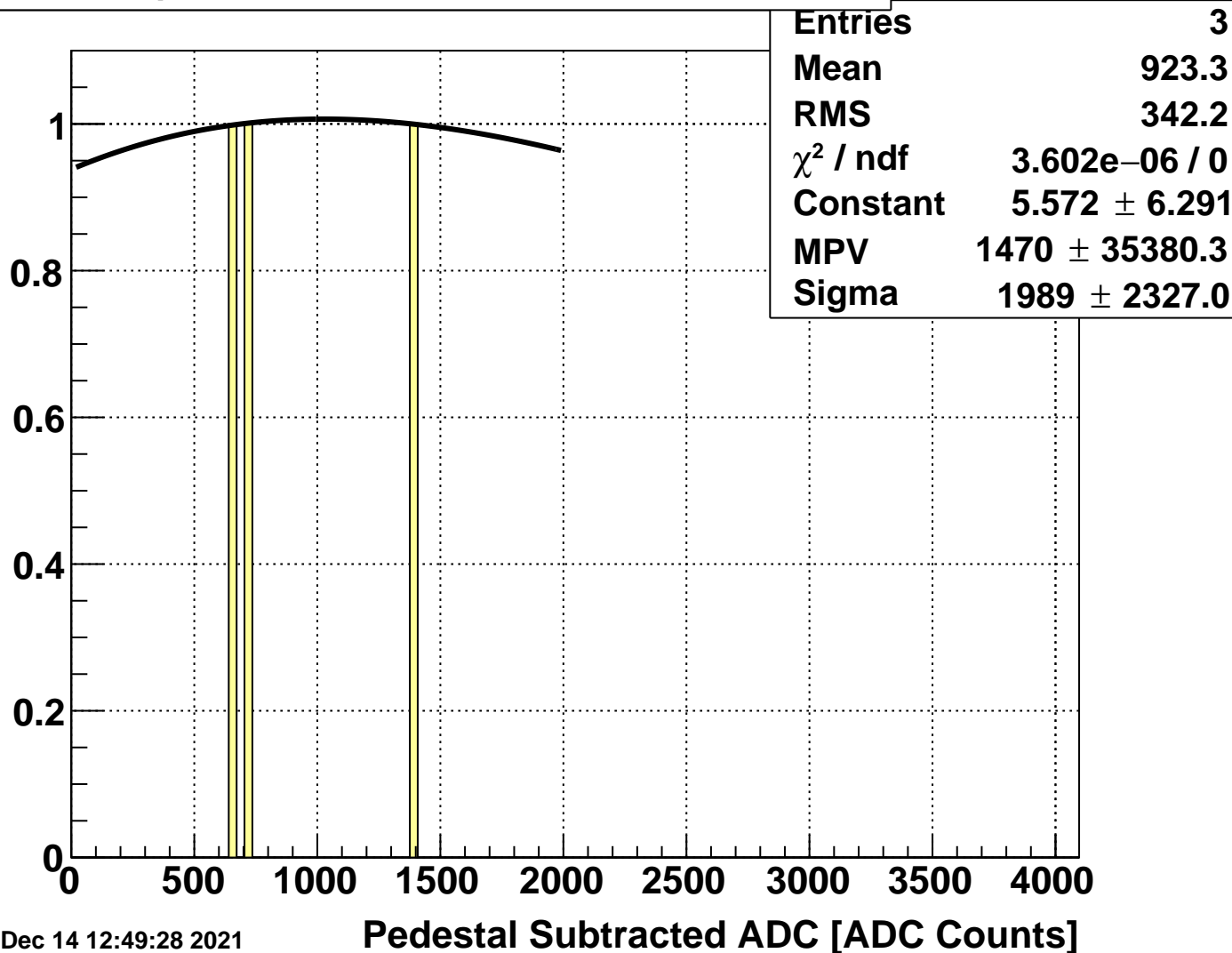
**FST - MIP peak non-ZS, RDO1\_ARM0\_PORT0\_SEC1****nonZS\_Section\_1**

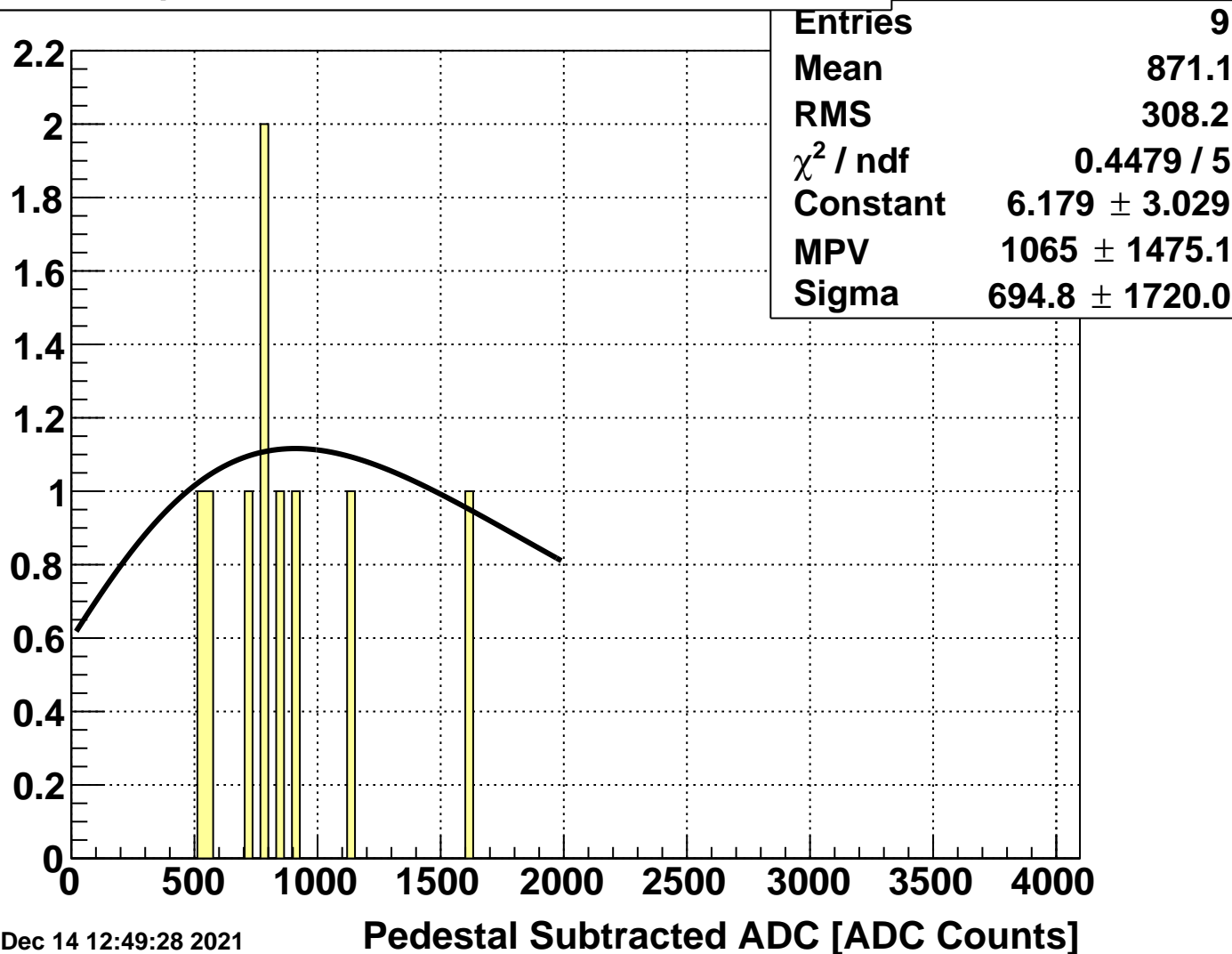
**FST - MIP peak non-ZS, RDO1\_ARM0\_PORT1\_SEC0****nonZS\_Section\_2**

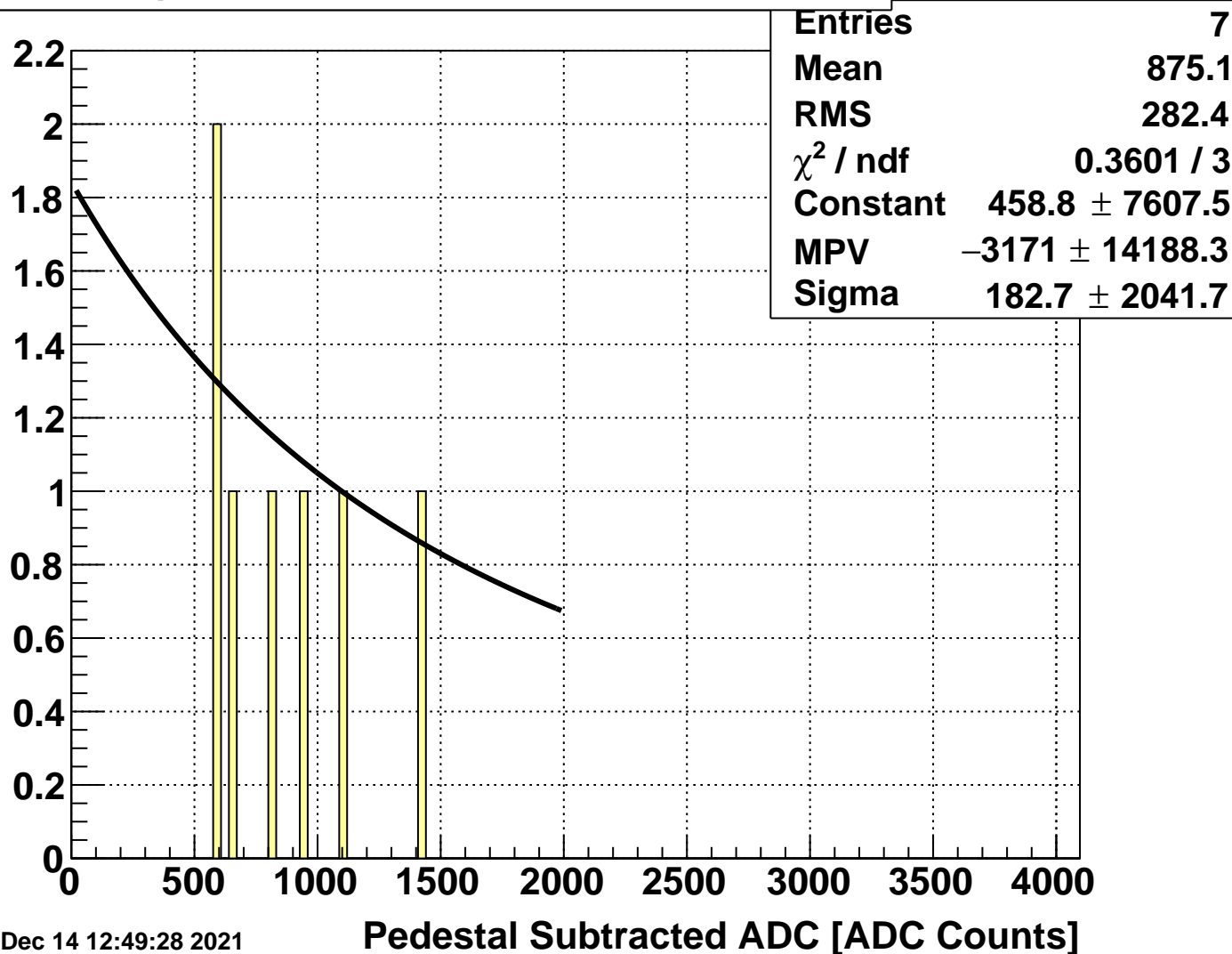
**FST - MIP peak non-ZS, RDO1\_ARM0\_PORT1\_SEC1****nonZS\_Section\_3**

**FST - MIP peak non-ZS, RDO1\_ARM1\_PORT0\_SEC0****nonZS\_Section\_4**

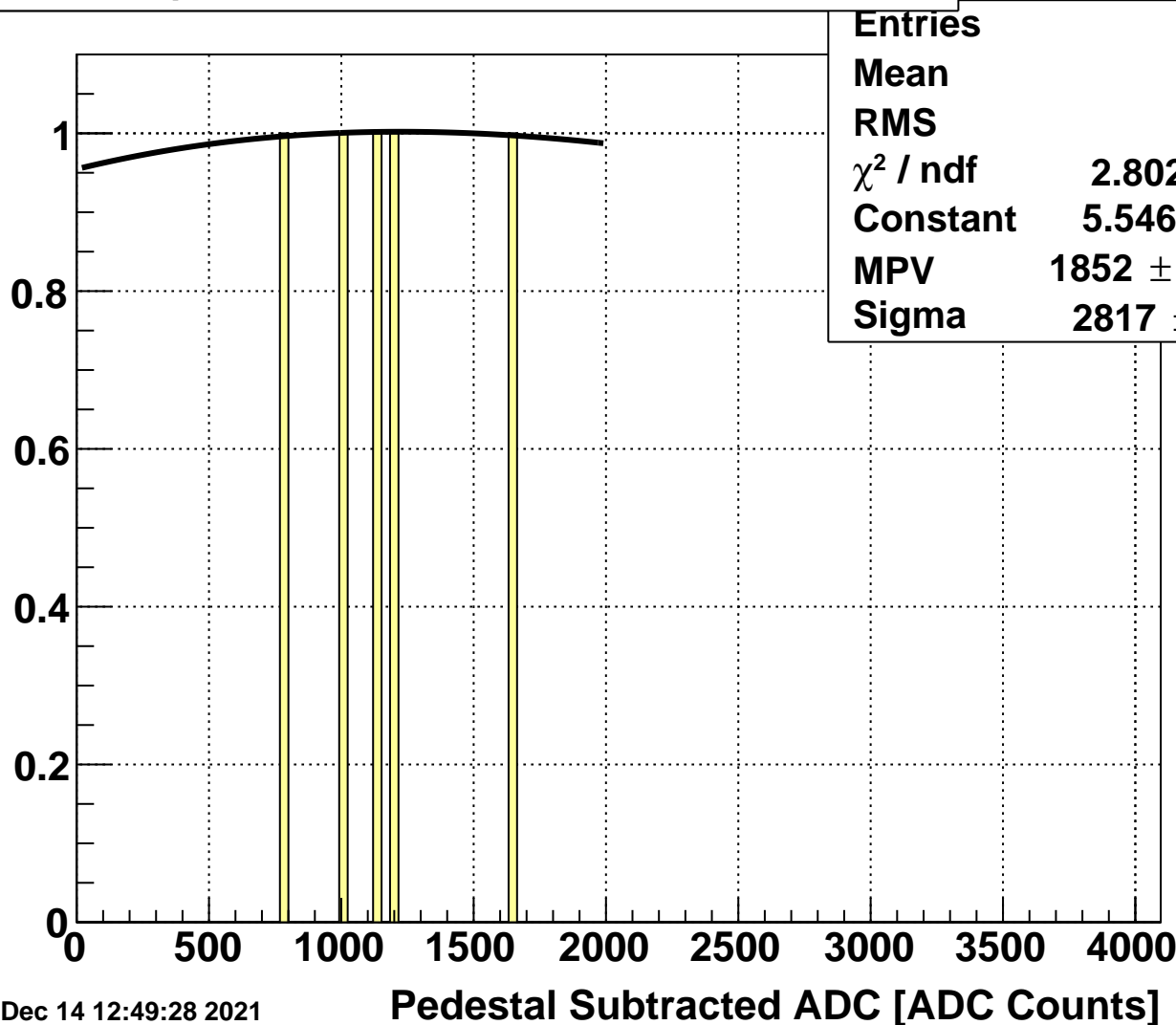
**FST - MIP peak non-ZS, RDO1\_ARM1\_PORT0\_SEC1****nonZS\_Section\_5**

**FST - MIP peak non-ZS, RDO1\_ARM1\_PORT1\_SEC0****nonZS\_Section\_6**

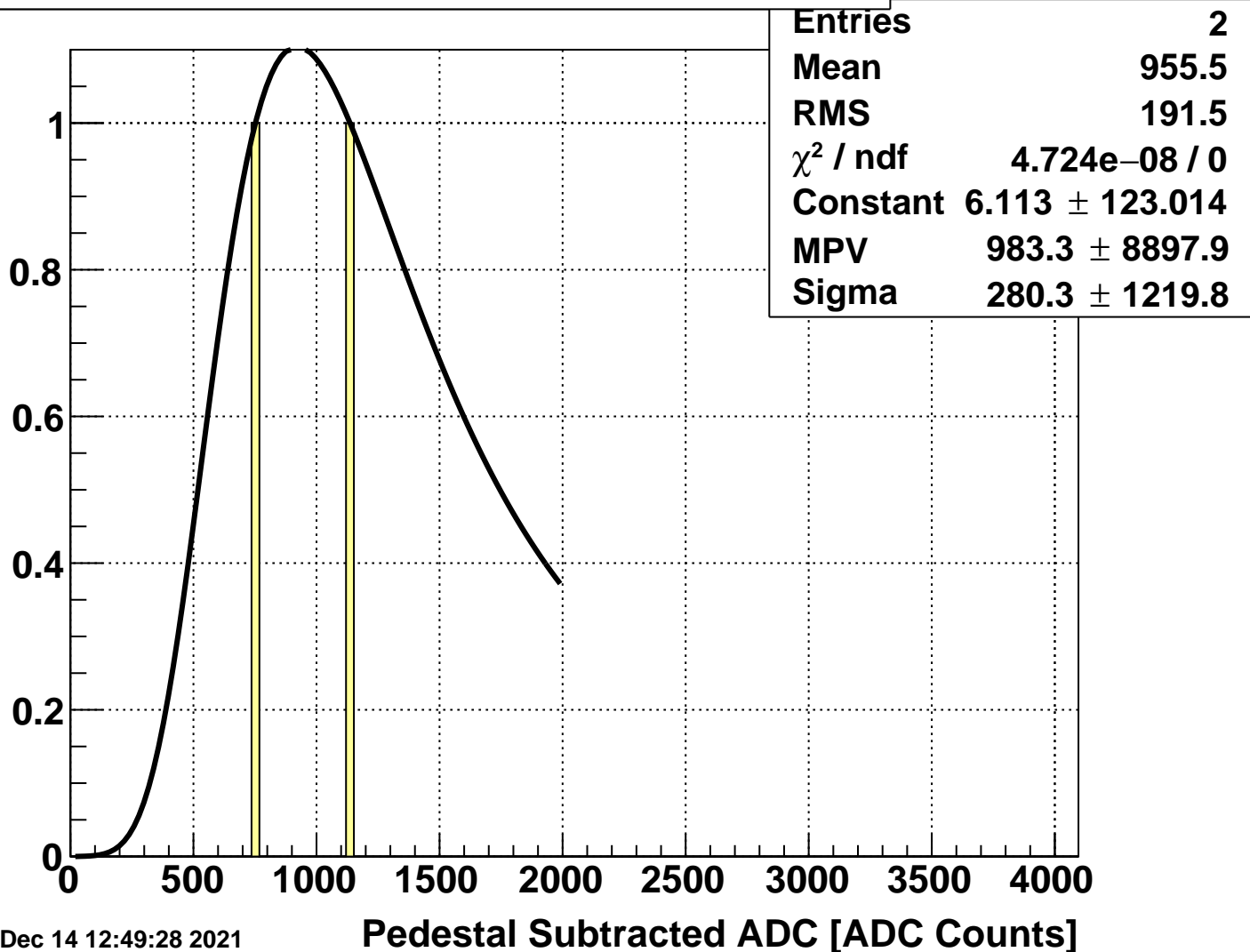
**FST - MIP peak non-ZS, RDO1\_ARM1\_PORT1\_SEC1****nonZS\_Section\_7**

**FST - MIP peak non-ZS, RDO1\_ARM2\_PORT0\_SEC0****nonZS\_Section\_8**

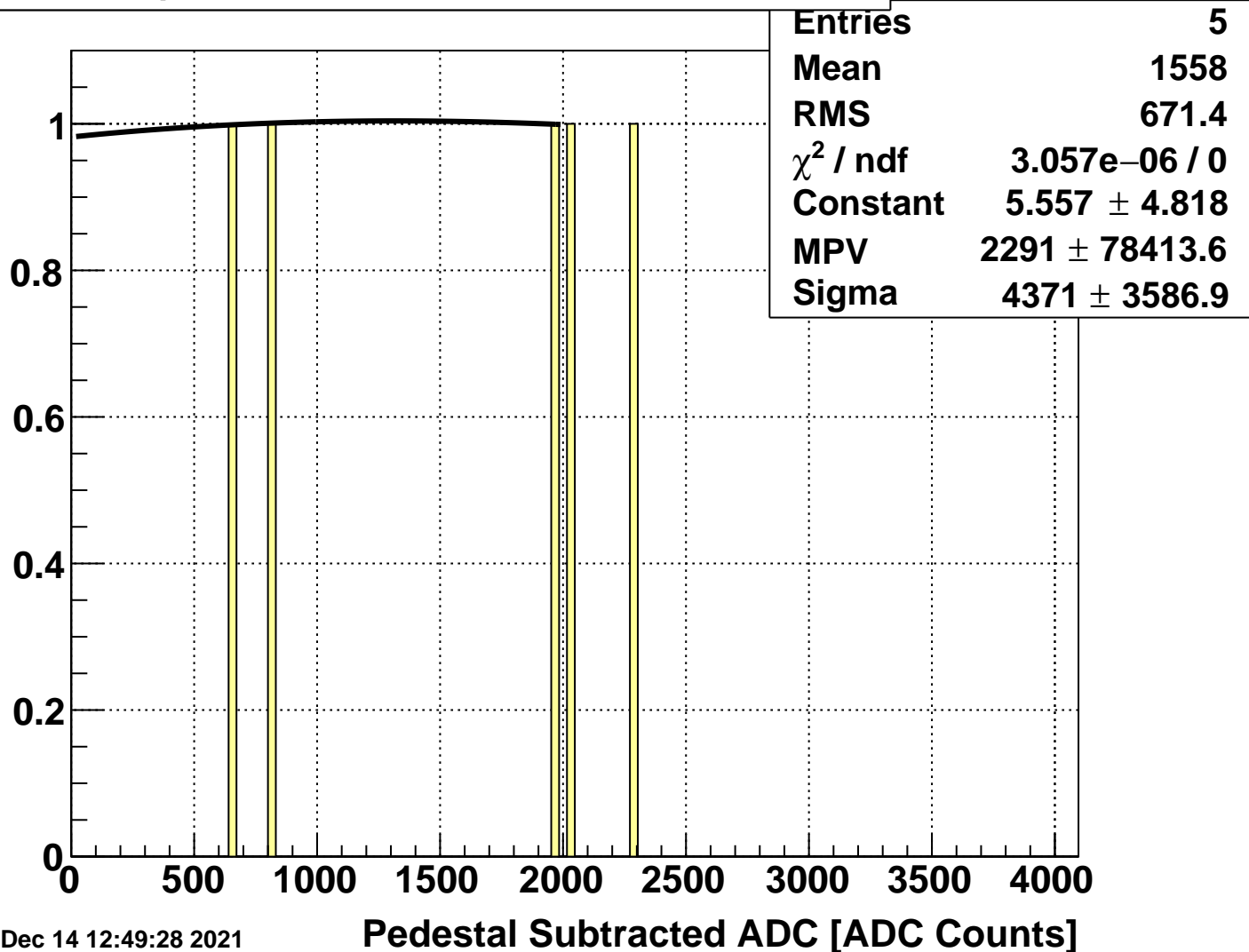


**FST - MIP peak non-ZS, RDO1\_ARM2\_PORT0\_SEC1****nonZS\_Section\_9**

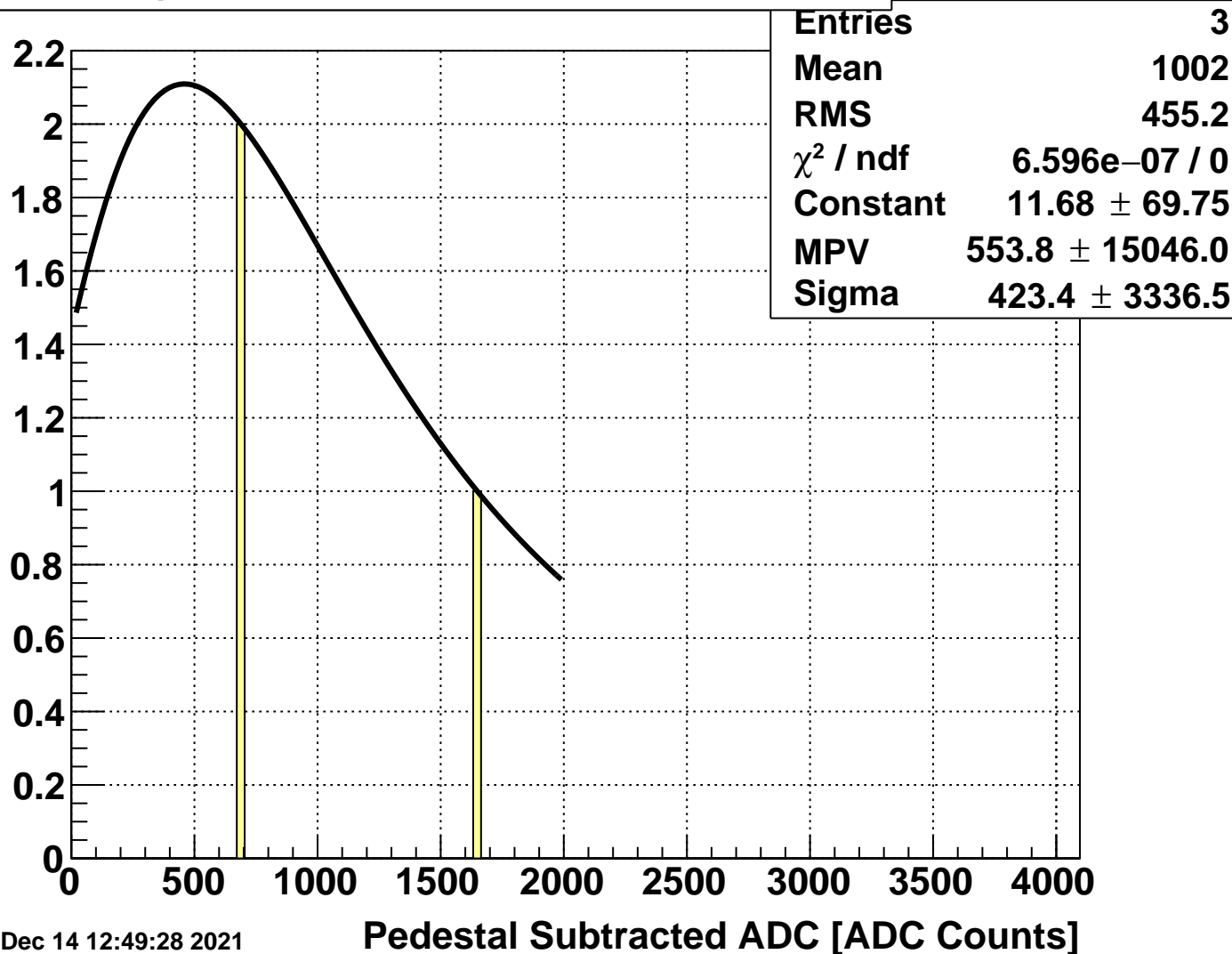
**FST - MIP peak non-ZS, RDO1\_ARM2\_PORT1\_SEC0** **nonZS\_Section\_10**



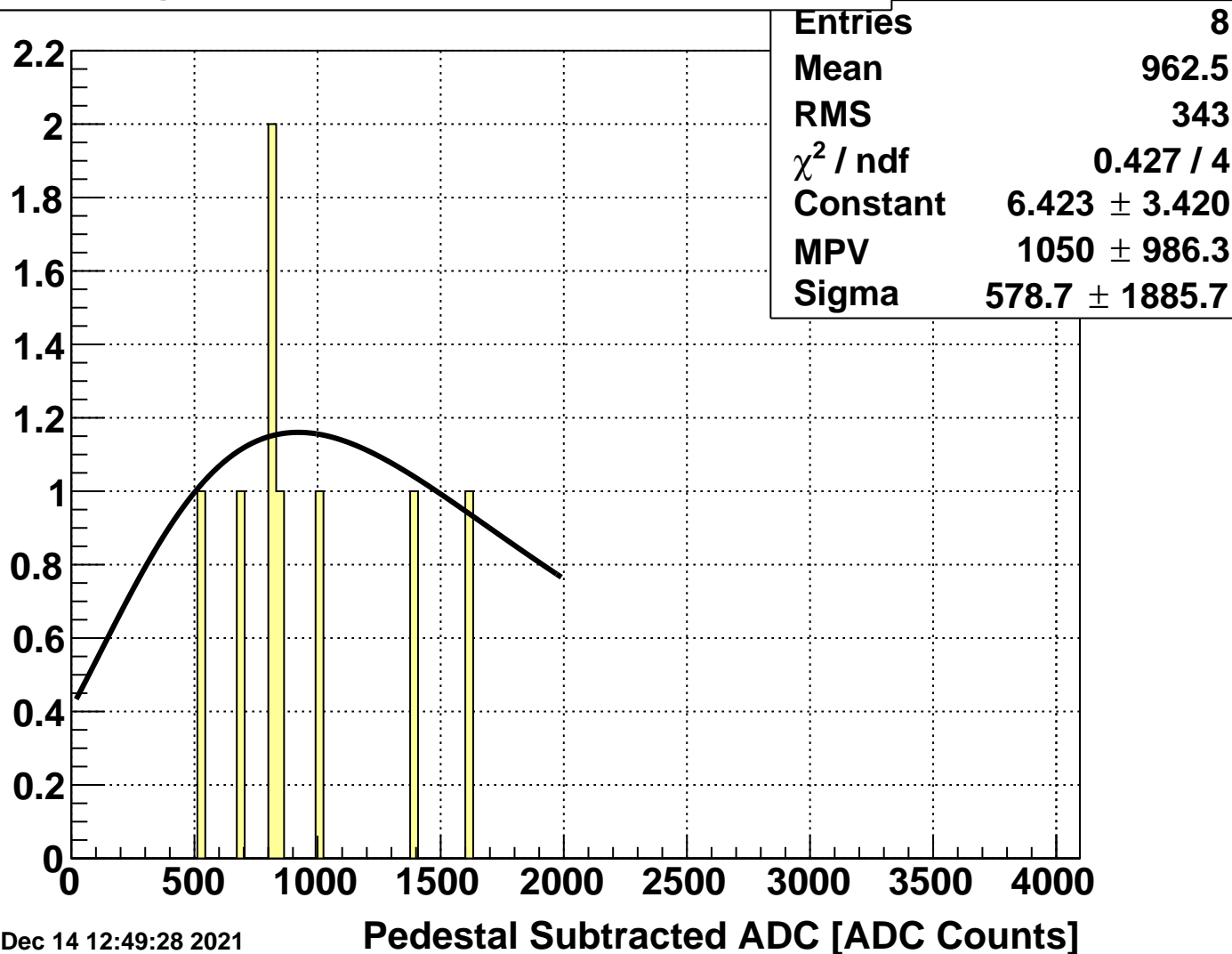
**FST - MIP peak non-ZS, RDO1\_ARM2\_PORT1\_SEC1** nonZS\_Section\_11



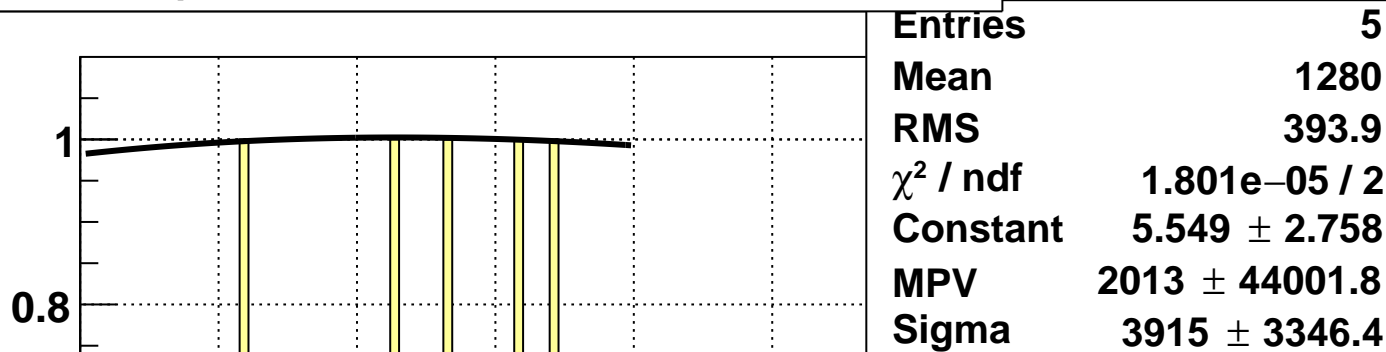
**FST - MIP peak non-ZS, RDO2\_ARM0\_PORT0\_SEC0** nonZS\_Section\_12



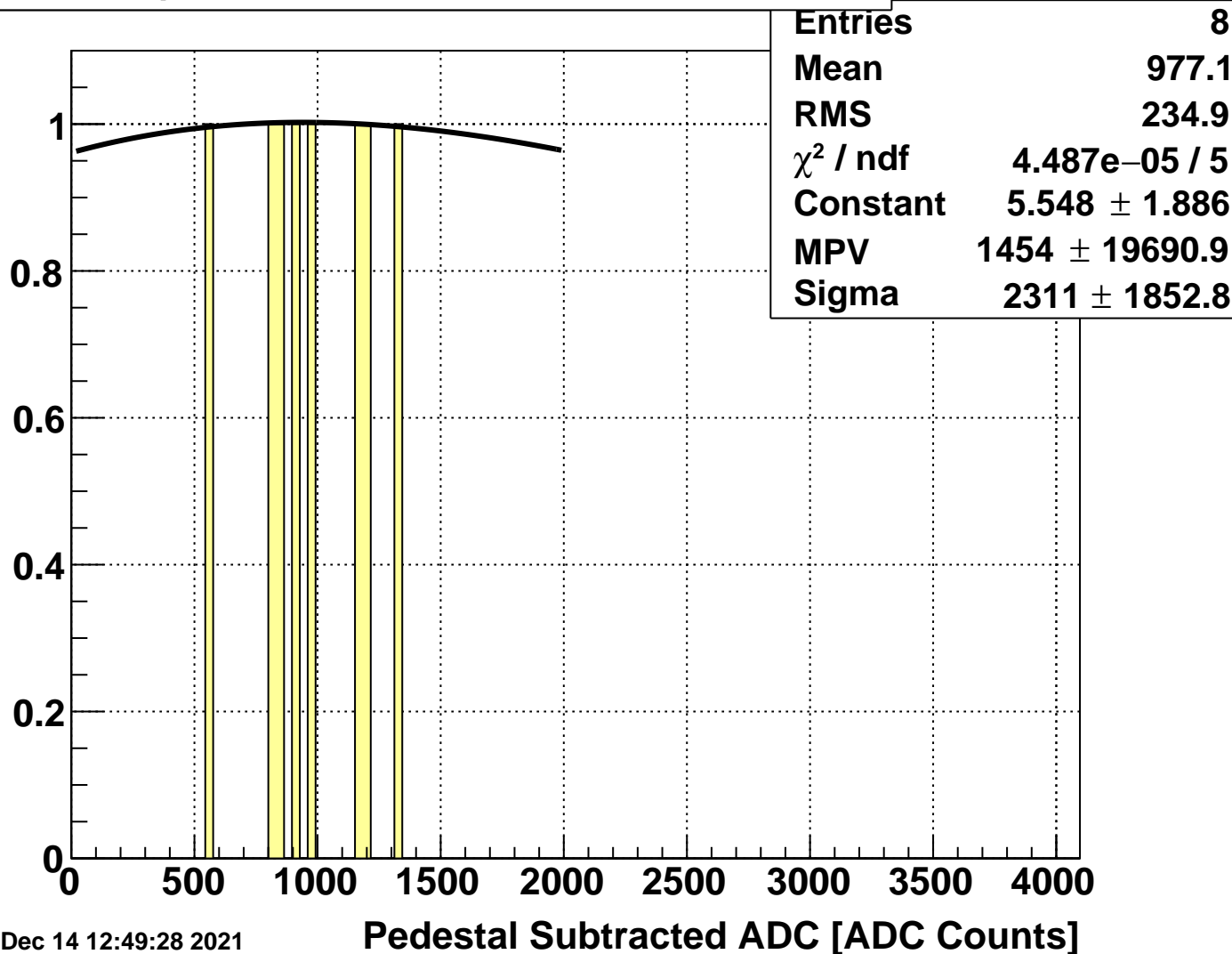
**FST - MIP peak non-ZS, RDO2\_ARM0\_PORT0\_SEC1** nonZS\_Section\_13



**FST - MIP peak non-ZS, RDO2\_ARM0\_PORT1\_SEC0** nonZS\_Section\_14



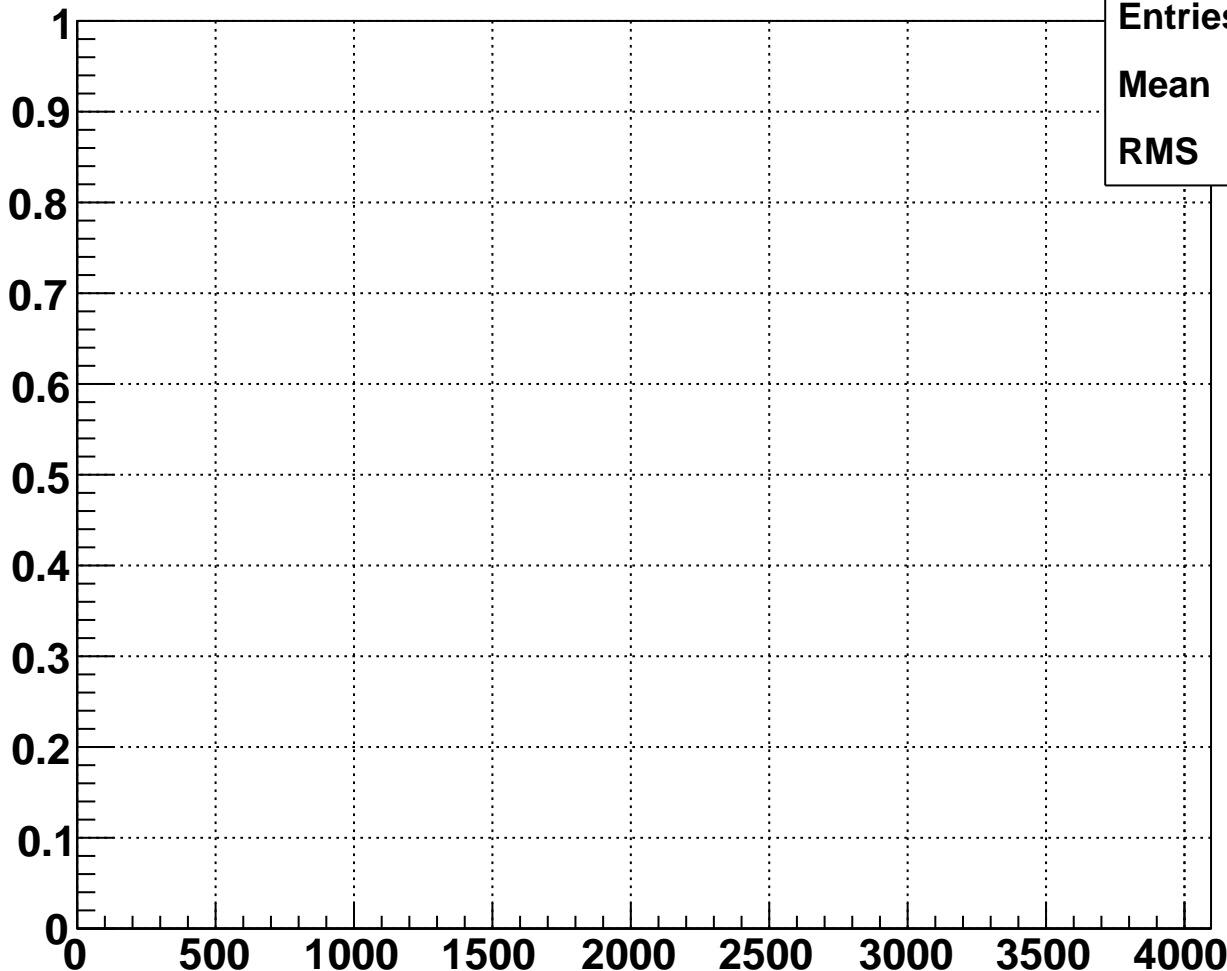
FST - MIP peak non-ZS, RDO2\_ARM0\_PORT1\_SEC1 nonZS\_Section\_15



**FST - MIP peak non-ZS, RDO2\_ARM1\_PORT0\_SEC0**

MIP\_nonZS\_Section\_16

<b>Entries</b>	<b>0</b>
<b>Mean</b>	<b>0</b>
<b>RMS</b>	<b>0</b>

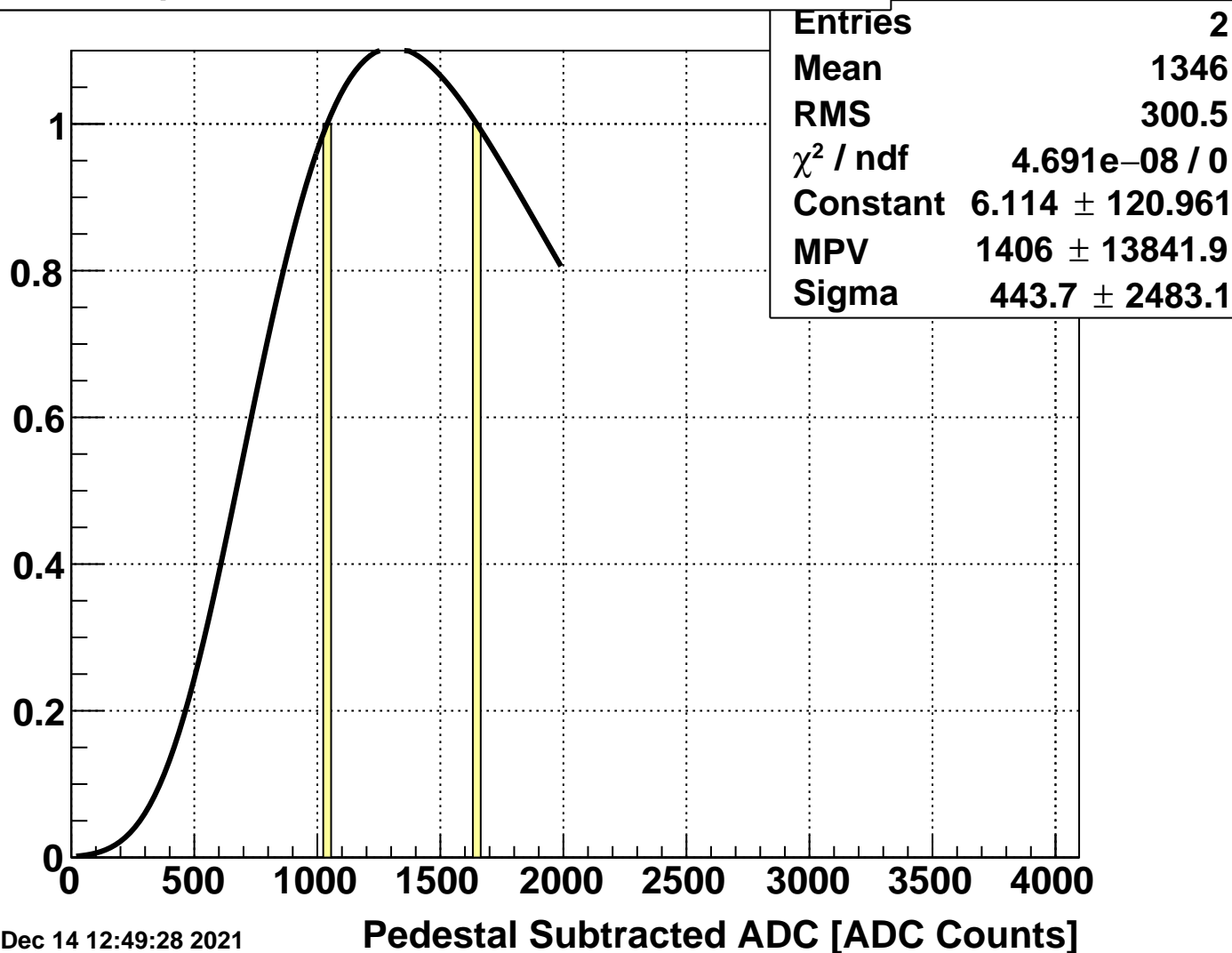


**Pedestal Subtracted ADC [ADC Counts]**

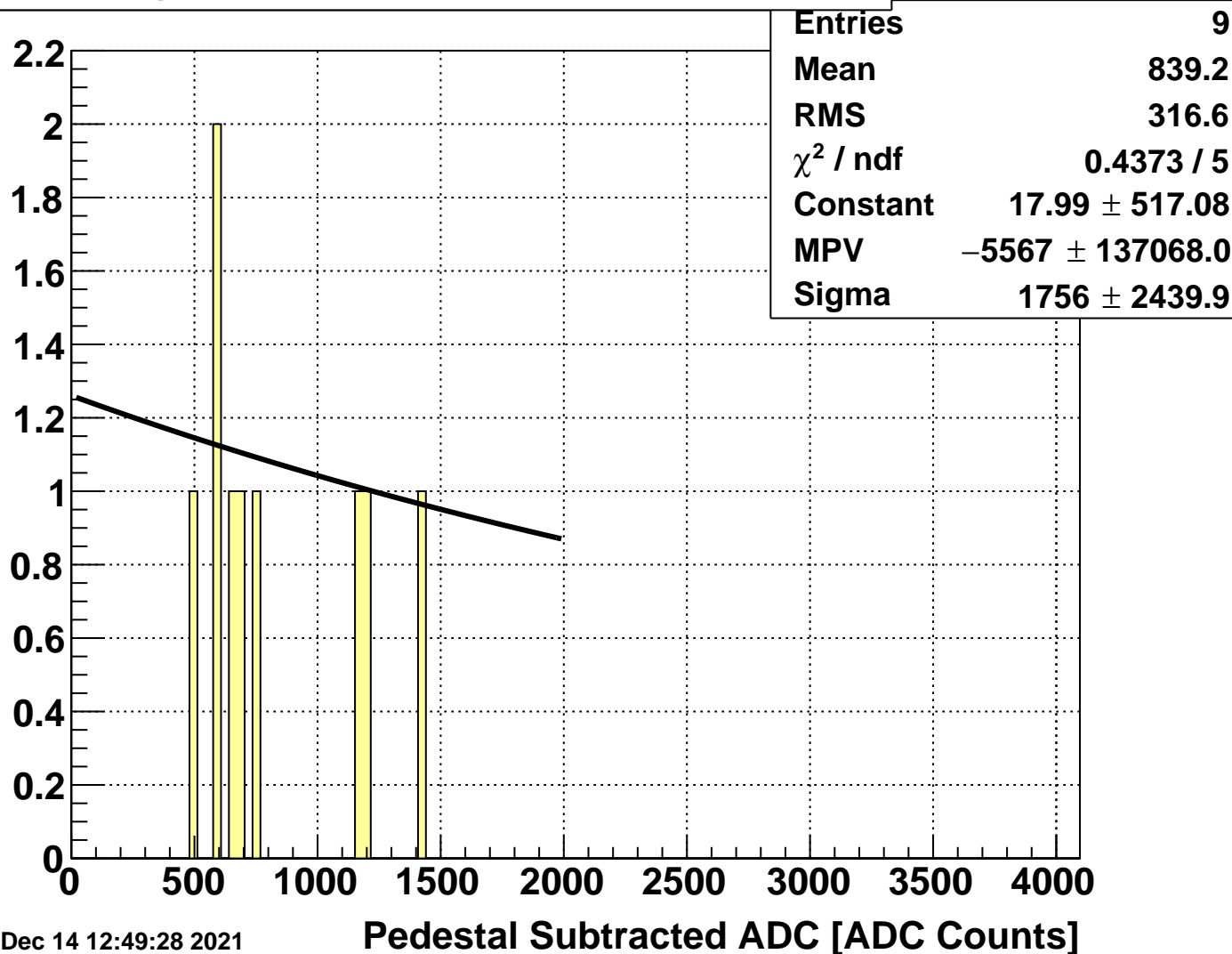
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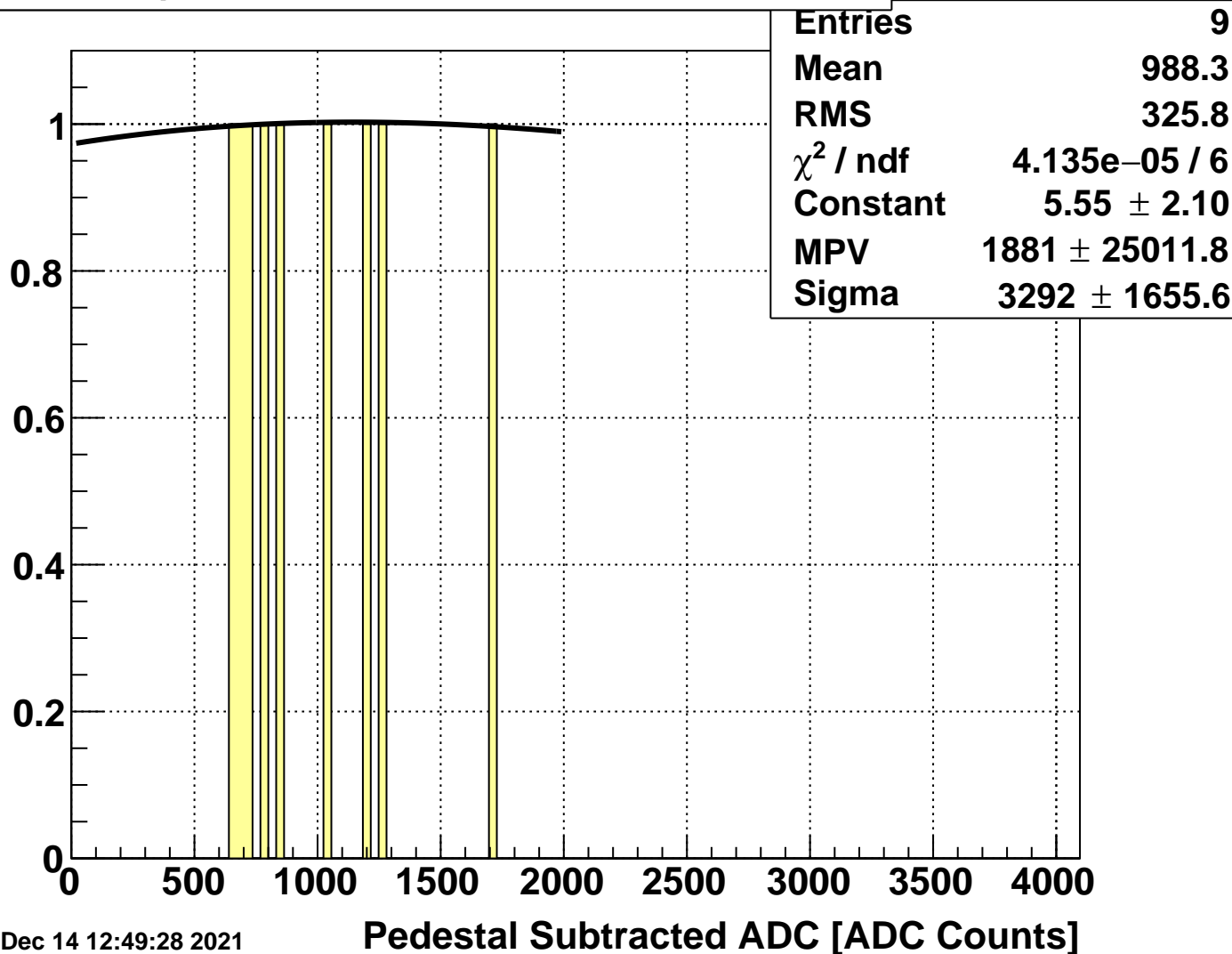
**FST - MIP peak non-ZS, RDO2\_ARM1\_PORT0\_SEC1** nonZS\_Section\_17



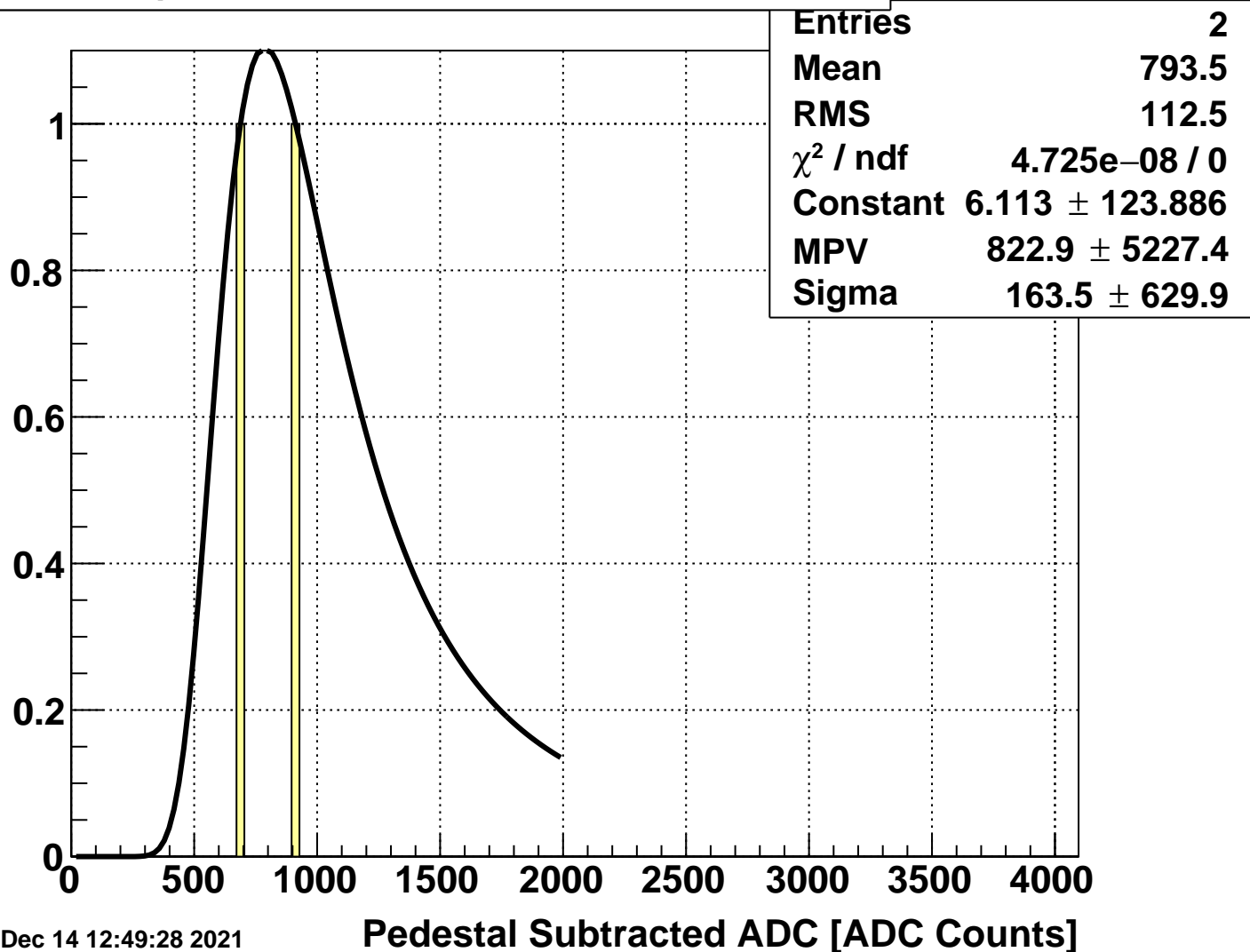
**FST - MIP peak non-ZS, RDO2\_ARM1\_PORT1\_SEC0** **nonZS\_Section\_18**



**FST - MIP peak non-ZS, RDO2\_ARM1\_PORT1\_SEC1** **nonZS\_Section\_19**

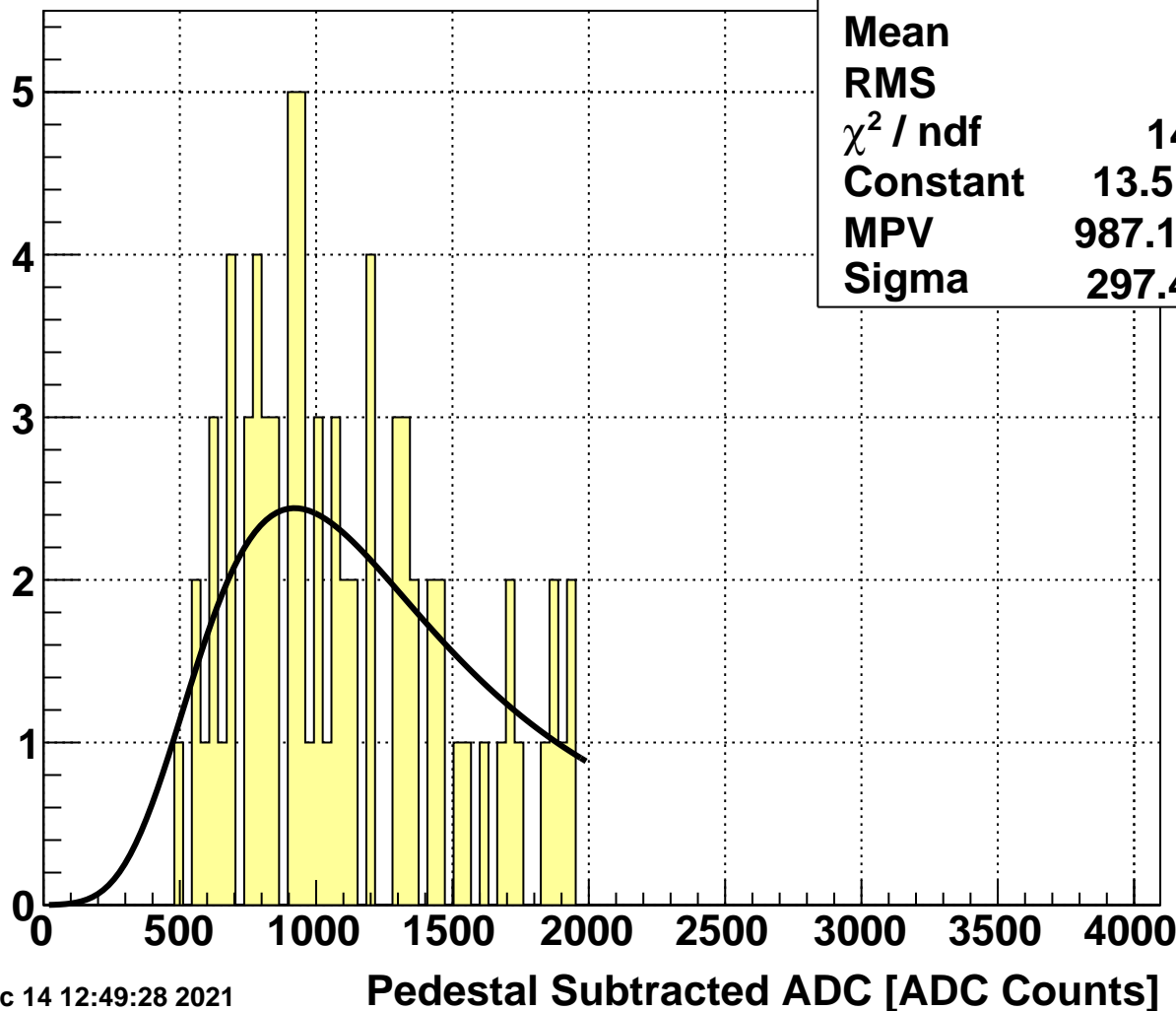


**FST - MIP peak non-ZS, RDO2\_ARM2\_PORT0\_SEC0** nonZS\_Section\_20



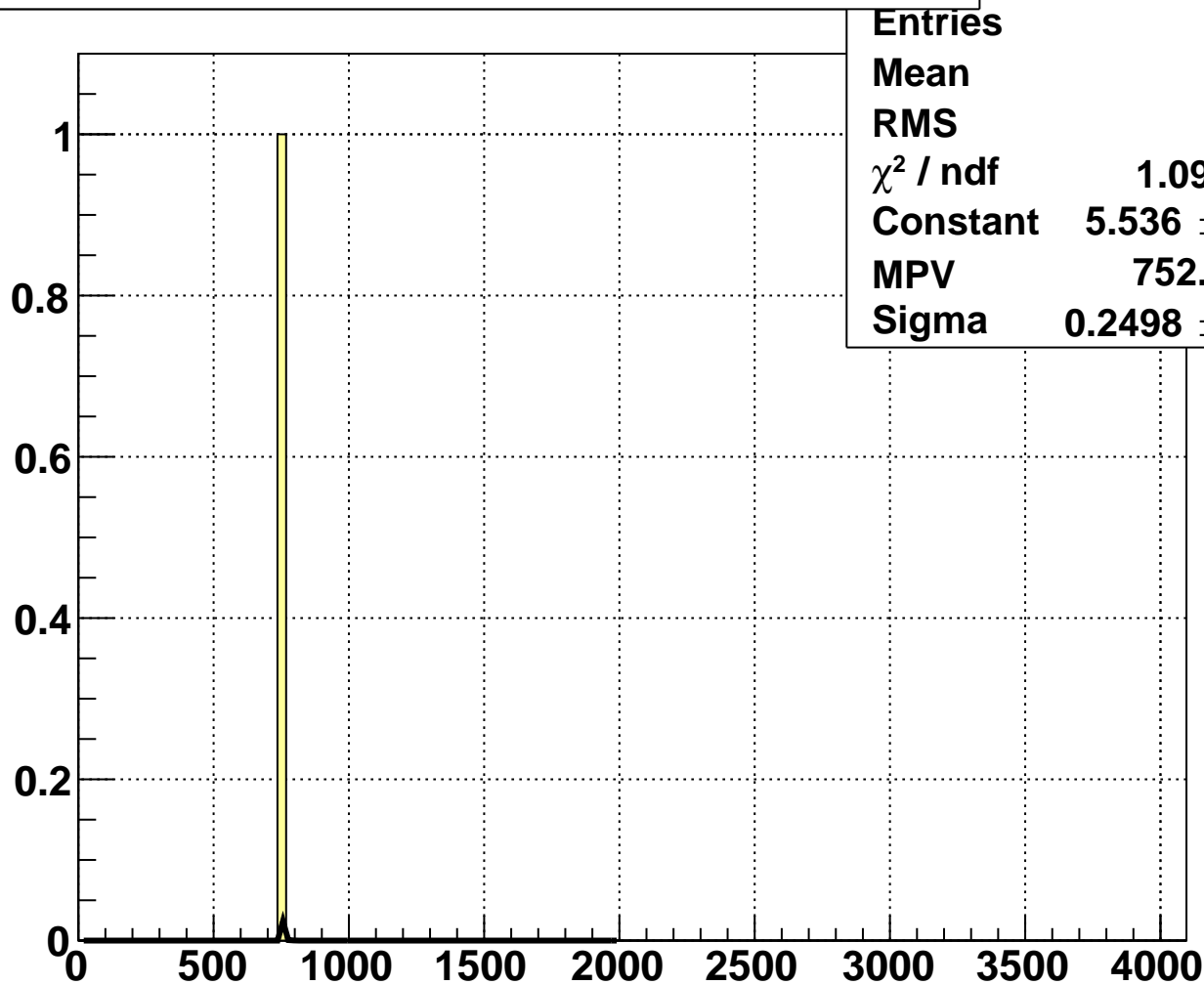
**FST - MIP peak non-ZS, RDO2\_ARM2\_PORT0\_SEC1** nonZS\_Section\_21

<b>Entries</b>	<b>76</b>
<b>Mean</b>	<b>1103</b>
<b>RMS</b>	<b>382.6</b>
$\chi^2 / \text{ndf}$	<b>14.75 / 31</b>
<b>Constant</b>	<b><math>13.51 \pm 2.60</math></b>
<b>MPV</b>	<b><math>987.1 \pm 107.1</math></b>
<b>Sigma</b>	<b><math>297.4 \pm 98.6</math></b>



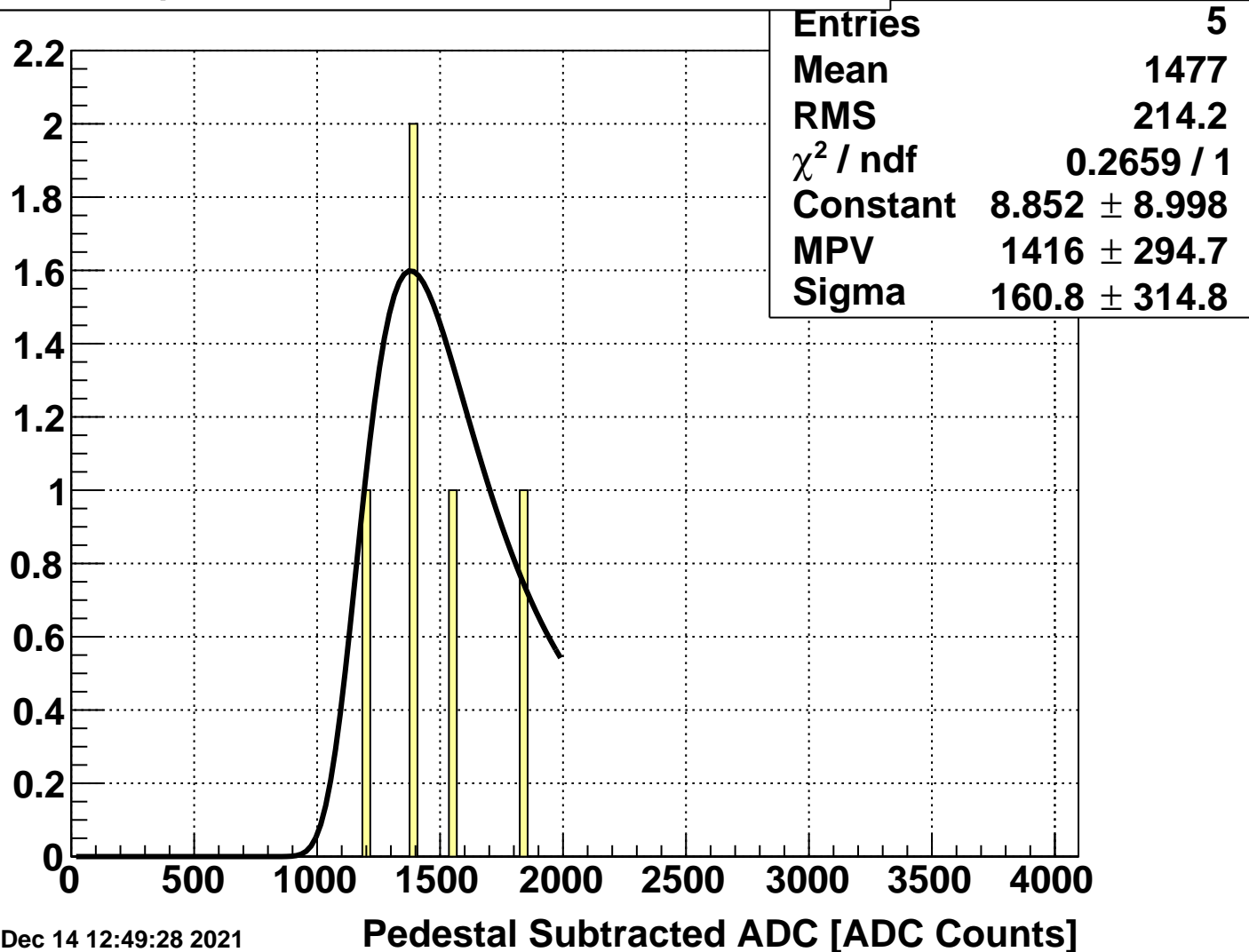
**FST - MIP peak non-ZS, RDO2\_ARM2\_PORT1\_SEC0**

**nonZS\_Section\_22**

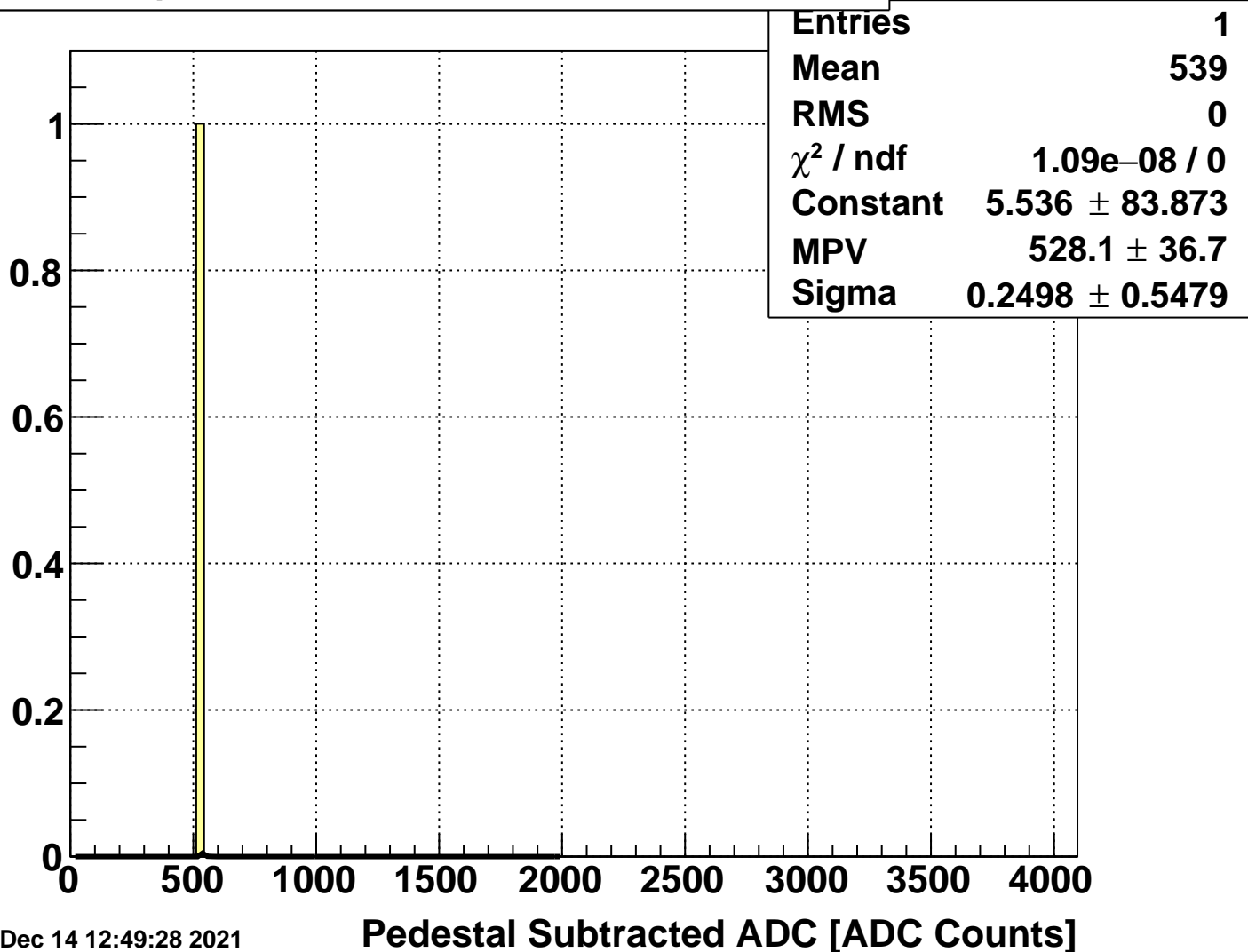


Entries	1
Mean	765
RMS	0
$\chi^2 / \text{ndf}$	$1.09\text{e-}08 / 0$
Constant	$5.536 \pm 83.873$
MPV	$752.1 \pm 36.7$
Sigma	$0.2498 \pm 0.5479$

**FST - MIP peak non-ZS, RDO2\_ARM2\_PORT1\_SEC1** nonZS\_Section\_23



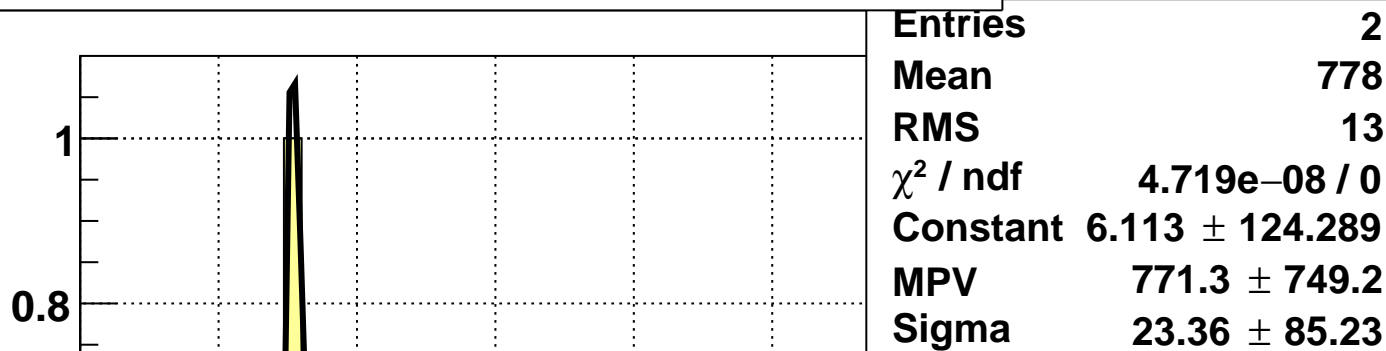
**FST - MIP peak non-ZS, RDO3\_ARM0\_PORT0\_SEC0** **nonZS\_Section\_24**





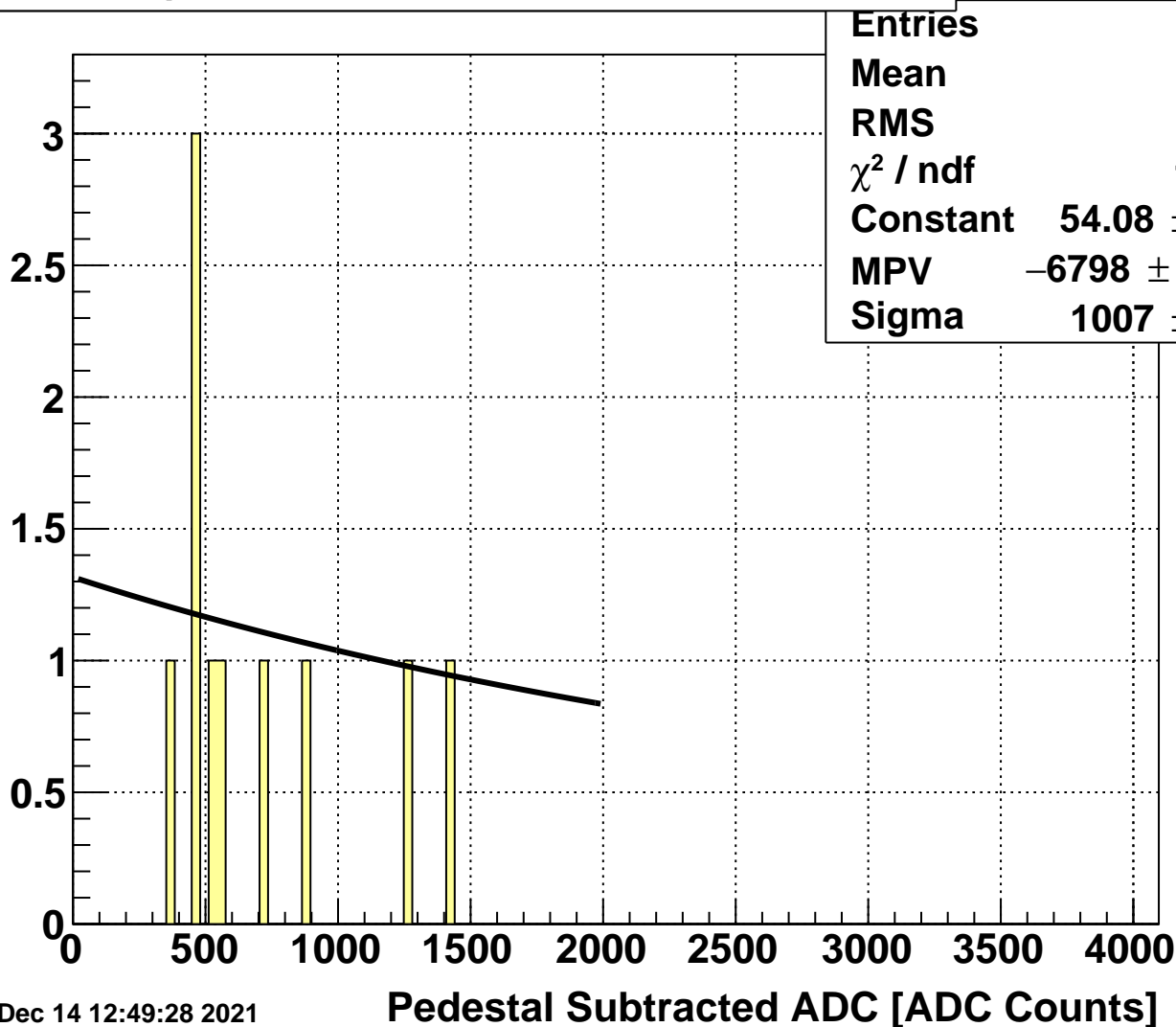
**FST - MIP peak non-ZS, RDO3\_ARM0\_PORT0\_SEC1**

**nonZS\_Section\_25**



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**Pedestal Subtracted ADC [ADC Counts]**

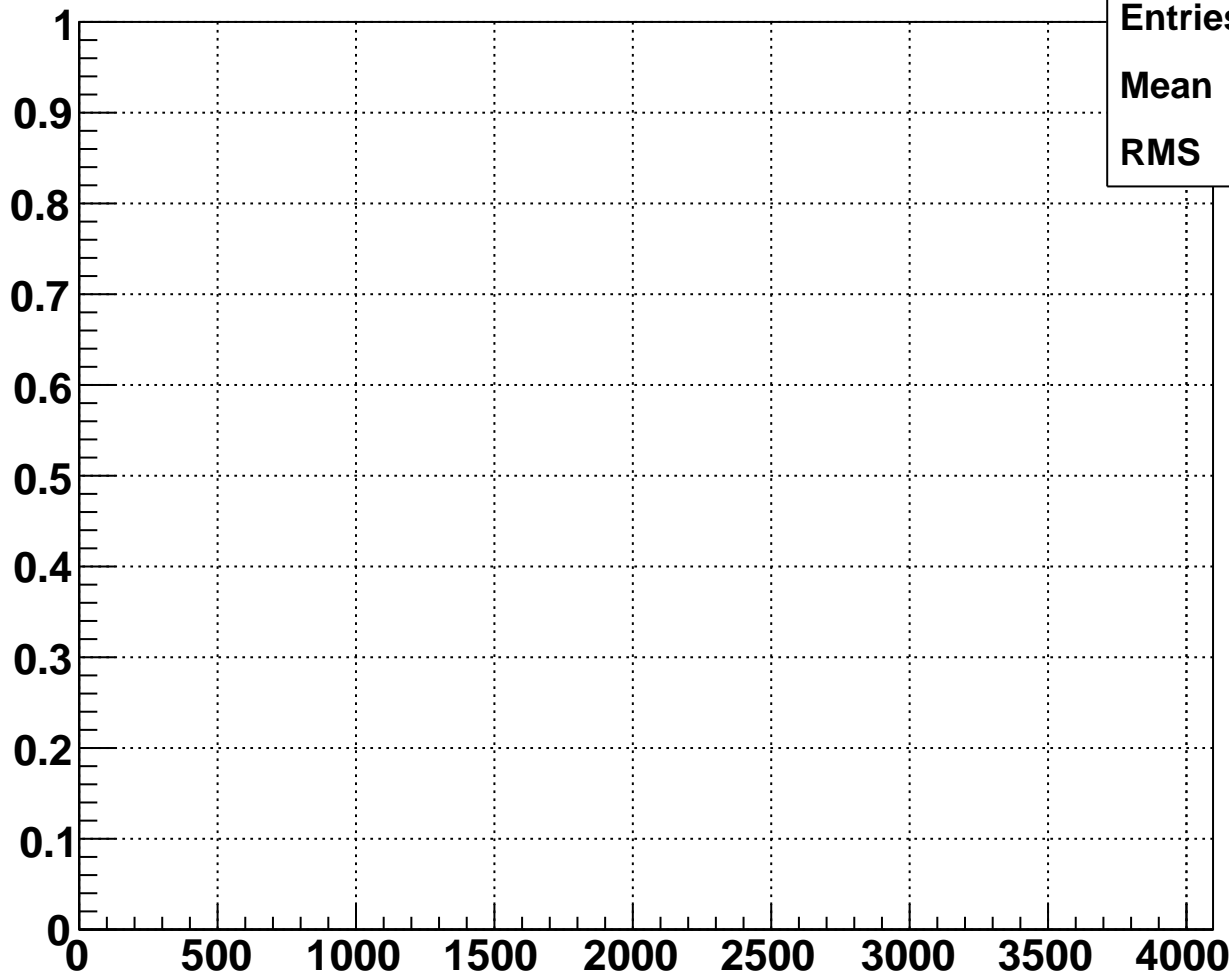
**FST - MIP peak non-ZS, RDO3\_ARM0\_PORT1\_SEC0****nonZS\_Section\_26**

Entries	10
Mean	709.2
RMS	343.6
$\chi^2$ / ndf	1.217 / 5
Constant	$54.08 \pm 922.93$
MPV	$-6798 \pm 39408.7$
Sigma	$1007 \pm 2429.2$

# FST - MIP peak non-ZS, RDO3\_ARM0\_PORT1\_SEC1

MIP\_nonZS\_Section\_27

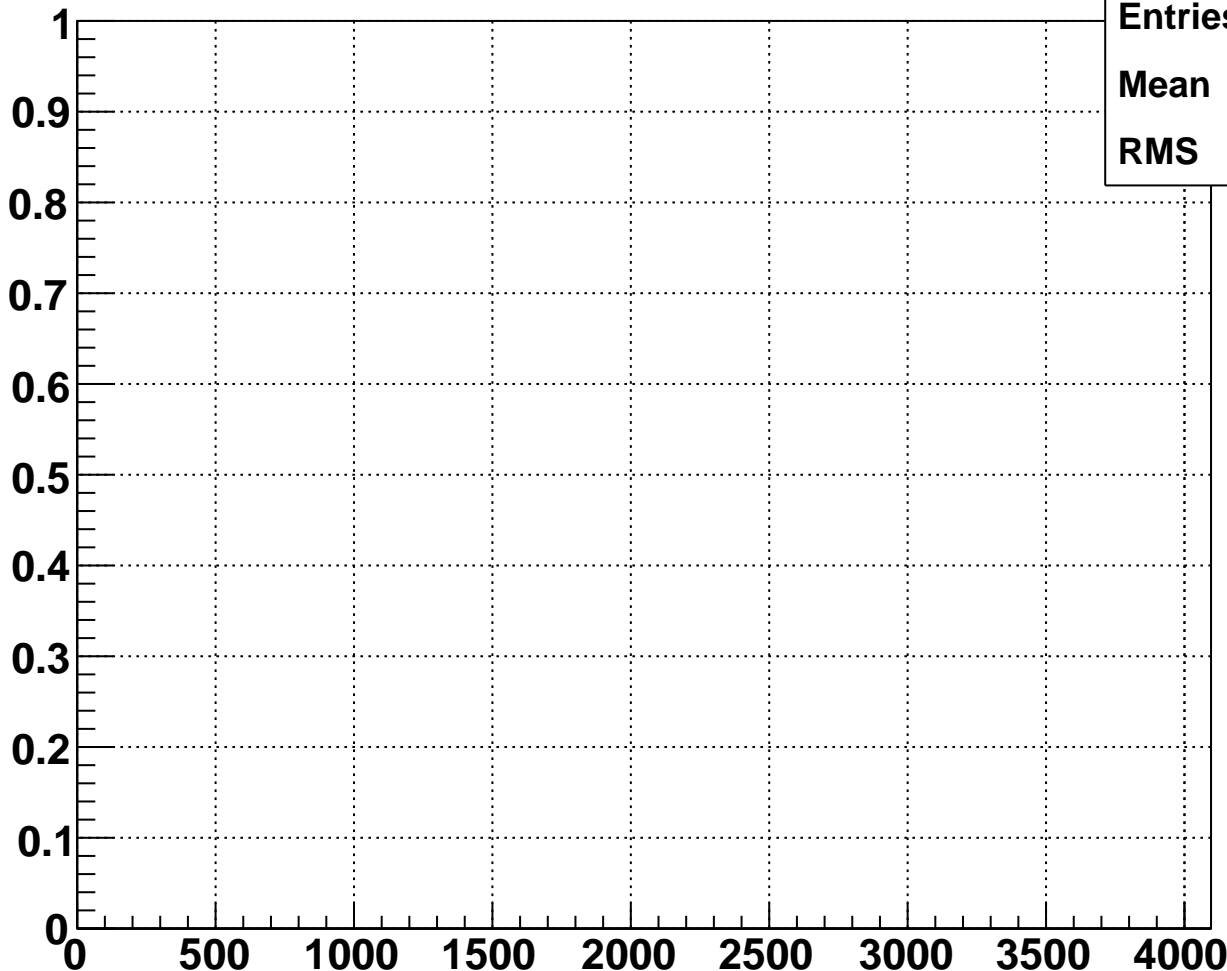
<b>Entries</b>	<b>0</b>
<b>Mean</b>	<b>0</b>
<b>RMS</b>	<b>0</b>



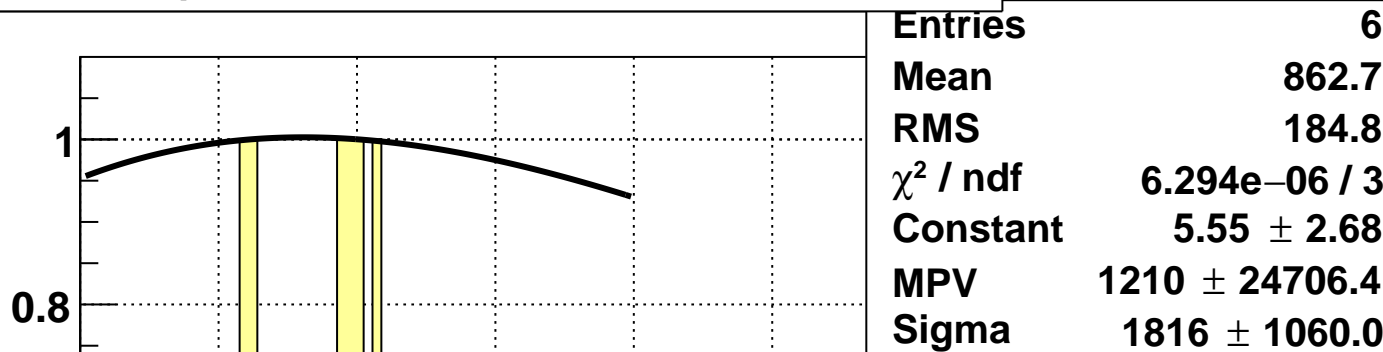
# FST - MIP peak non-ZS, RDO3\_ARM1\_PORT0\_SEC0

MIP\_nonZS\_Section\_28

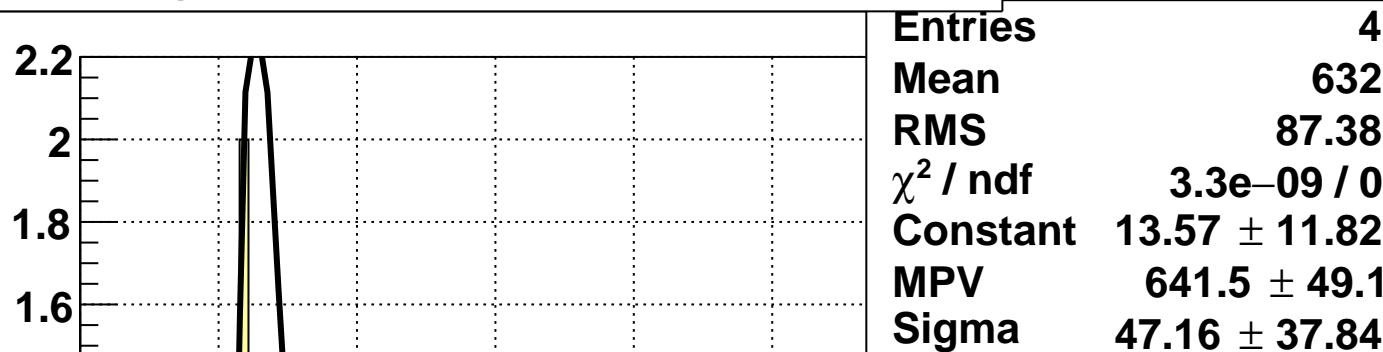
<b>Entries</b>	<b>0</b>
<b>Mean</b>	<b>0</b>
<b>RMS</b>	<b>0</b>



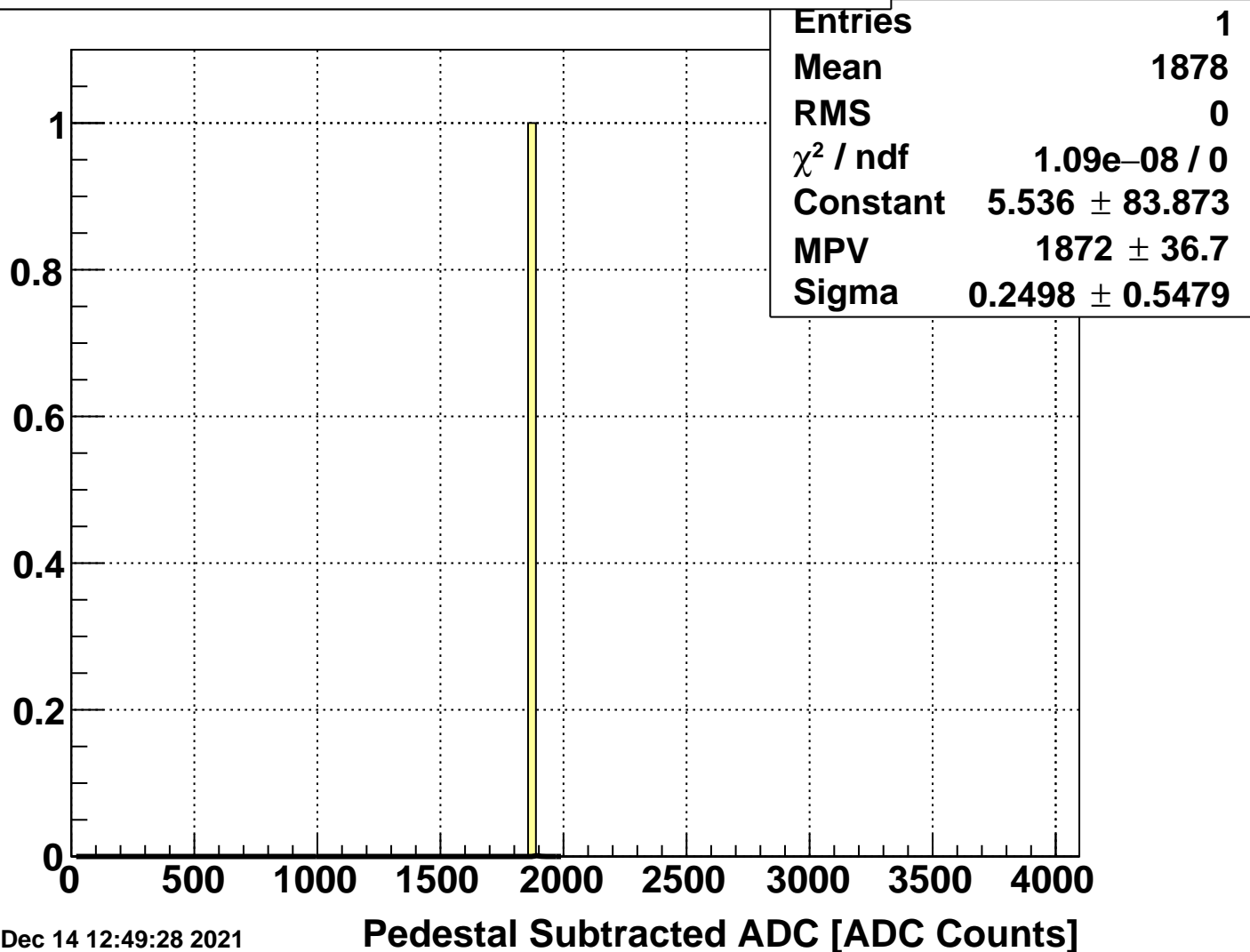
**FST - MIP peak non-ZS, RDO3\_ARM1\_PORT0\_SEC1** nonZS\_Section\_29



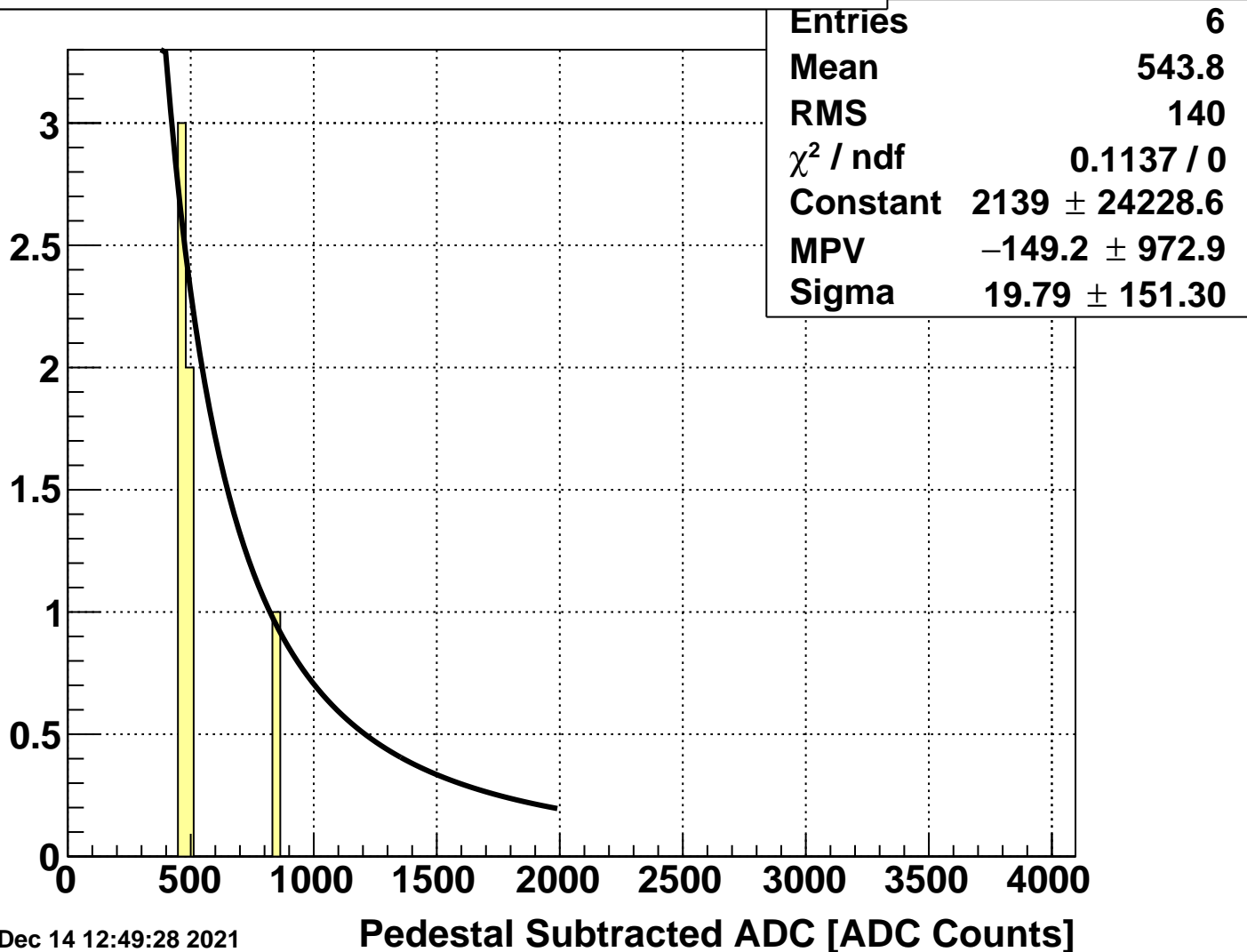
**FST - MIP peak non-ZS, RDO3\_ARM1\_PORT1\_SEC0** nonZS\_Section\_30



**FST - MIP peak non-ZS, RDO3\_ARM1\_PORT1\_SEC1** **nonZS\_Section\_31**

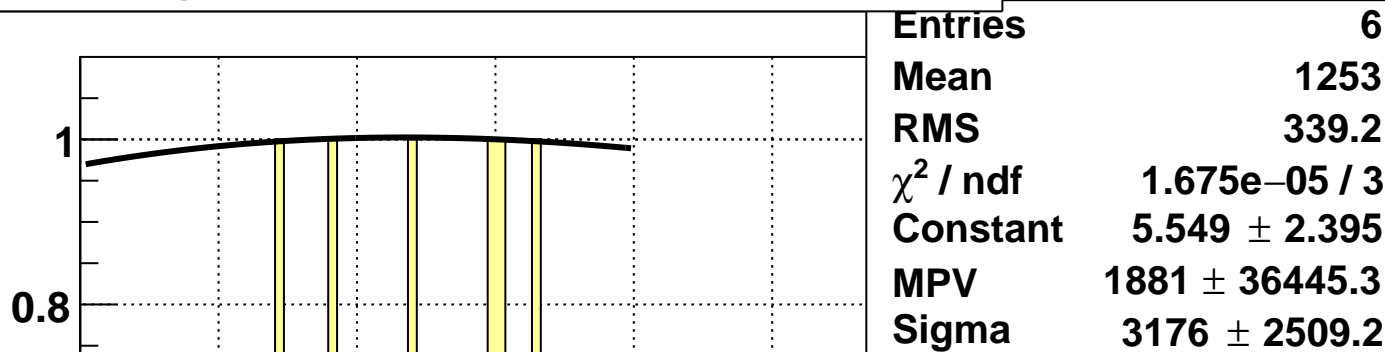


**FST - MIP peak non-ZS, RDO3\_ARM2\_PORT0\_SEC0** nonZS\_Section\_32





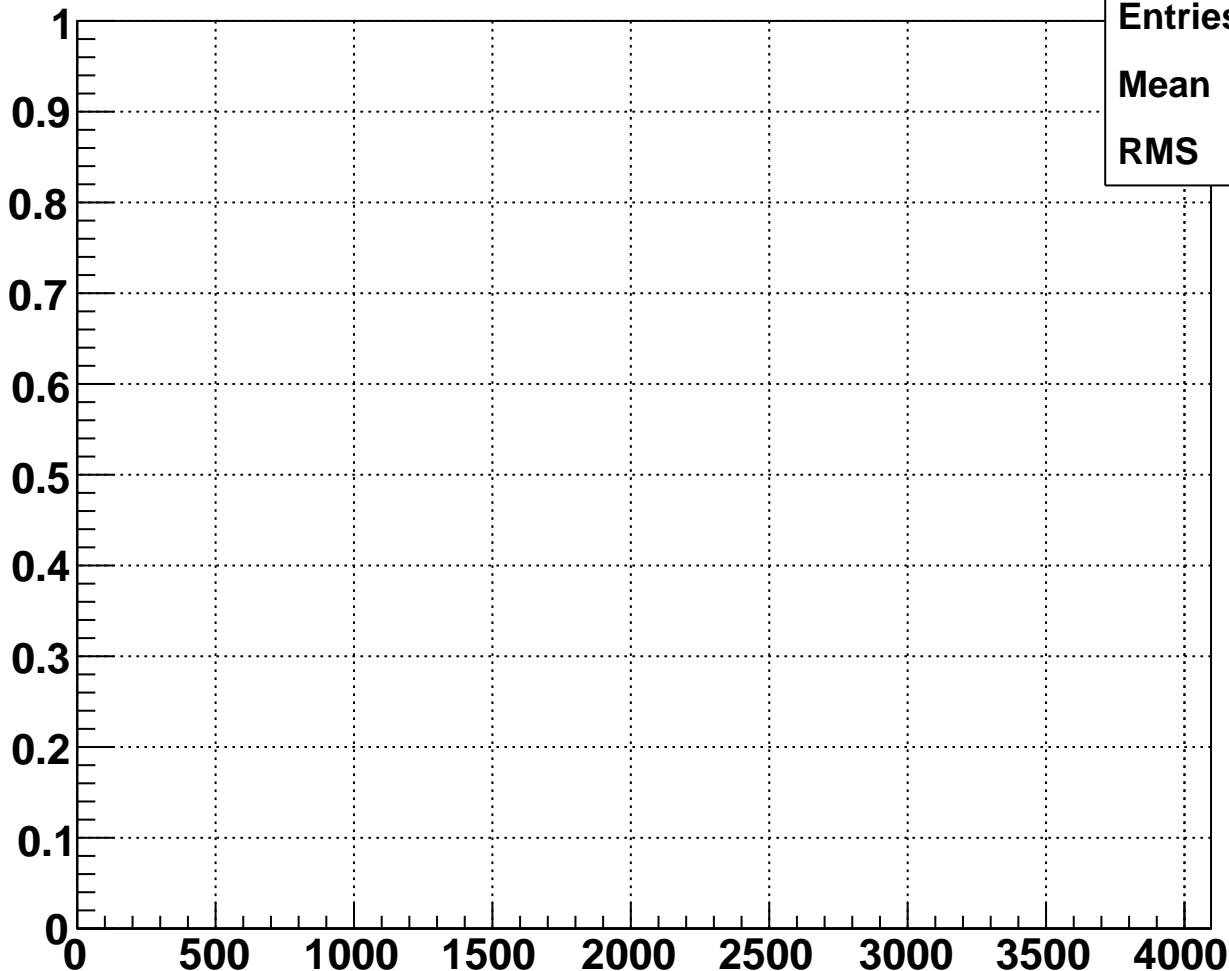
**FST - MIP peak non-ZS, RDO3\_ARM2\_PORT0\_SEC1** nonZS\_Section\_33



# FST - MIP peak non-ZS, RDO3\_ARM2\_PORT1\_SEC0

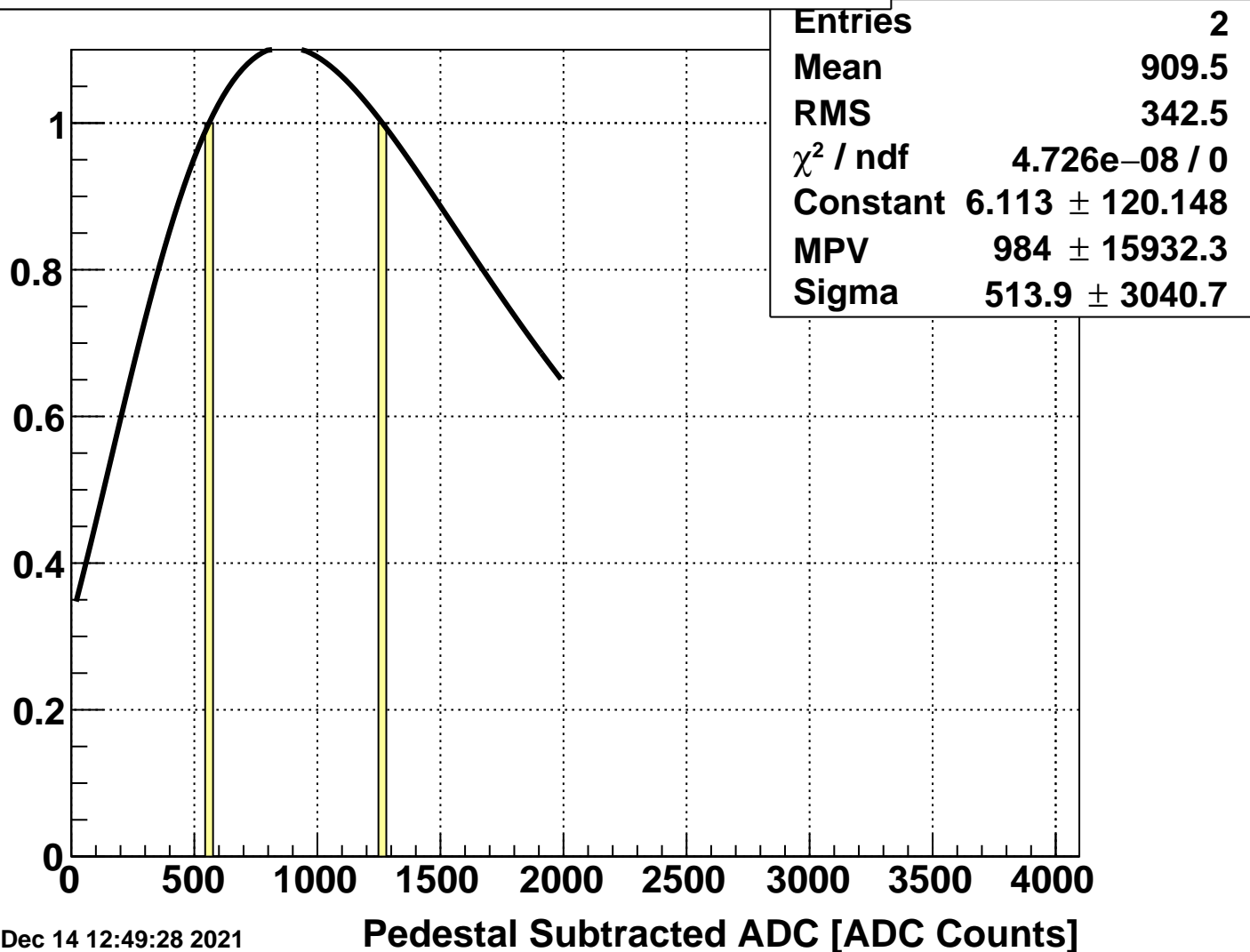
MIP\_nonZS\_Section\_34

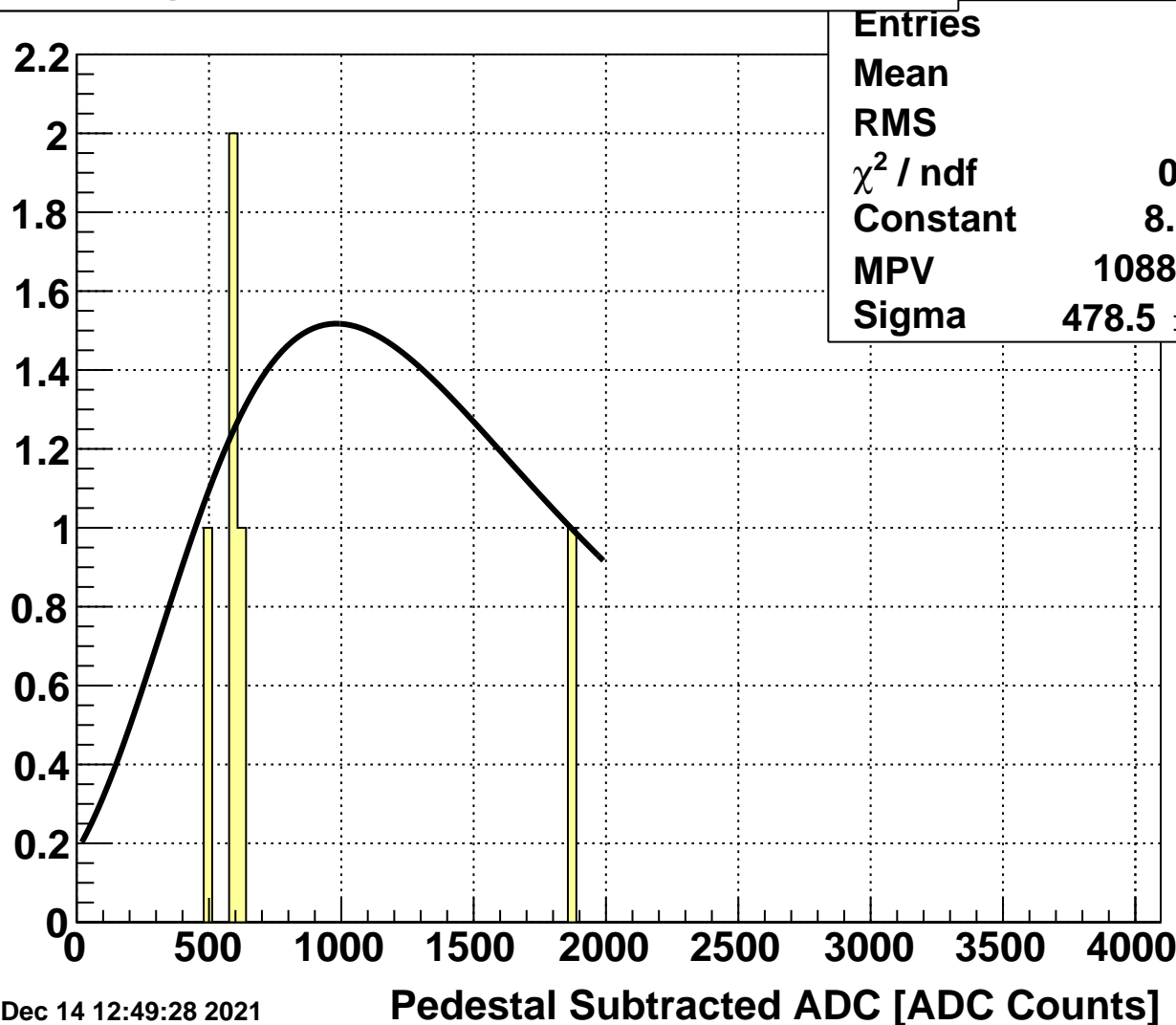
<b>Entries</b>	<b>0</b>
<b>Mean</b>	<b>0</b>
<b>RMS</b>	<b>0</b>



**Pedestal Subtracted ADC [ADC Counts]**

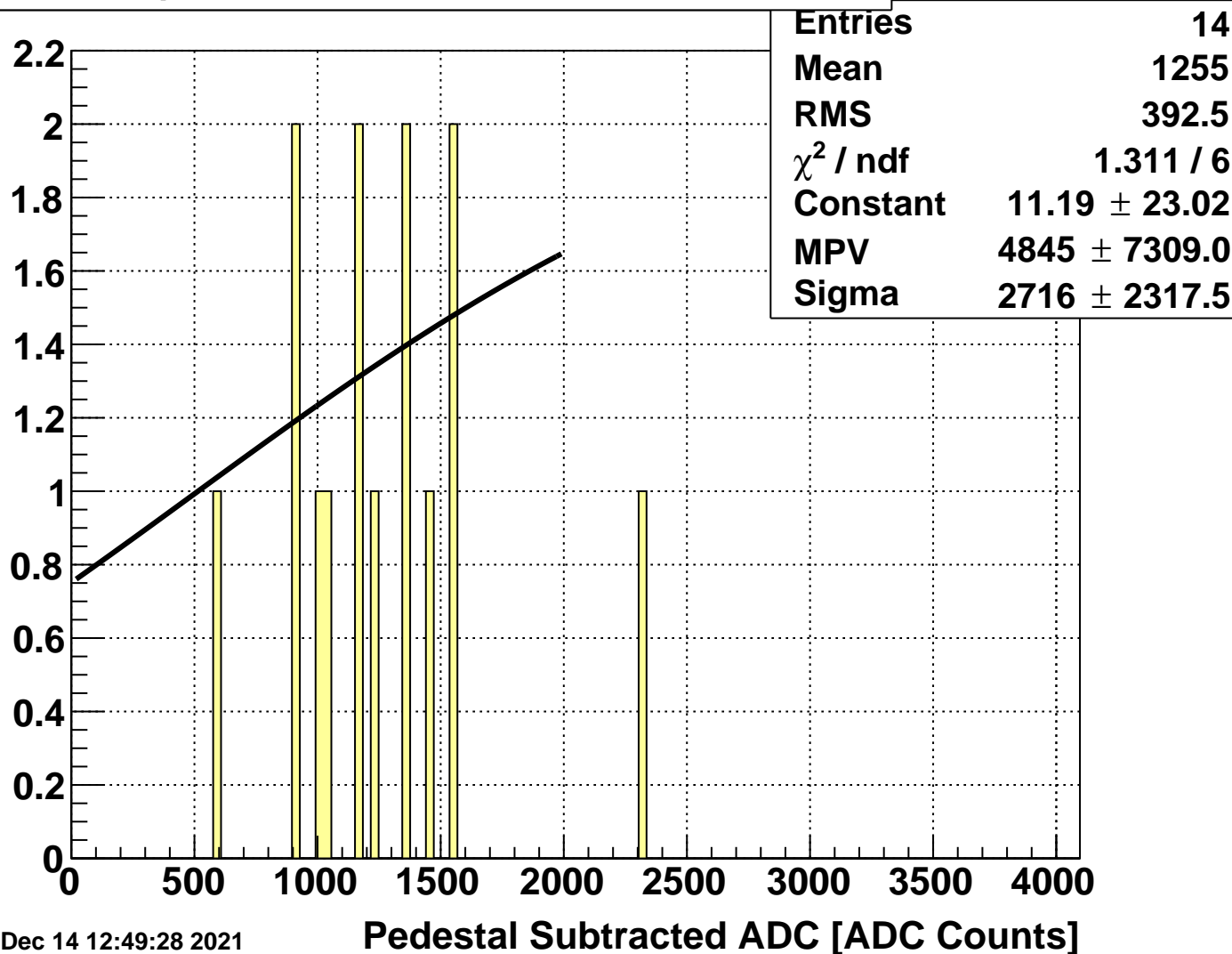
**FST - MIP peak non-ZS, RDO3\_ARM2\_PORT1\_SEC1** nonZS\_Section\_35



**FST - MIP peak non-ZS, RDO4\_ARM0\_PORT0\_SEC0****nonZS\_Section\_36**

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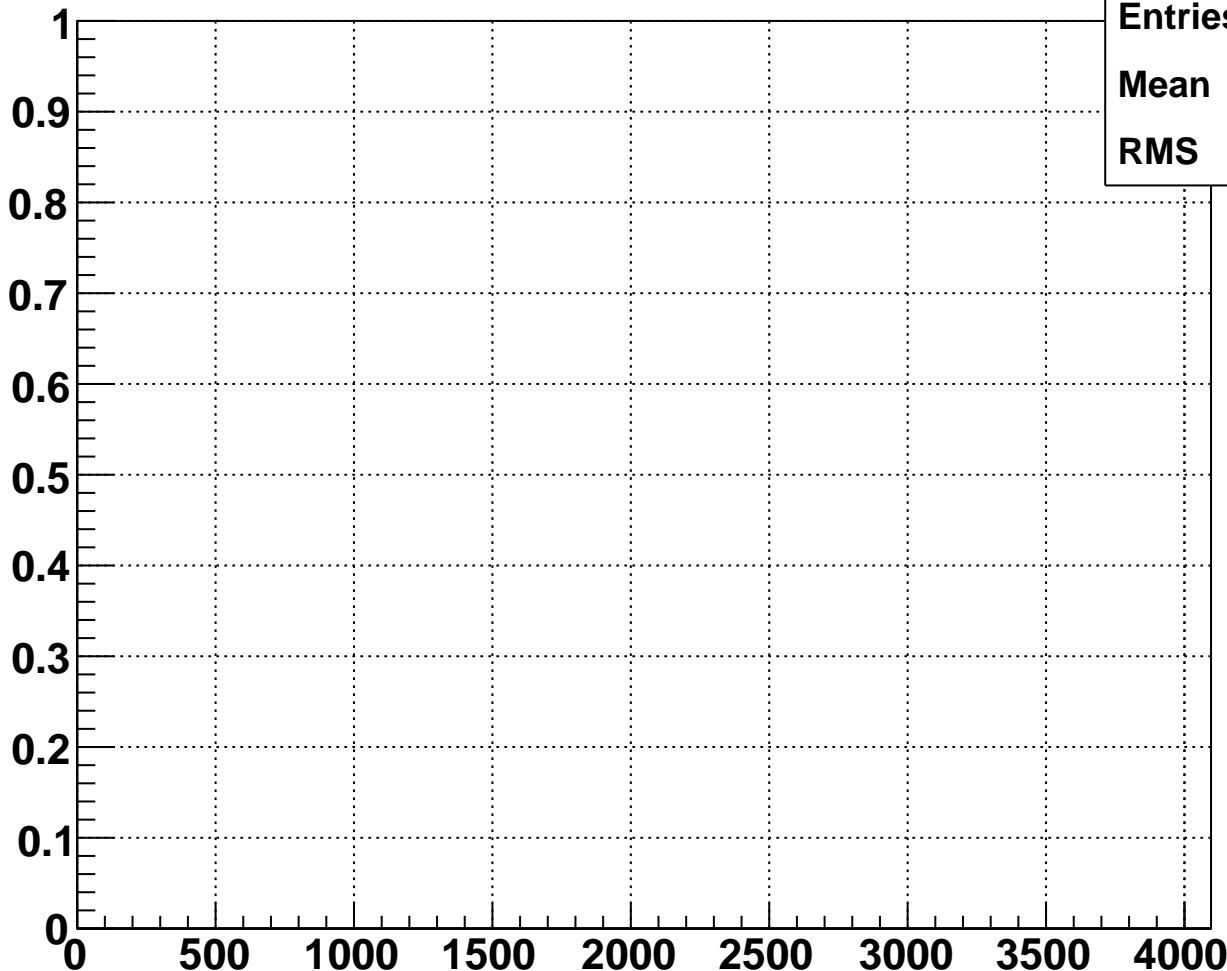
**FST - MIP peak non-ZS, RDO4\_ARM0\_PORT0\_SEC1** nonZS\_Section\_37



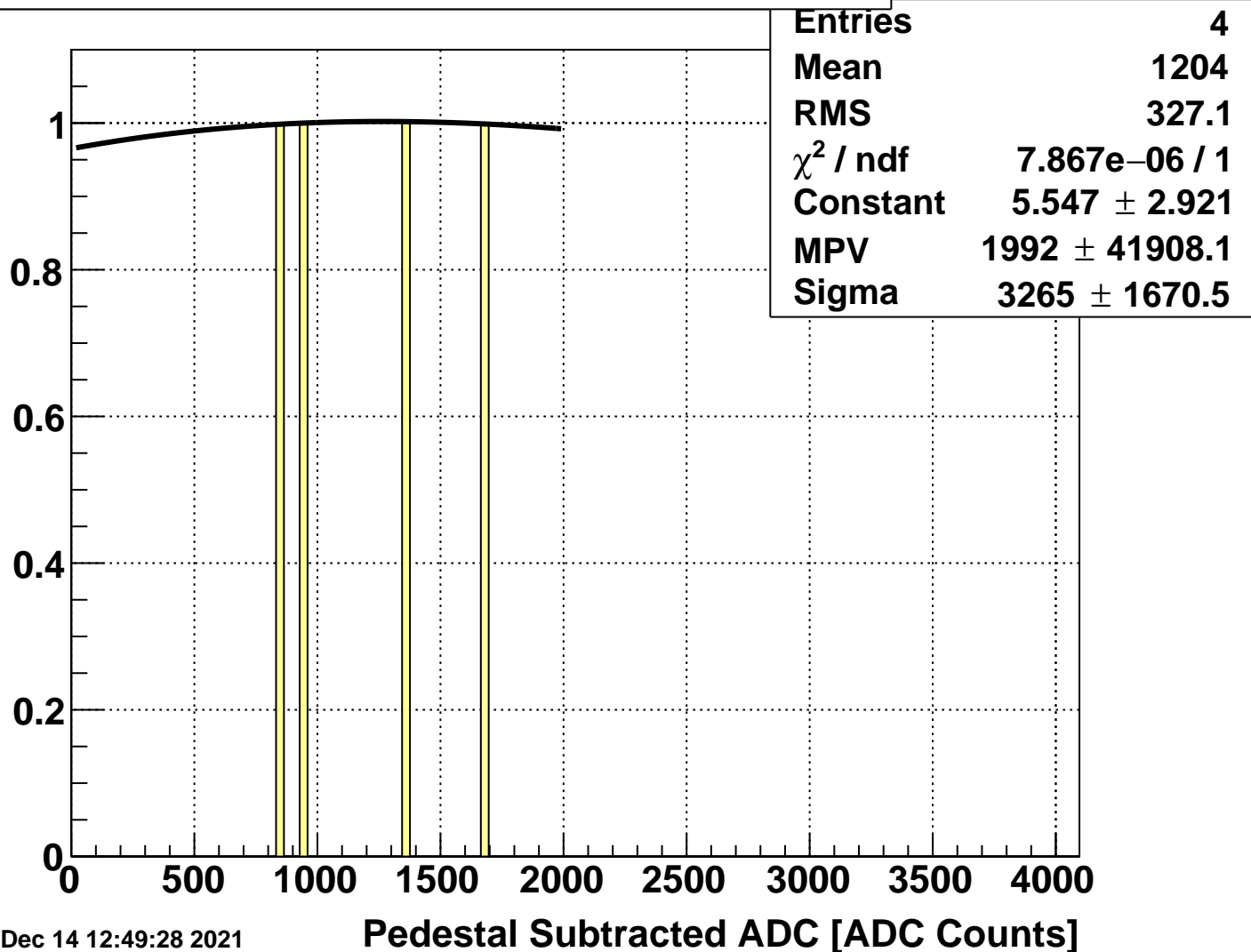
# FST - MIP peak non-ZS, RDO4\_ARM0\_PORT1\_SEC0

MIP\_nonZS\_Section\_38

<b>Entries</b>	<b>0</b>
<b>Mean</b>	<b>0</b>
<b>RMS</b>	<b>0</b>



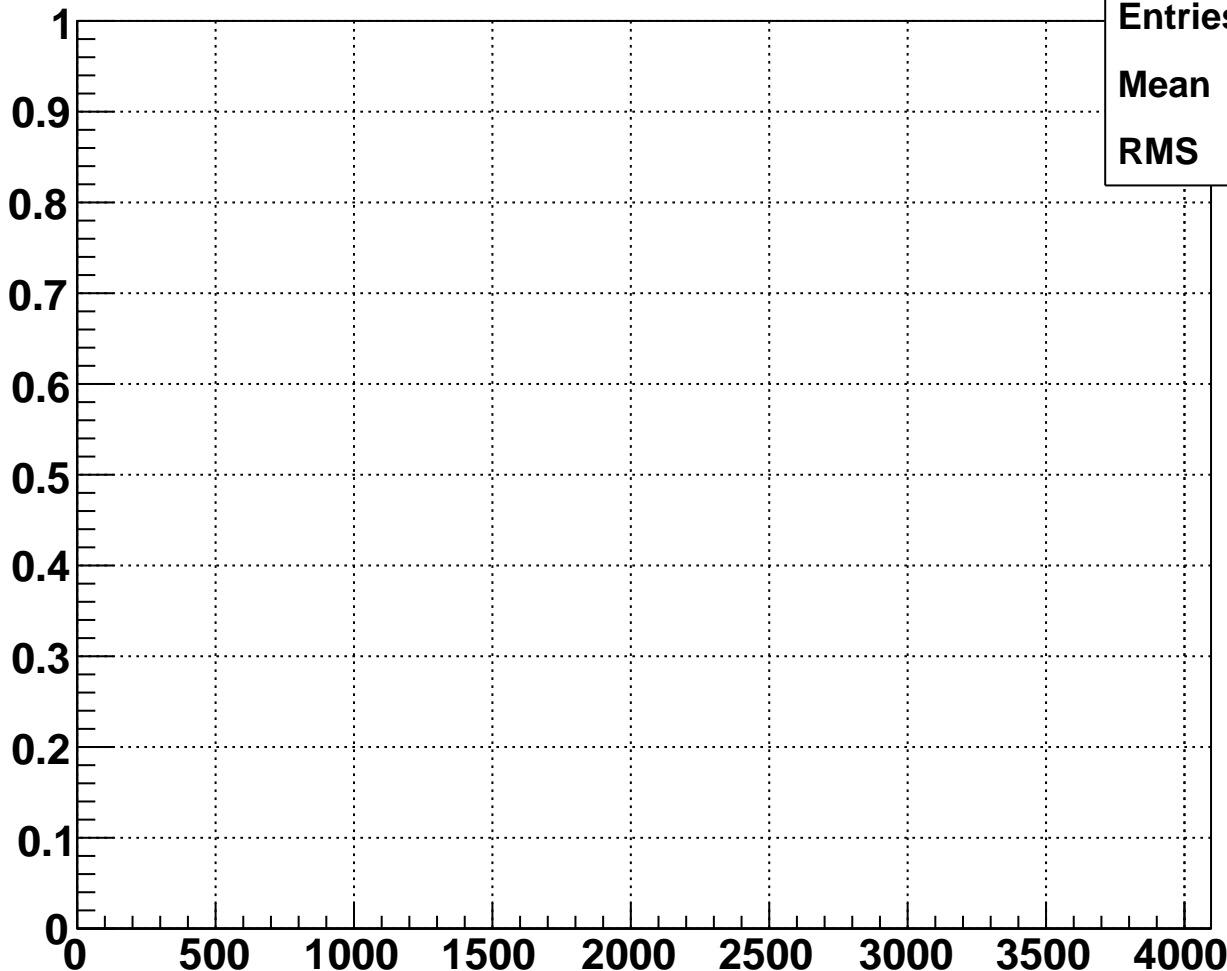
**FST - MIP peak non-ZS, RDO4\_ARM0\_PORT1\_SEC1** nonZS\_Section\_39



# FST - MIP peak non-ZS, RDO4\_ARM1\_PORT0\_SEC0

MIP\_nonZS\_Section\_40

<b>Entries</b>	<b>0</b>
<b>Mean</b>	<b>0</b>
<b>RMS</b>	<b>0</b>

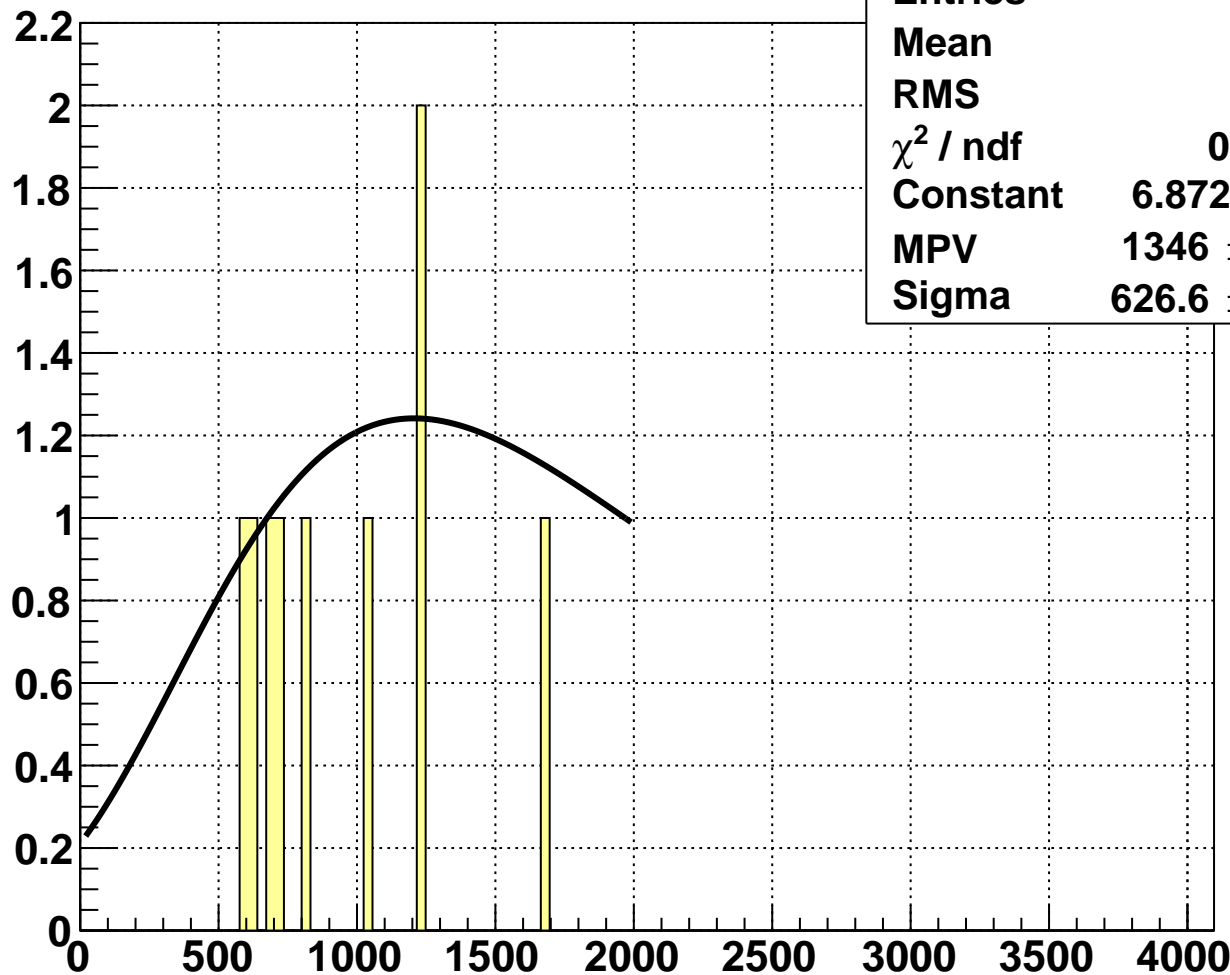


**Pedestal Subtracted ADC [ADC Counts]**

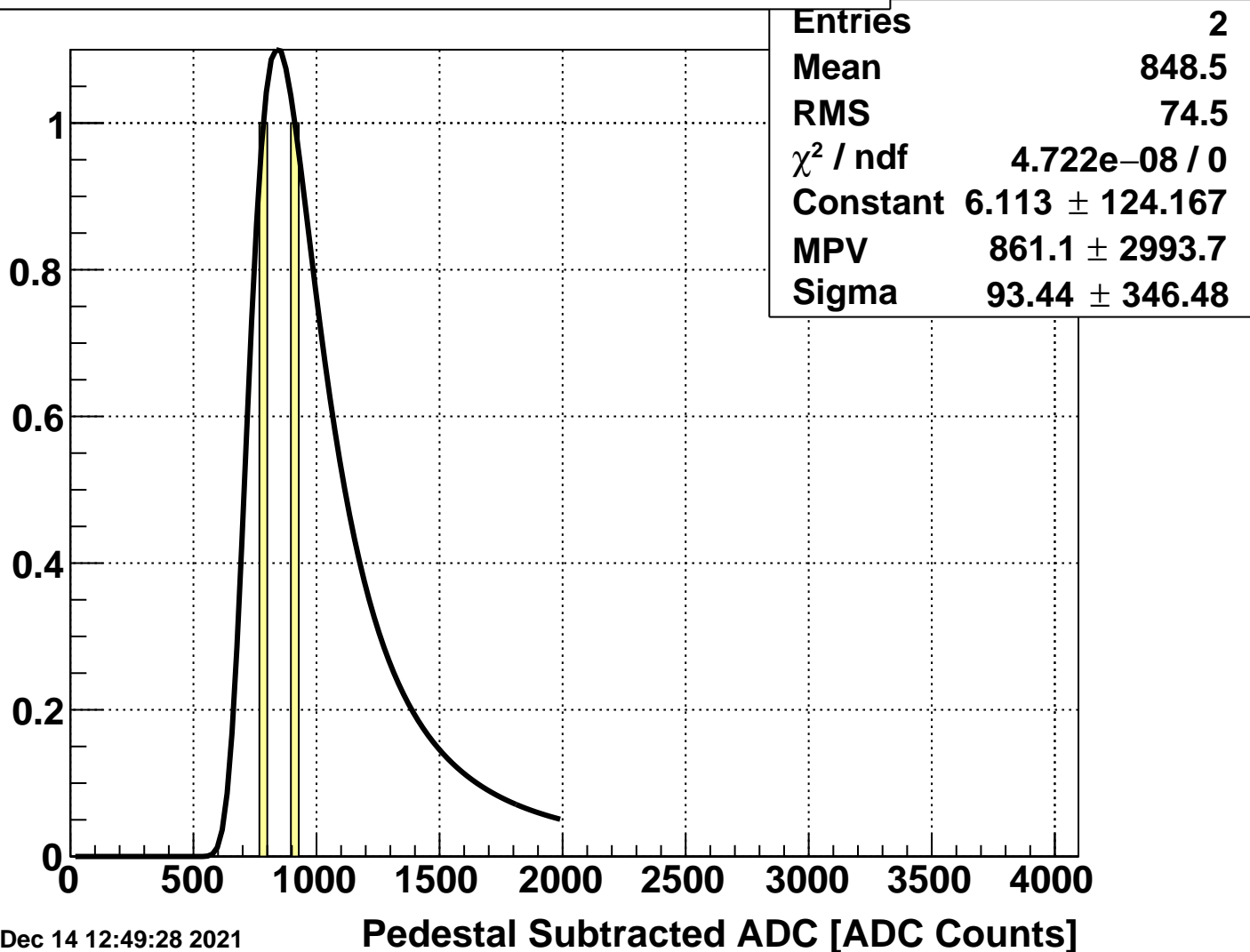


**FST - MIP peak non-ZS, RDO4\_ARM1\_PORT0\_SEC1** nonZS\_Section\_41

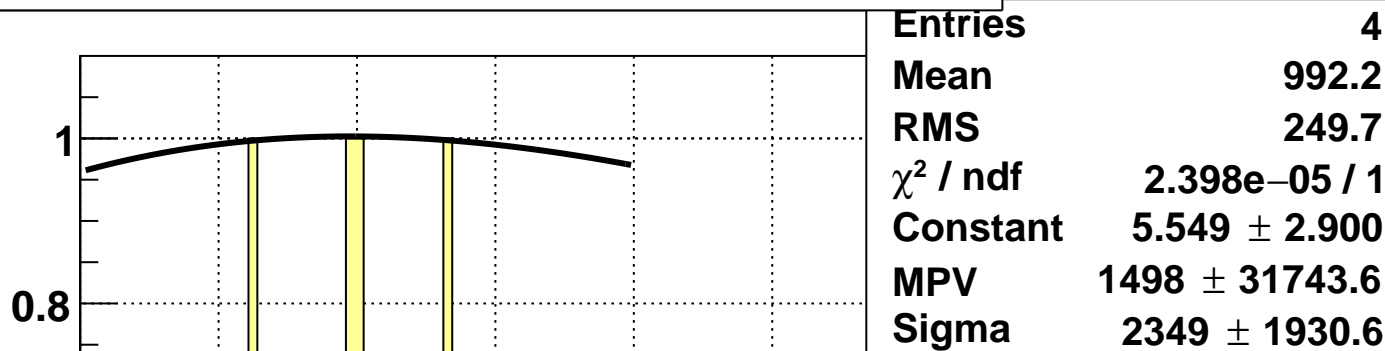
Entries	9
Mean	961.9
RMS	346.4
$\chi^2 / \text{ndf}$	0.3779 / 5
Constant	$6.872 \pm 3.829$
MPV	$1346 \pm 1384.8$
Sigma	$626.6 \pm 2017.3$



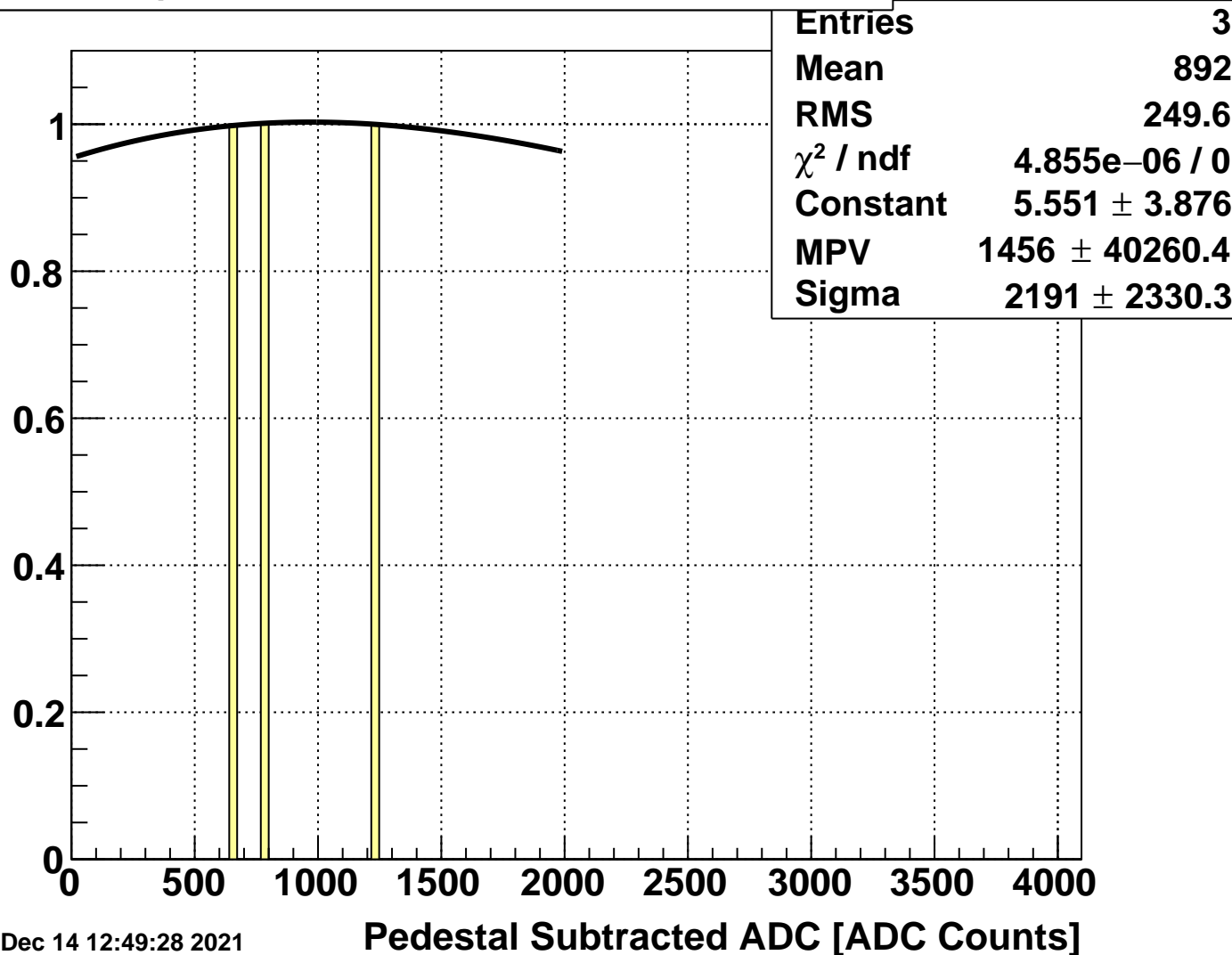
**FST - MIP peak non-ZS, RDO4\_ARM1\_PORT1\_SEC0** nonZS\_Section\_42



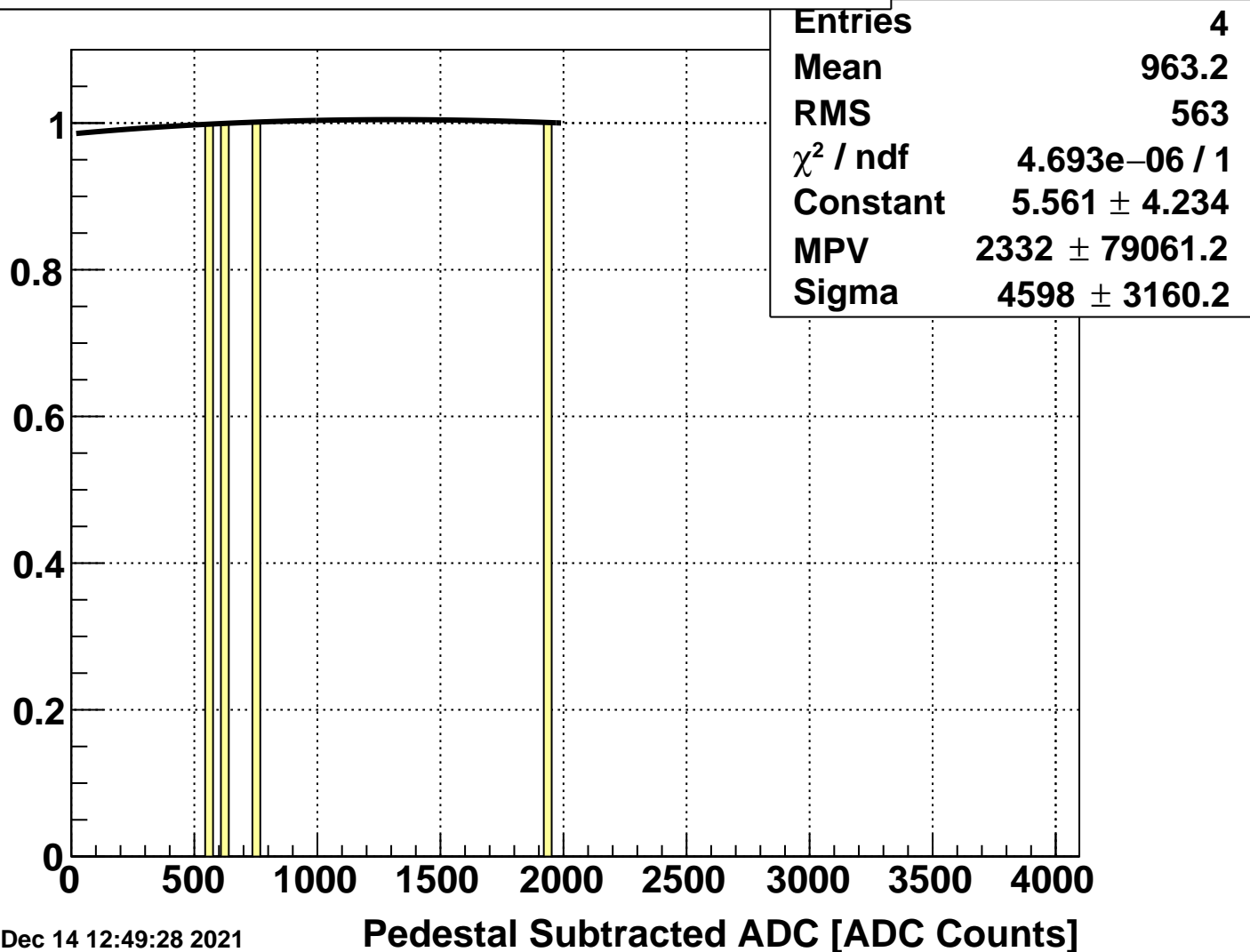
**FST - MIP peak non-ZS, RDO4\_ARM1\_PORT1\_SEC1** **nonZS\_Section\_43**

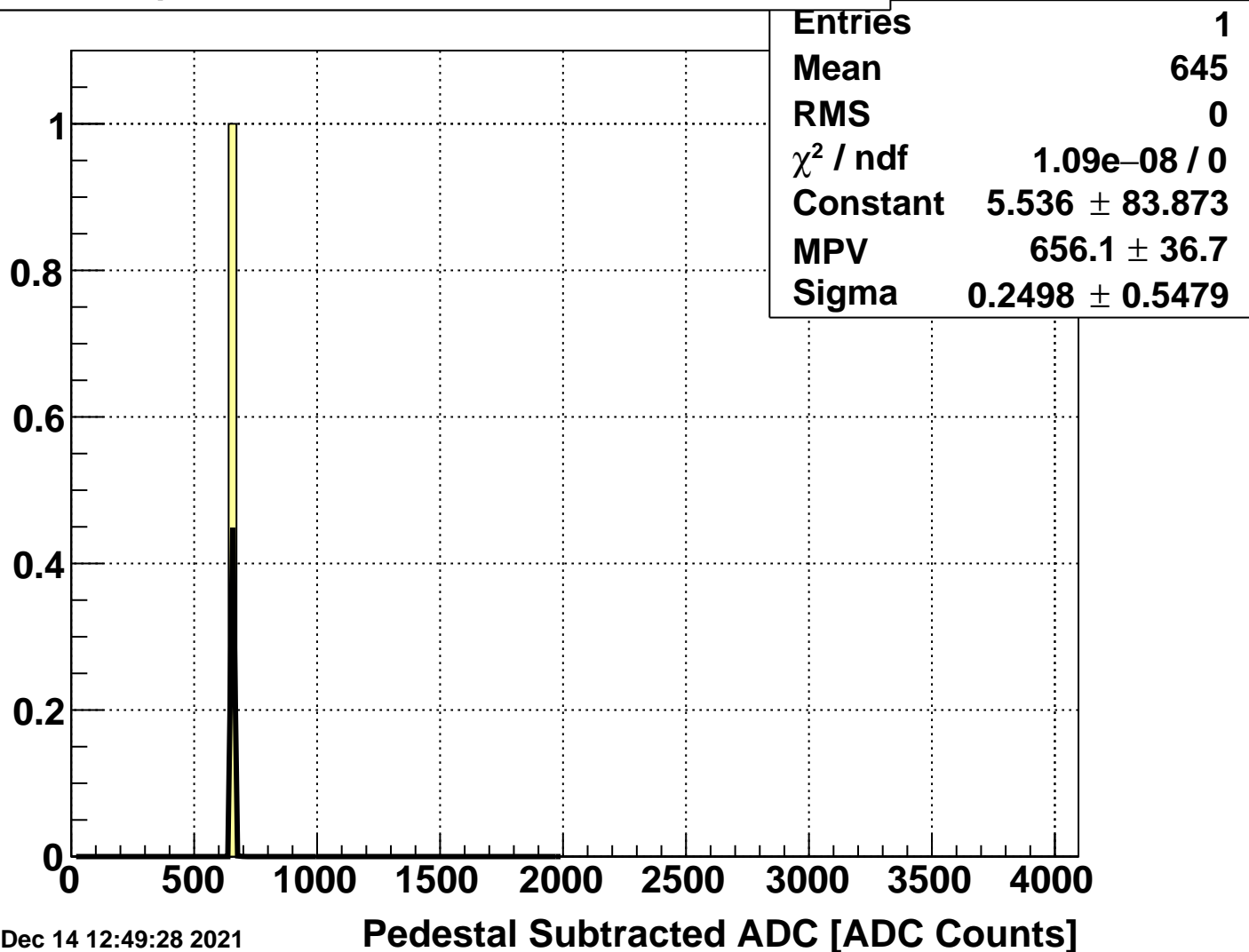


**FST - MIP peak non-ZS, RDO4\_ARM2\_PORT0\_SEC0** **nonZS\_Section\_44**



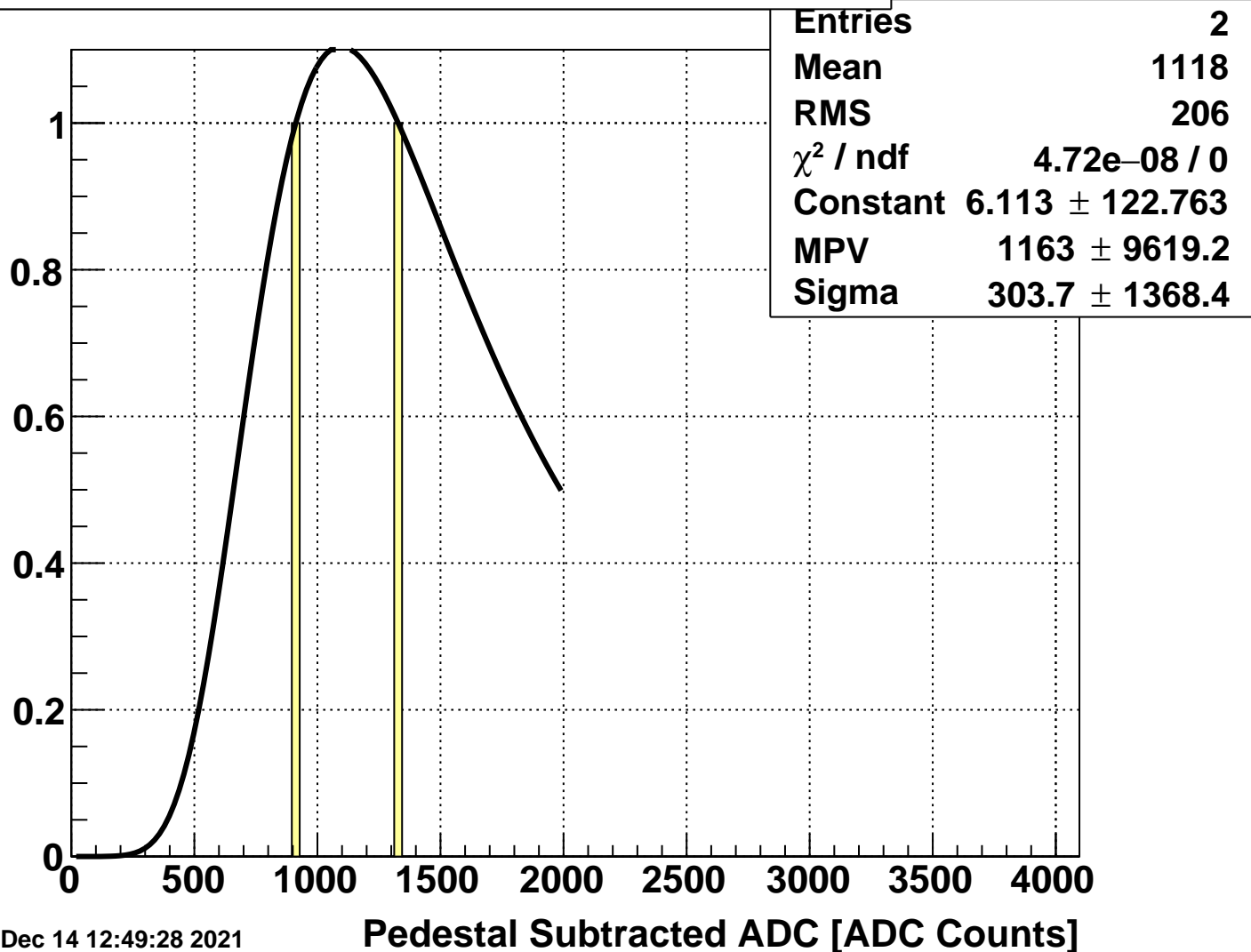
**FST - MIP peak non-ZS, RDO4\_ARM2\_PORT0\_SEC1** **nonZS\_Section\_45**



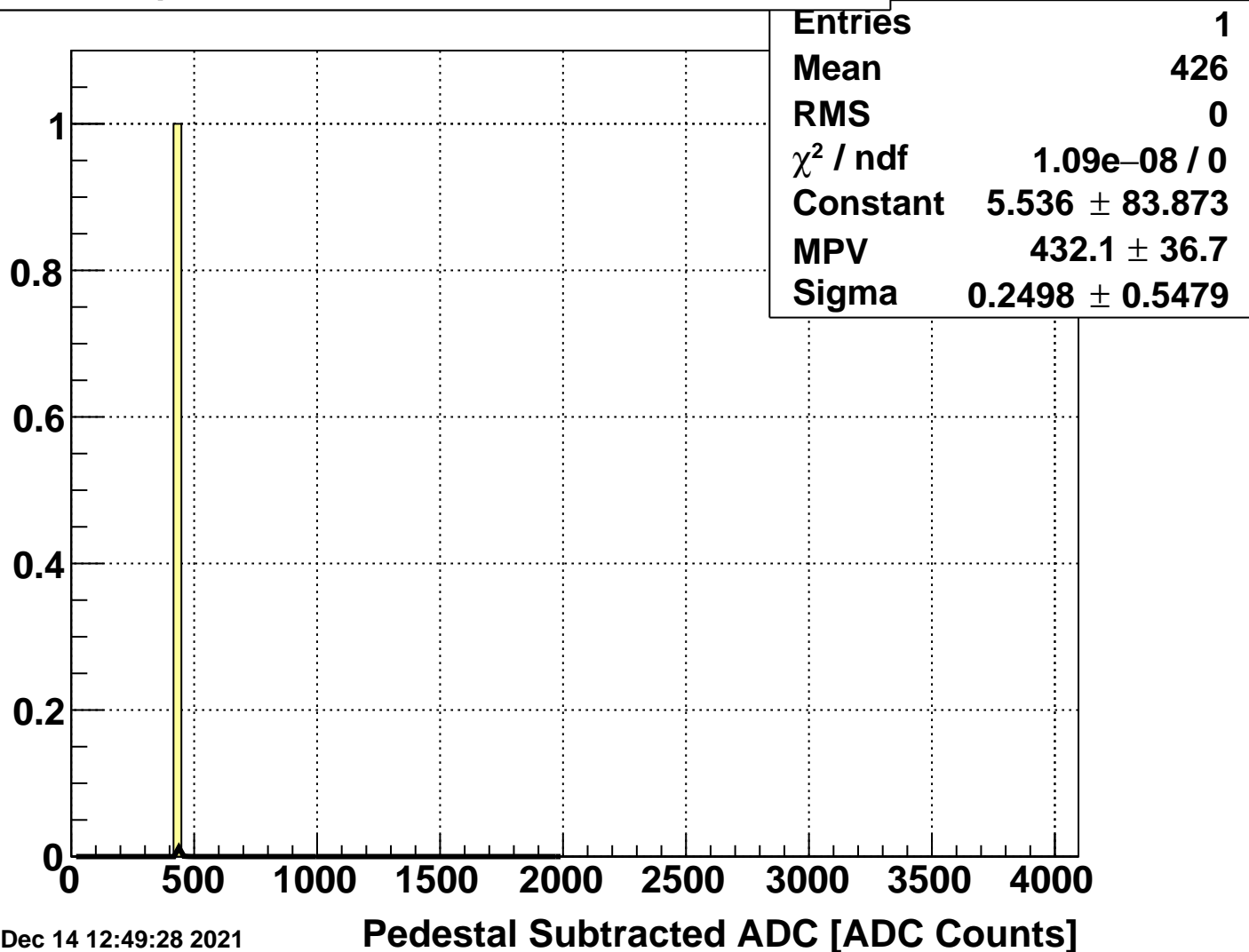
**FST - MIP peak non-ZS, RDO4\_ARM2\_PORT1\_SEC0****nonZS\_Section\_46**

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**FST - MIP peak non-ZS, RDO4\_ARM2\_PORT1\_SEC1** nonZS\_Section\_47

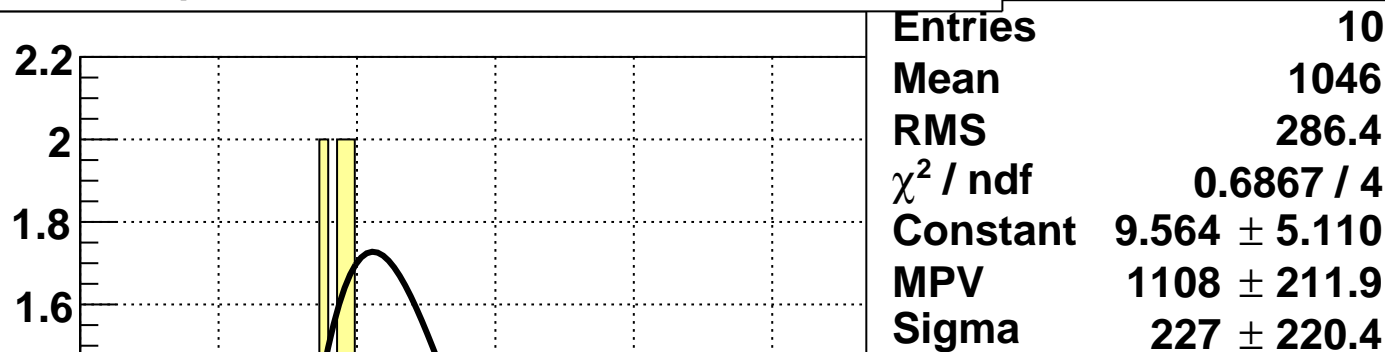


**FST - MIP peak non-ZS, RDO5\_ARM0\_PORT0\_SEC0** **nonZS\_Section\_48**

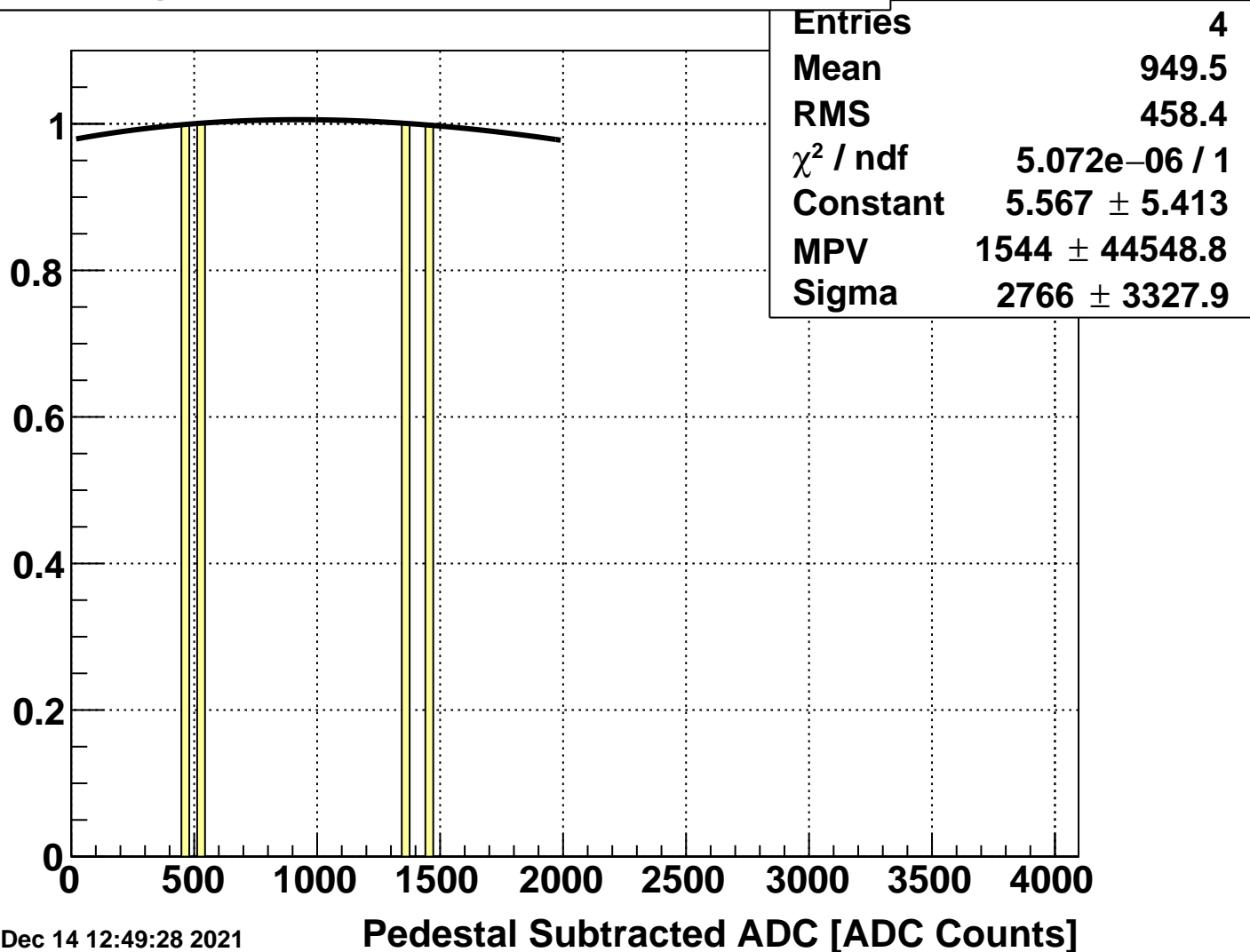




**FST - MIP peak non-ZS, RDO5\_ARM0\_PORT0\_SEC1** nonZS\_Section\_49



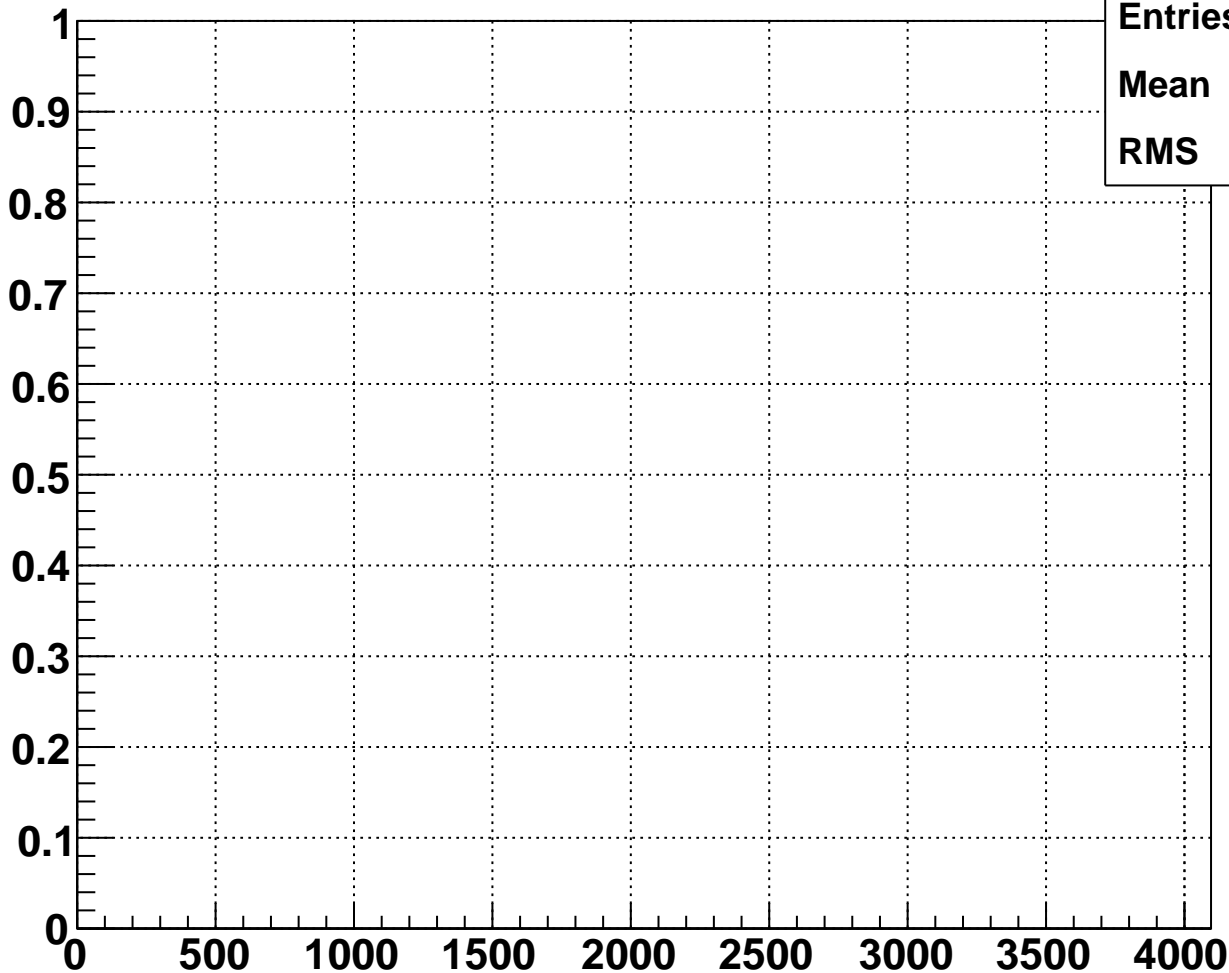
**FST - MIP peak non-ZS, RDO5\_ARM0\_PORT1\_SEC0** **nonZS\_Section\_50**



# FST - MIP peak non-ZS, RDO5\_ARM0\_PORT1\_SEC1

MIP\_nonZS\_Section\_51

<b>Entries</b>	<b>0</b>
<b>Mean</b>	<b>0</b>
<b>RMS</b>	<b>0</b>

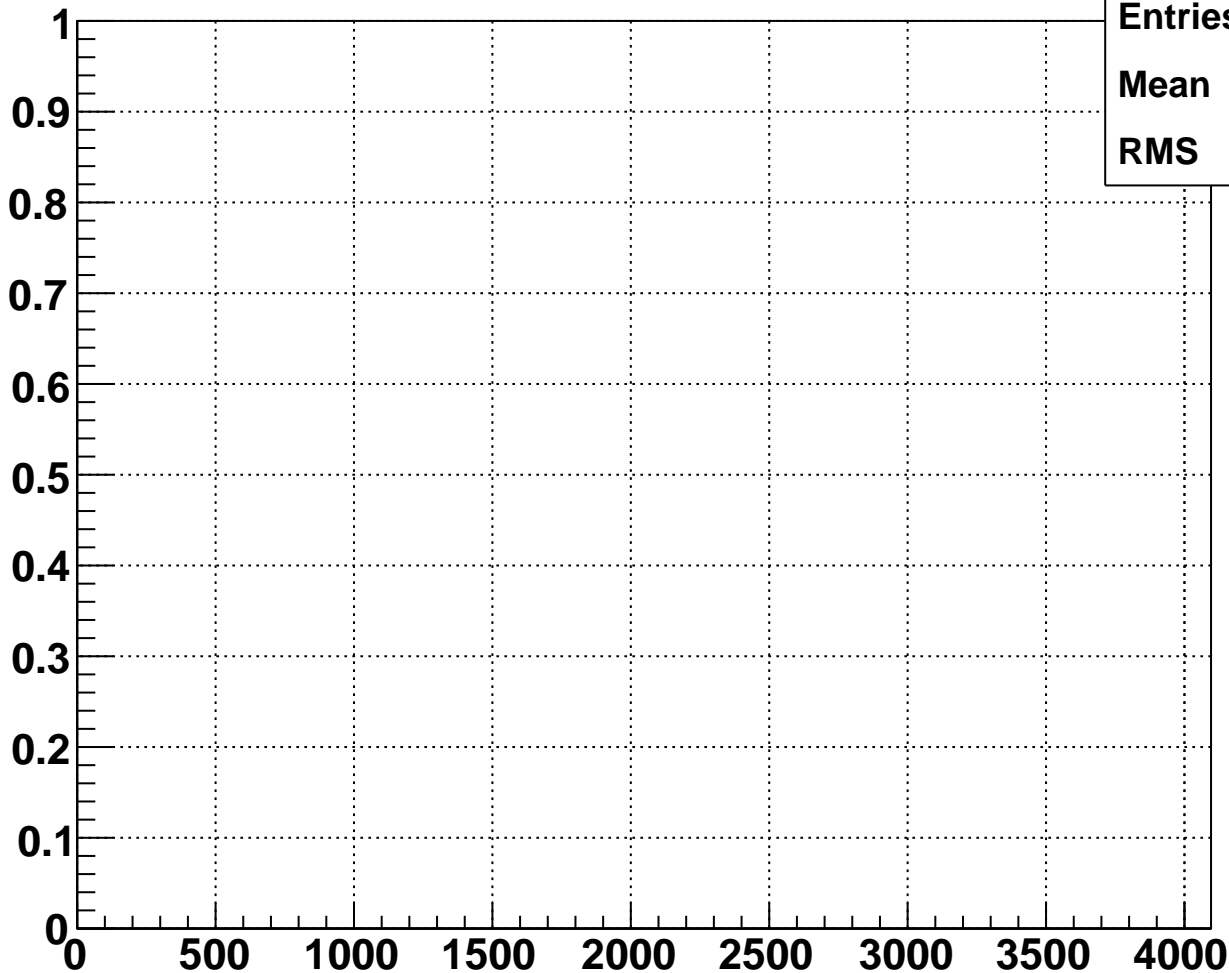


**Pedestal Subtracted ADC [ADC Counts]**

# FST - MIP peak non-ZS, RDO5\_ARM1\_PORT0\_SEC0

MIP\_nonZS\_Section\_52

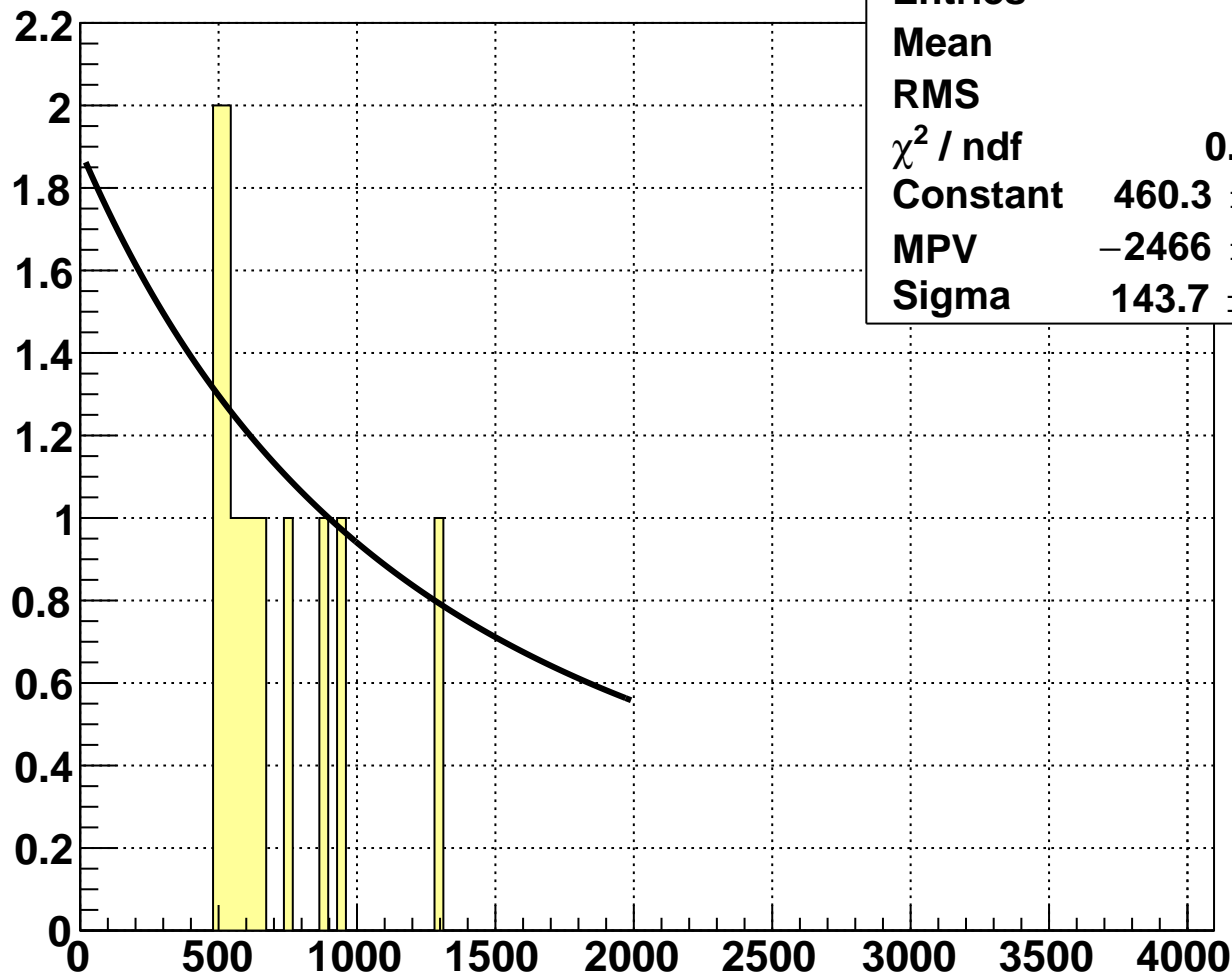
<b>Entries</b>	<b>0</b>
<b>Mean</b>	<b>0</b>
<b>RMS</b>	<b>0</b>



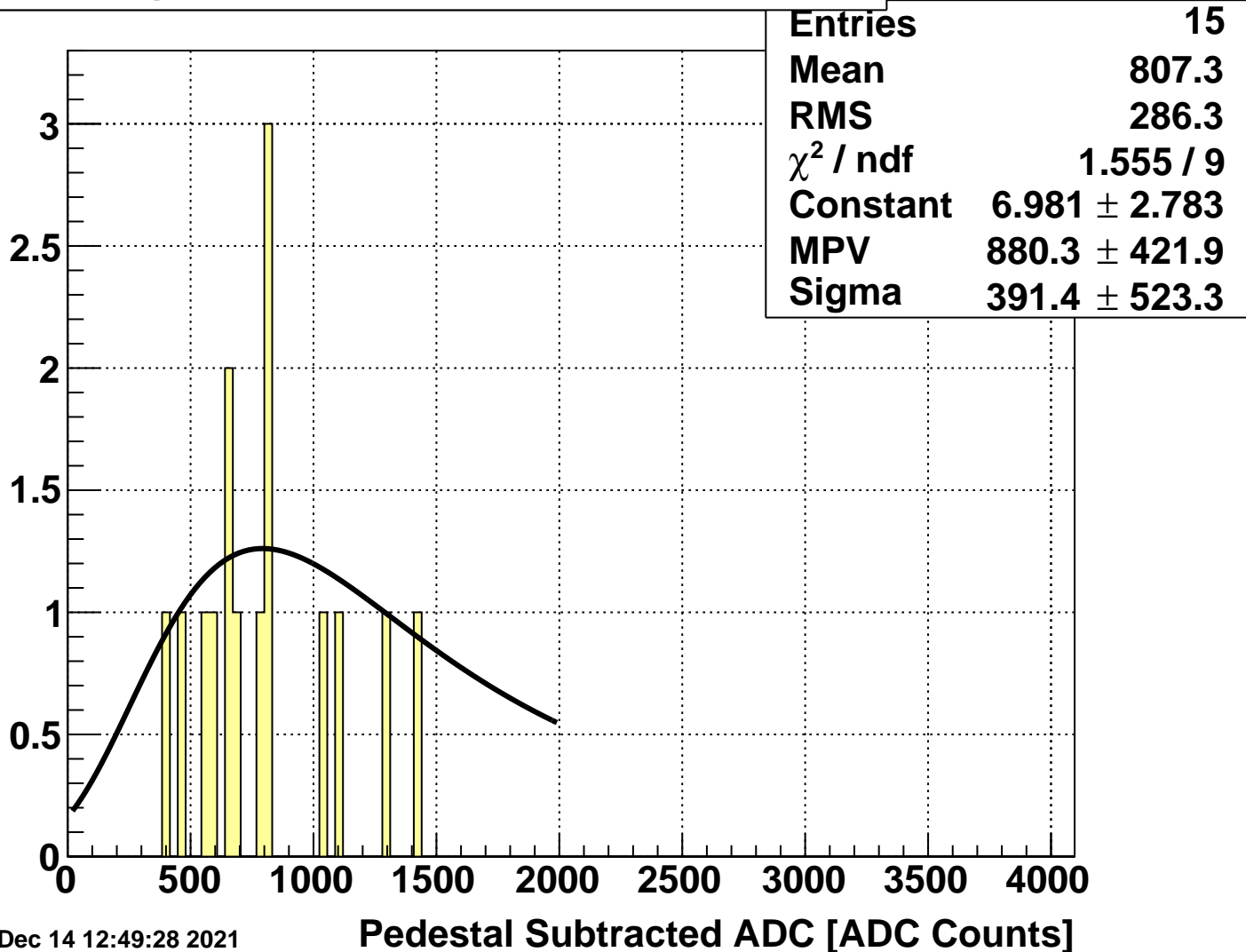
**Pedestal Subtracted ADC [ADC Counts]**

**FST - MIP peak non-ZS, RDO5\_ARM1\_PORT0\_SEC1** nonZS\_Section\_53

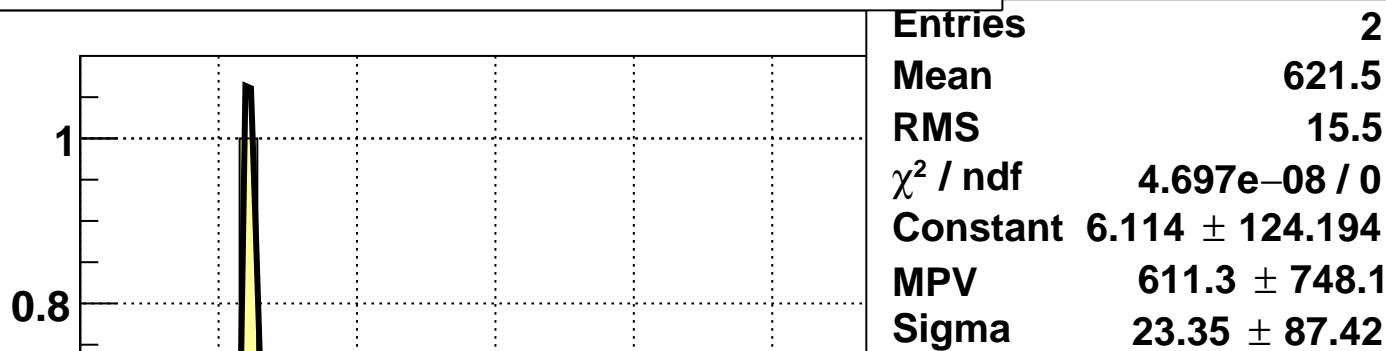
Entries	12
Mean	694
RMS	228.7
$\chi^2 / \text{ndf}$	0.7343 / 7
Constant	460.3 $\pm$ 3659.1
MPV	-2466 $\pm$ 9170.1
Sigma	143.7 $\pm$ 1168.3



**FST - MIP peak non-ZS, RDO5\_ARM1\_PORT1\_SEC0** nonZS\_Section\_54



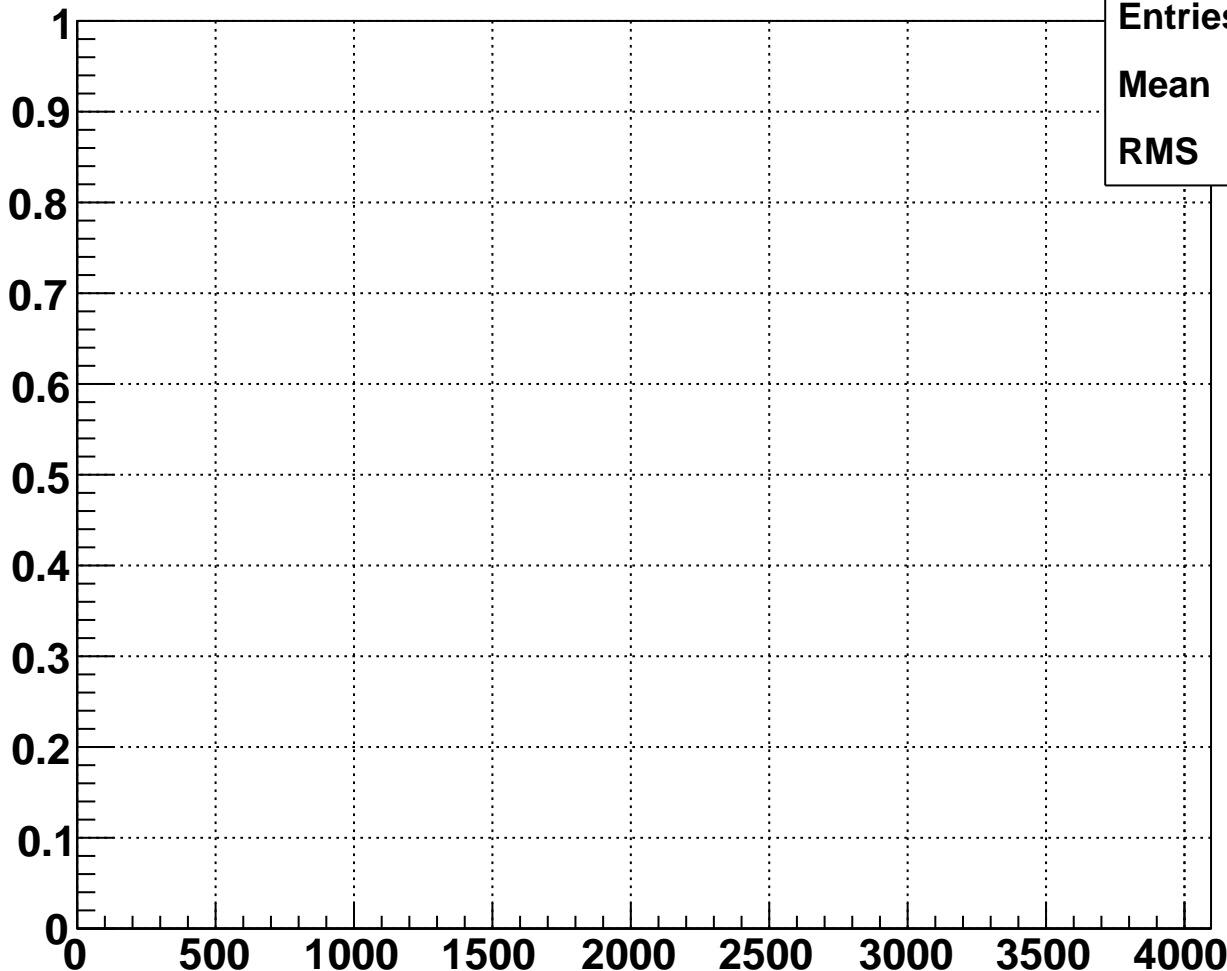
**FST - MIP peak non-ZS, RDO5\_ARM1\_PORT1\_SEC1** nonZS\_Section\_55



# FST - MIP peak non-ZS, RDO5\_ARM2\_PORT0\_SEC0

MIP\_nonZS\_Section\_56

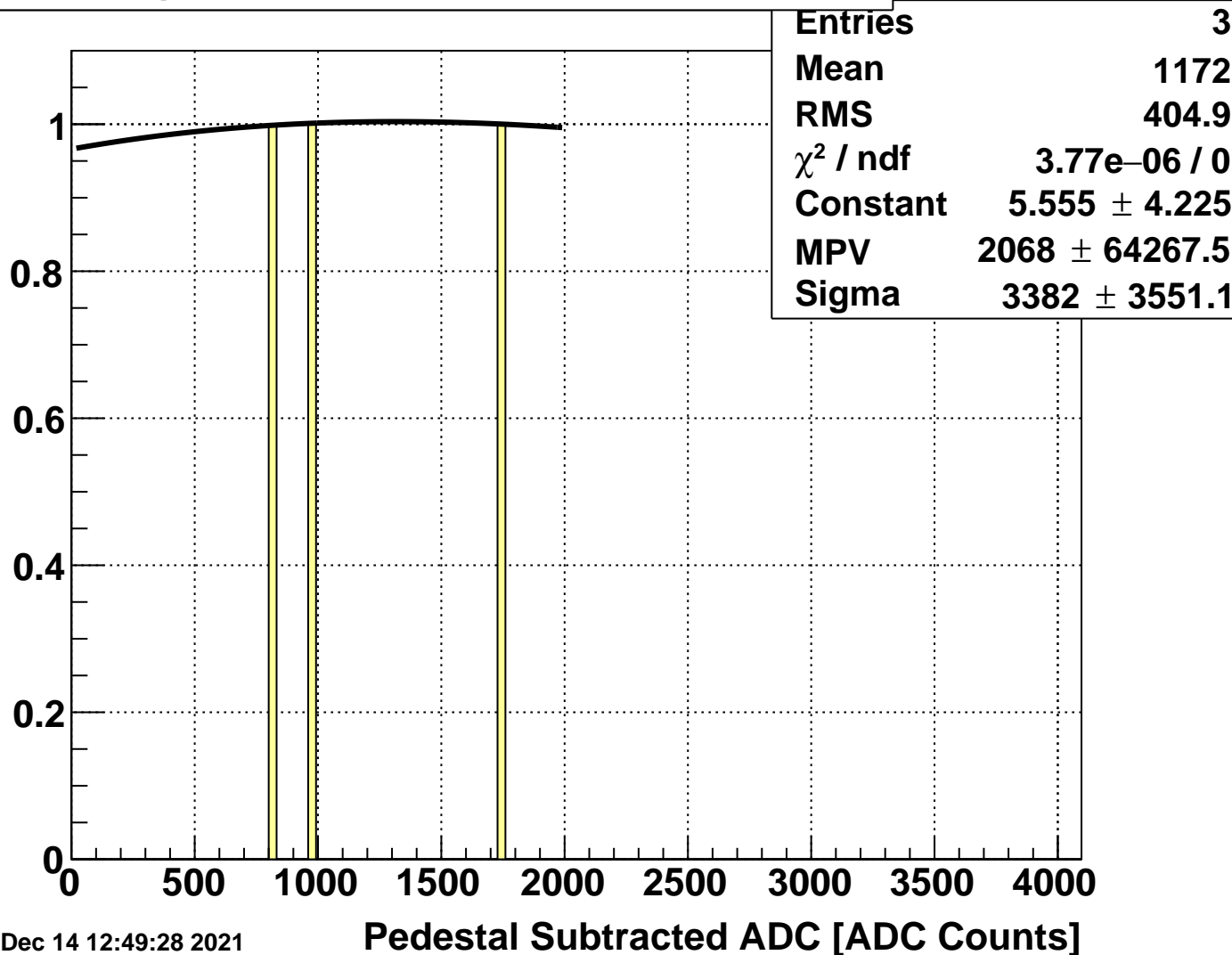
<b>Entries</b>	<b>0</b>
<b>Mean</b>	<b>0</b>
<b>RMS</b>	<b>0</b>



**Pedestal Subtracted ADC [ADC Counts]**



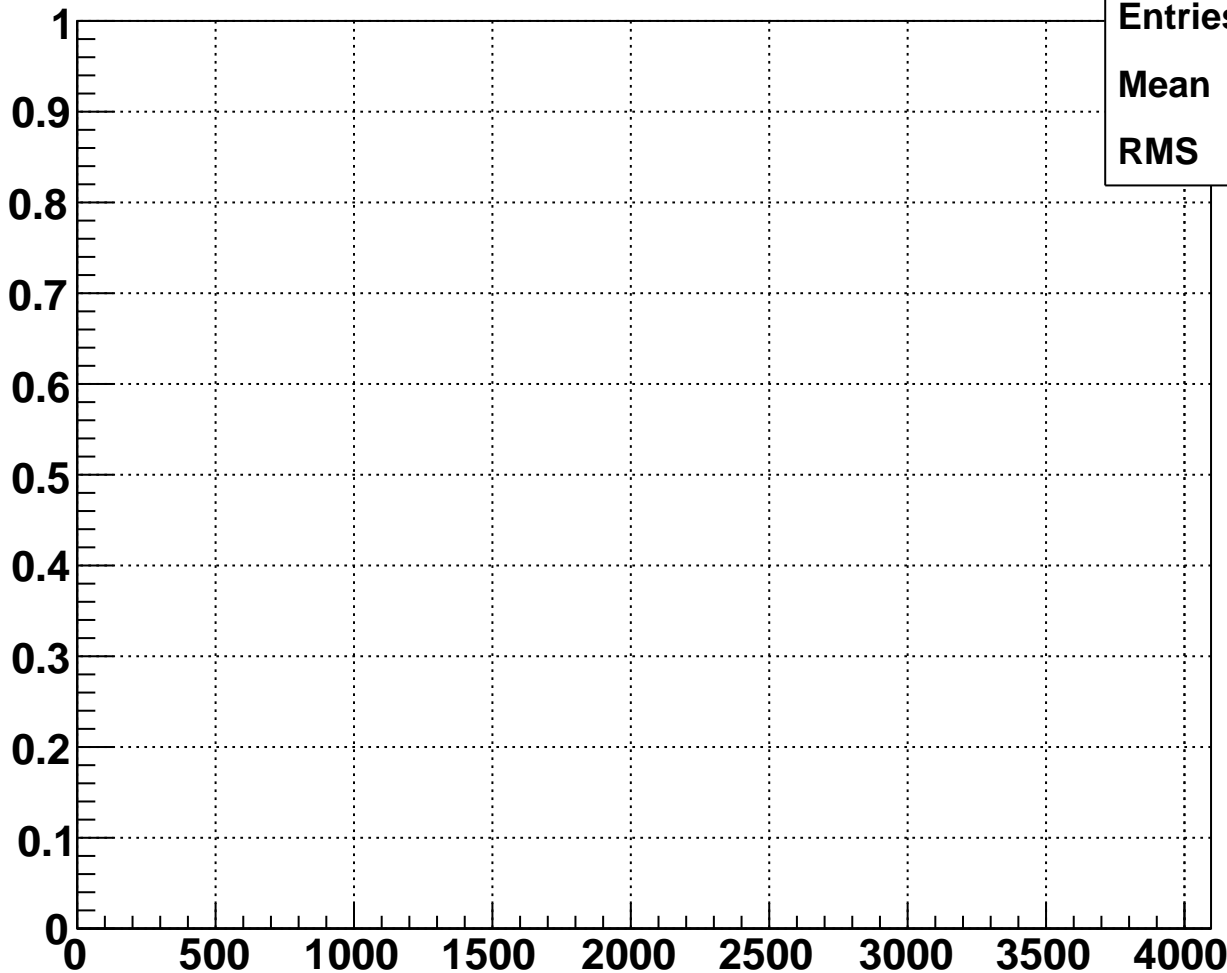
**FST - MIP peak non-ZS, RDO5\_ARM2\_PORT0\_SEC1** **nonZS\_Section\_57**



# FST - MIP peak non-ZS, RDO5\_ARM2\_PORT1\_SEC0

MIP\_nonZS\_Section\_58

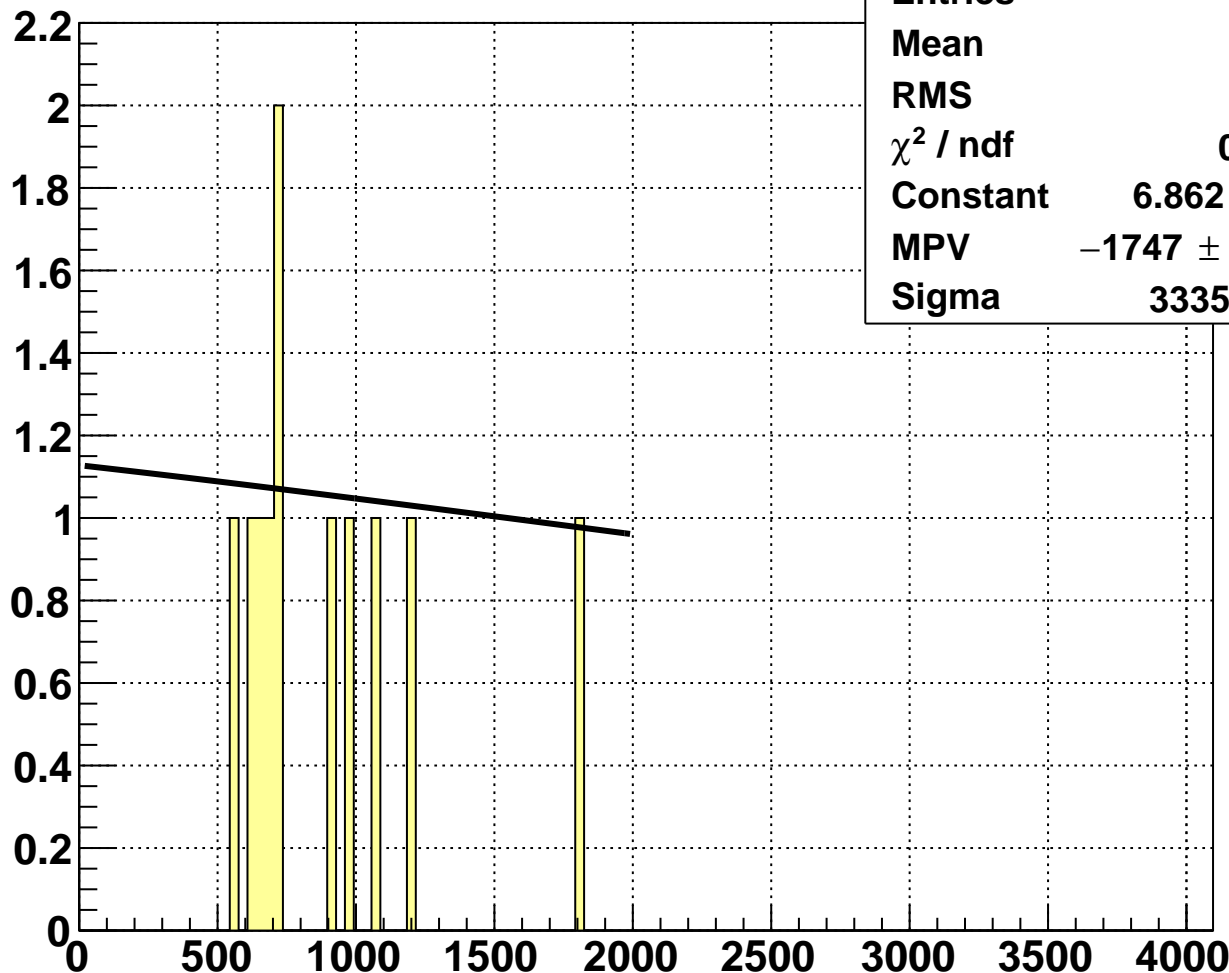
<b>Entries</b>	<b>0</b>
<b>Mean</b>	<b>0</b>
<b>RMS</b>	<b>0</b>



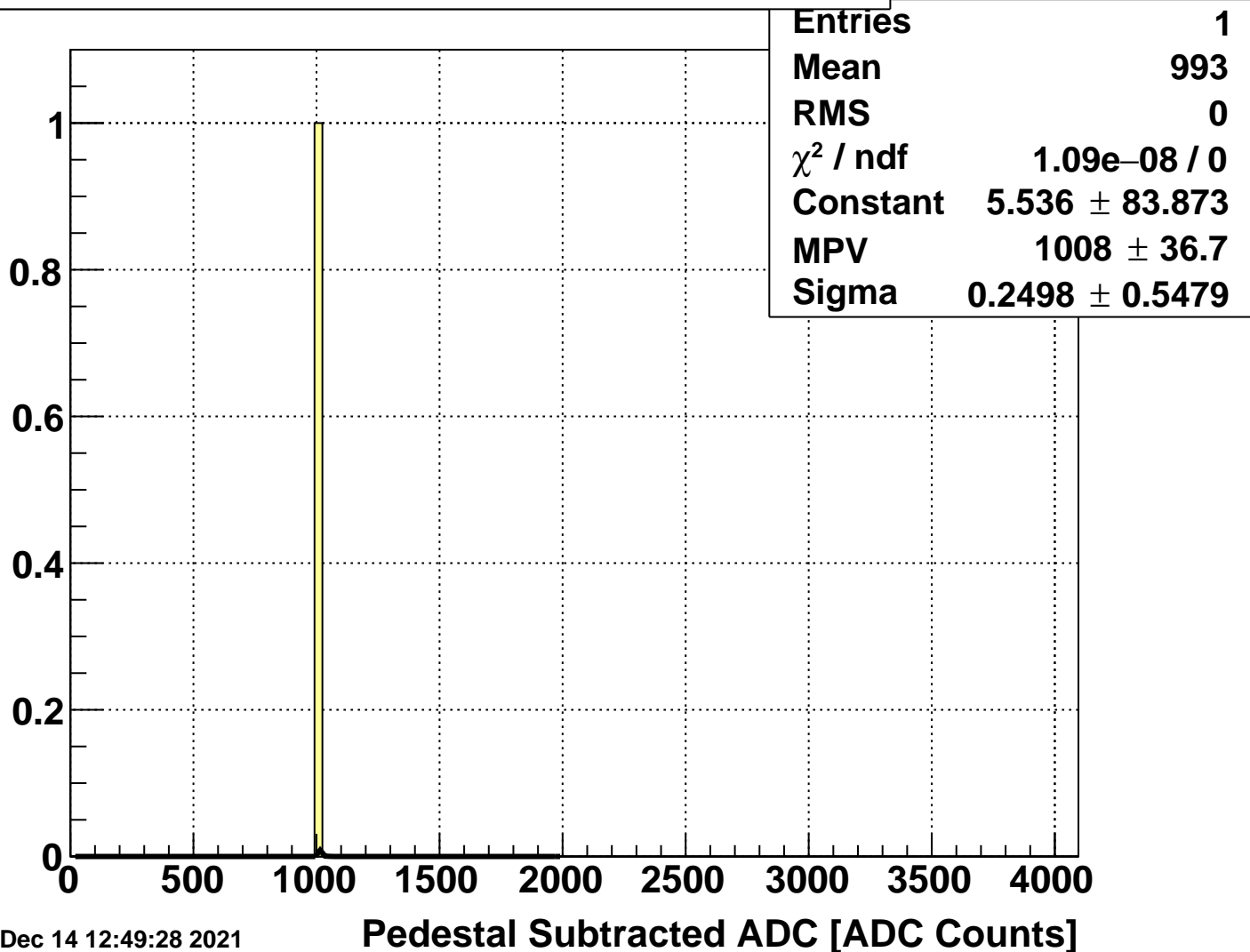
**Pedestal Subtracted ADC [ADC Counts]**

# FST - MIP peak non-ZS, RDO5\_ARM2\_PORT1\_SEC1 nonZS\_Section\_59

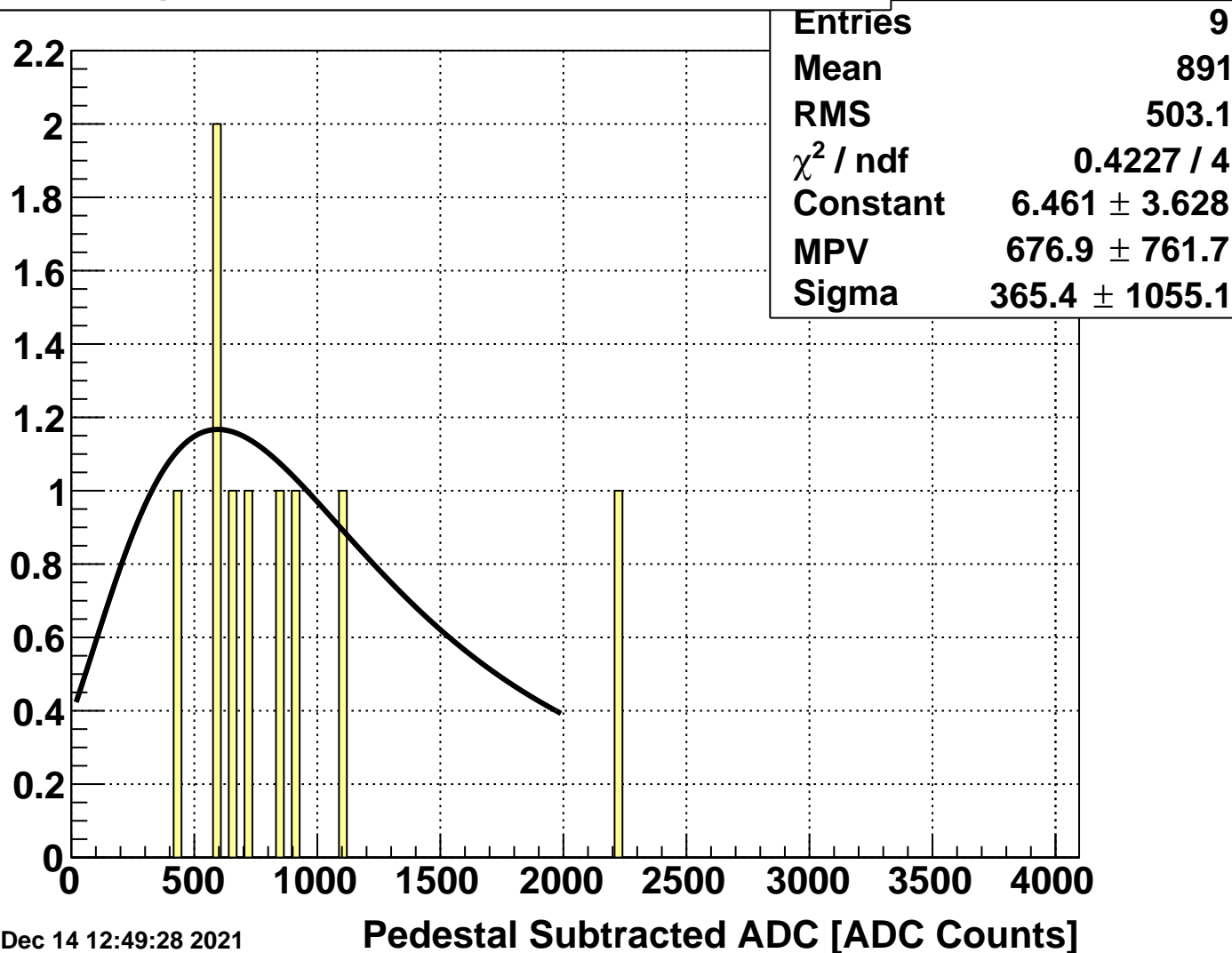
Entries	11
Mean	904.6
RMS	345.6
$\chi^2 / \text{ndf}$	0.4647 / 7
Constant	$6.862 \pm 52.072$
MPV	$-1747 \pm 108396.8$
Sigma	$3335 \pm 1781.1$



**FST - MIP peak non-ZS, RDO6\_ARM0\_PORT0\_SEC0** **nonZS\_Section\_60**



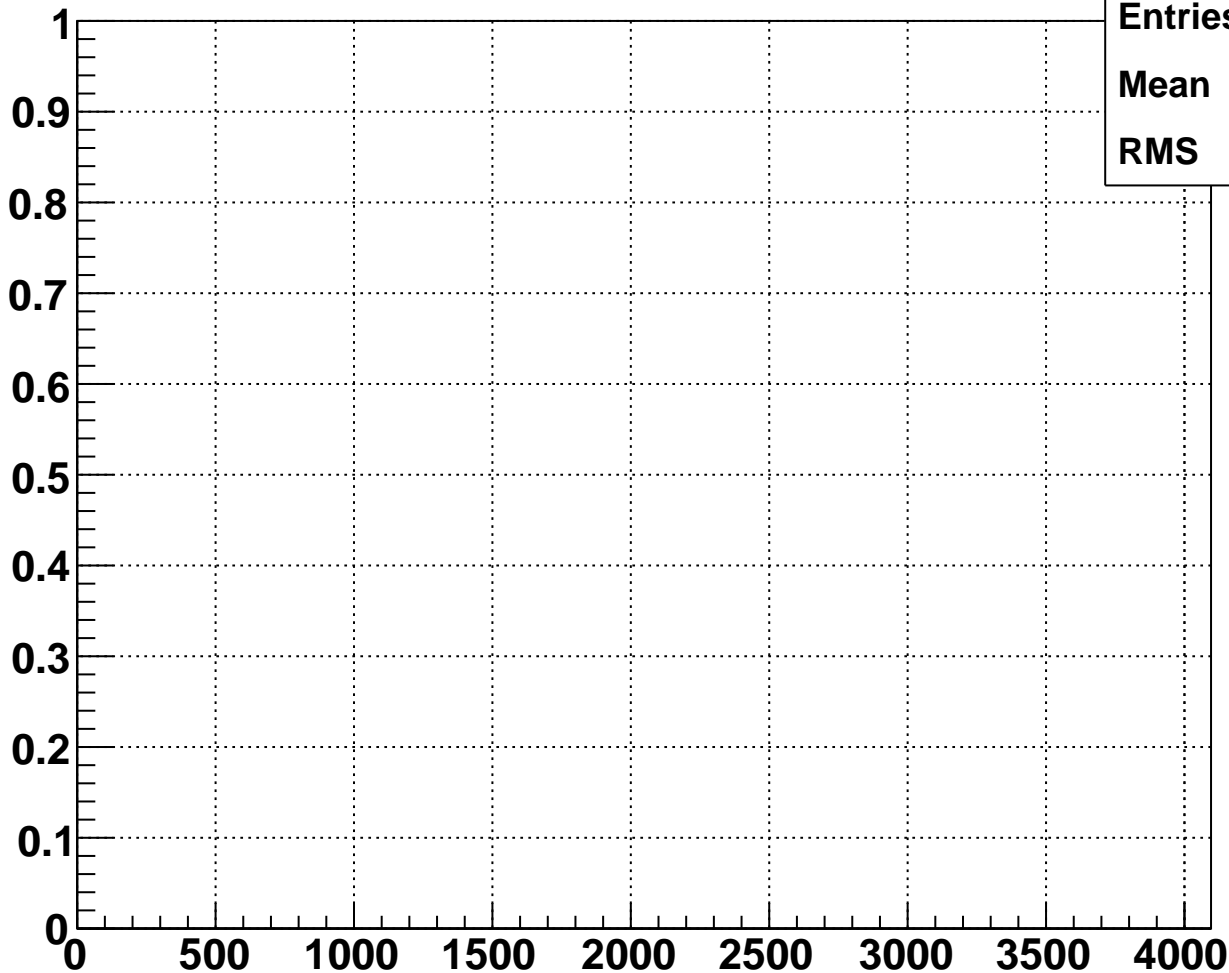
**FST - MIP peak non-ZS, RDO6\_ARM0\_PORT0\_SEC1** nonZS\_Section\_61



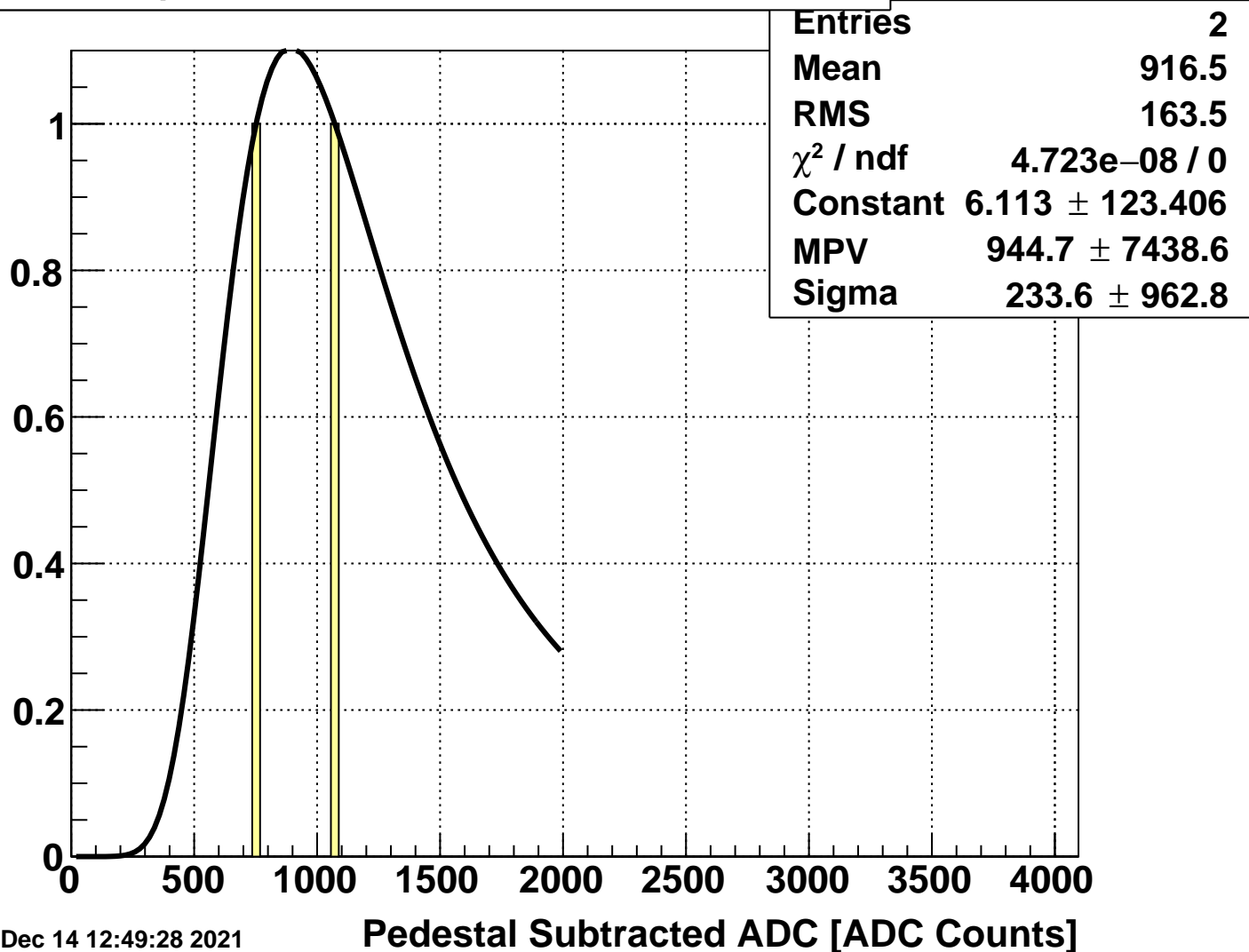
# FST - MIP peak non-ZS, RDO6\_ARM0\_PORT1\_SEC0

MIP\_nonZS\_Section\_62

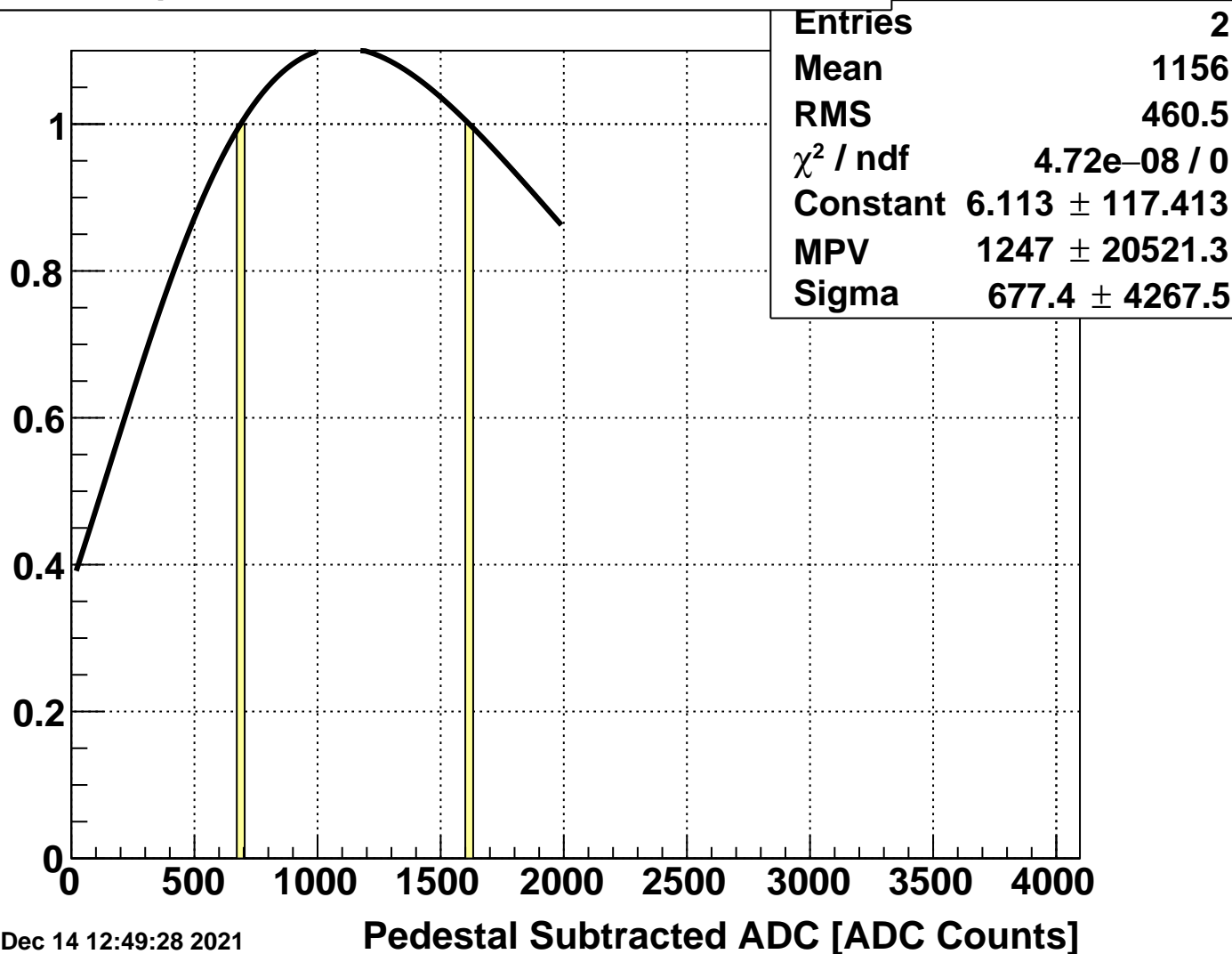
<b>Entries</b>	<b>0</b>
<b>Mean</b>	<b>0</b>
<b>RMS</b>	<b>0</b>



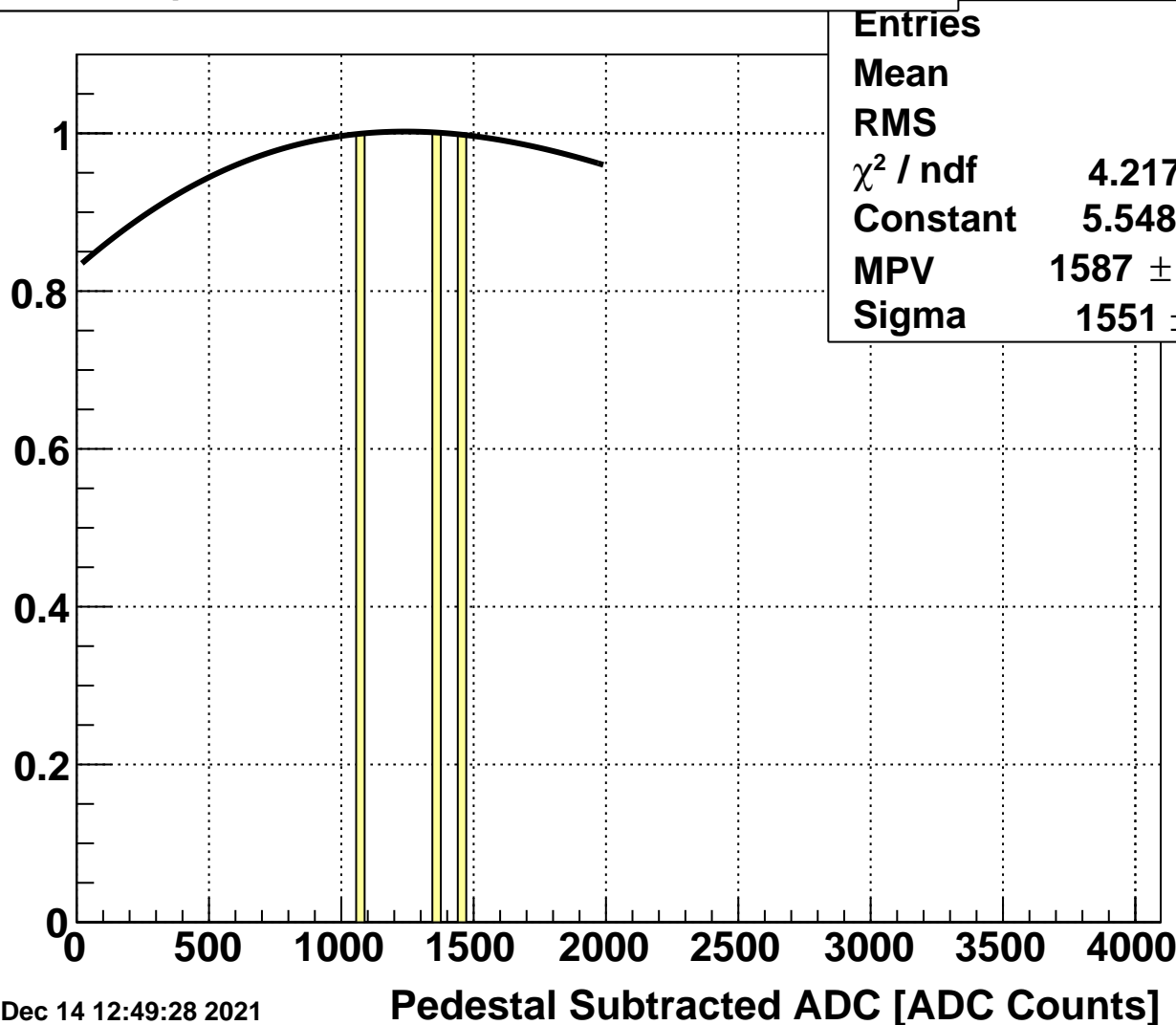
**FST - MIP peak non-ZS, RDO6\_ARM0\_PORT1\_SEC1** nonZS\_Section\_63



**FST - MIP peak non-ZS, RDO6\_ARM1\_PORT0\_SEC0** nonZS\_Section\_64

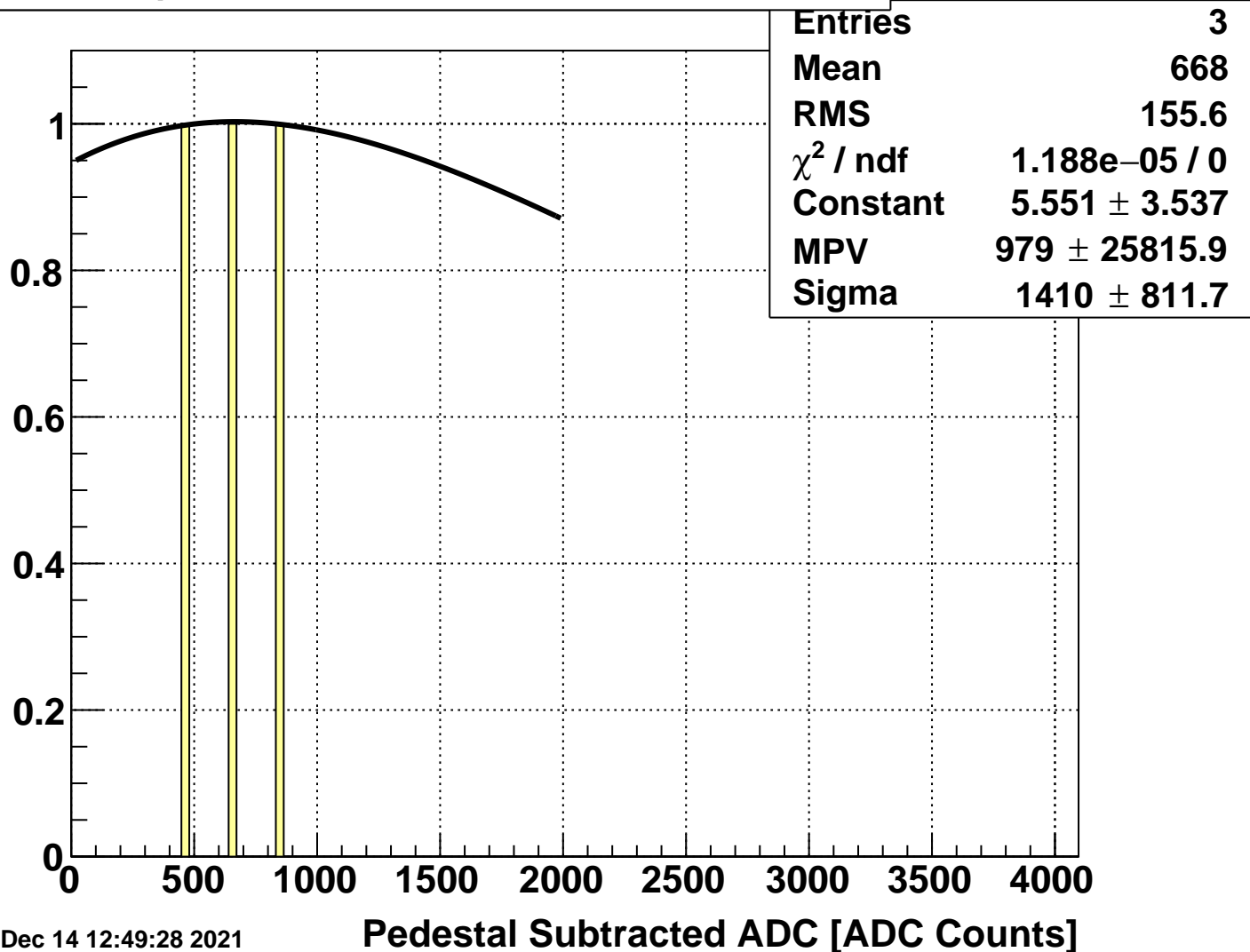




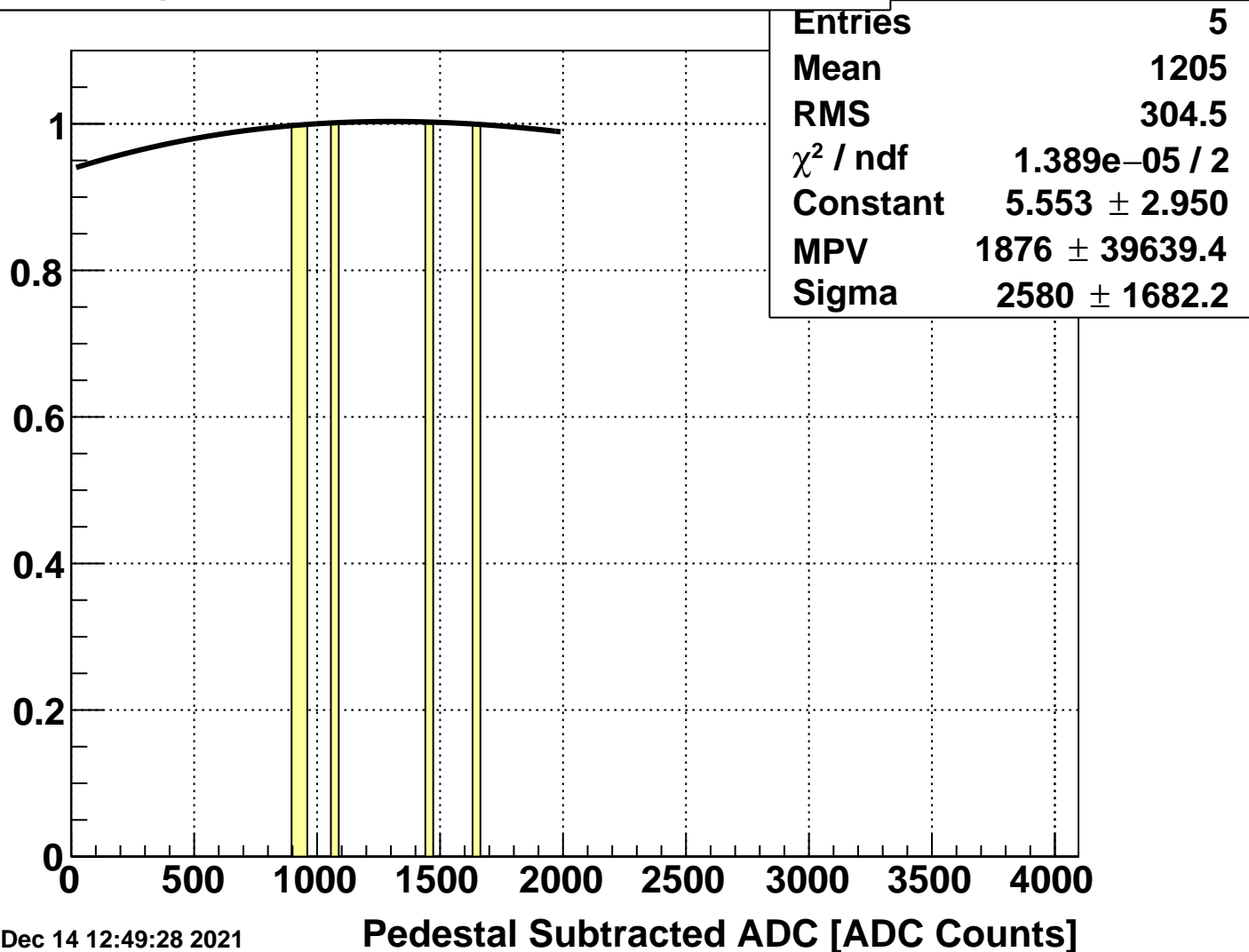
**FST - MIP peak non-ZS, RDO6\_ARM1\_PORT0\_SEC1****nonZS\_Section\_65**

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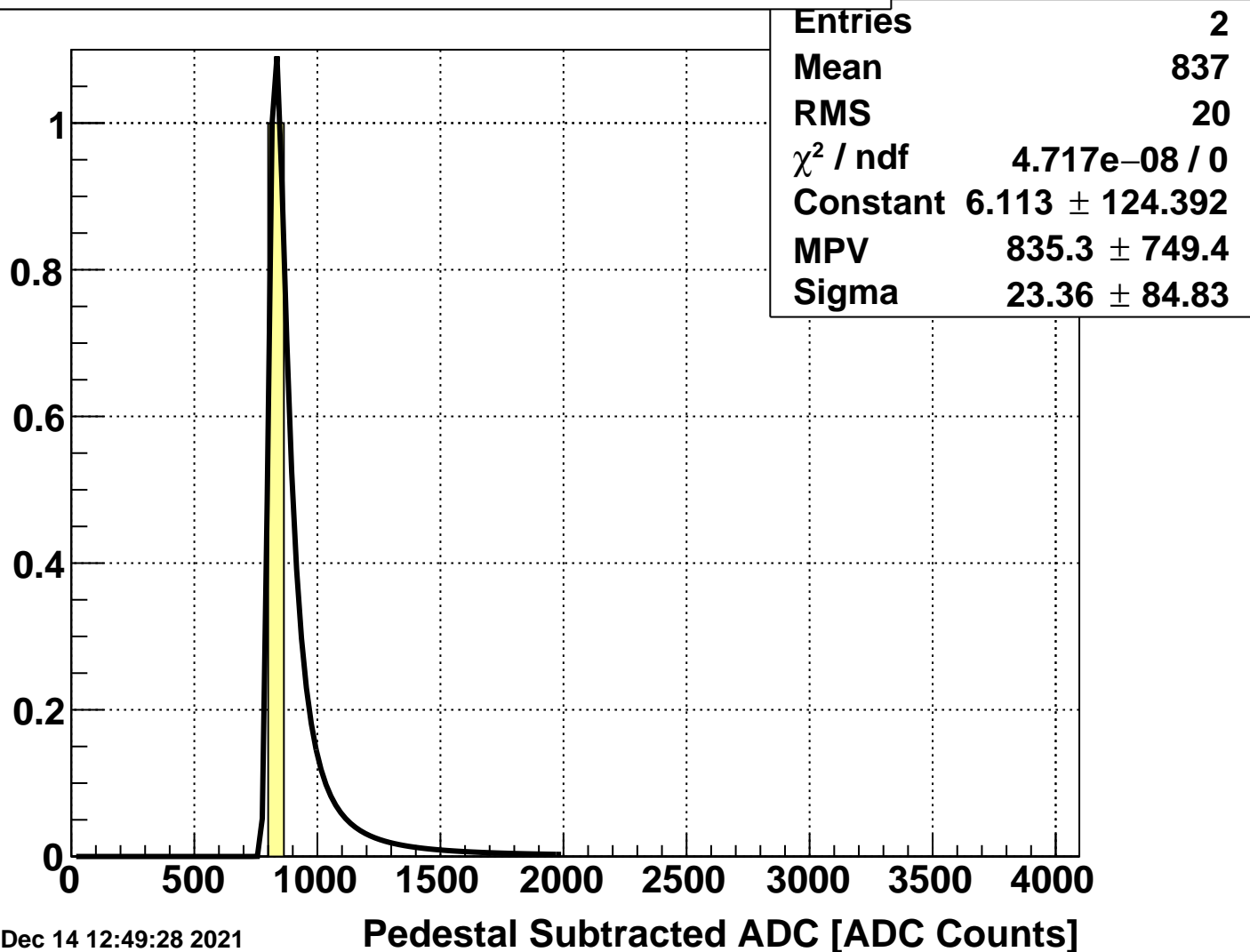
**FST - MIP peak non-ZS, RDO6\_ARM1\_PORT1\_SEC0** **nonZS\_Section\_66**



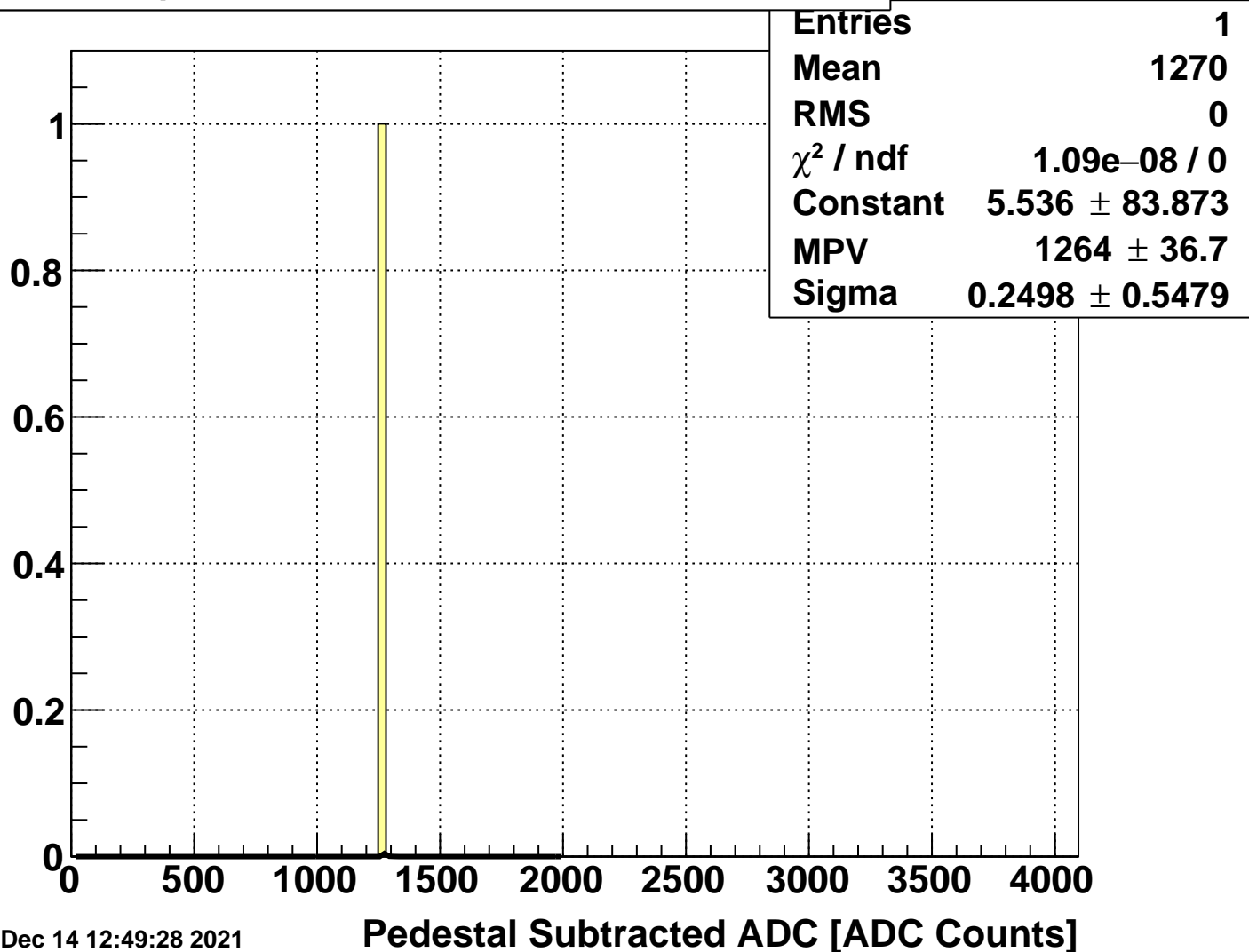
**FST - MIP peak non-ZS, RDO6\_ARM1\_PORT1\_SEC1** nonZS\_Section\_67



**FST - MIP peak non-ZS, RDO6\_ARM2\_PORT0\_SEC0** nonZS\_Section\_68

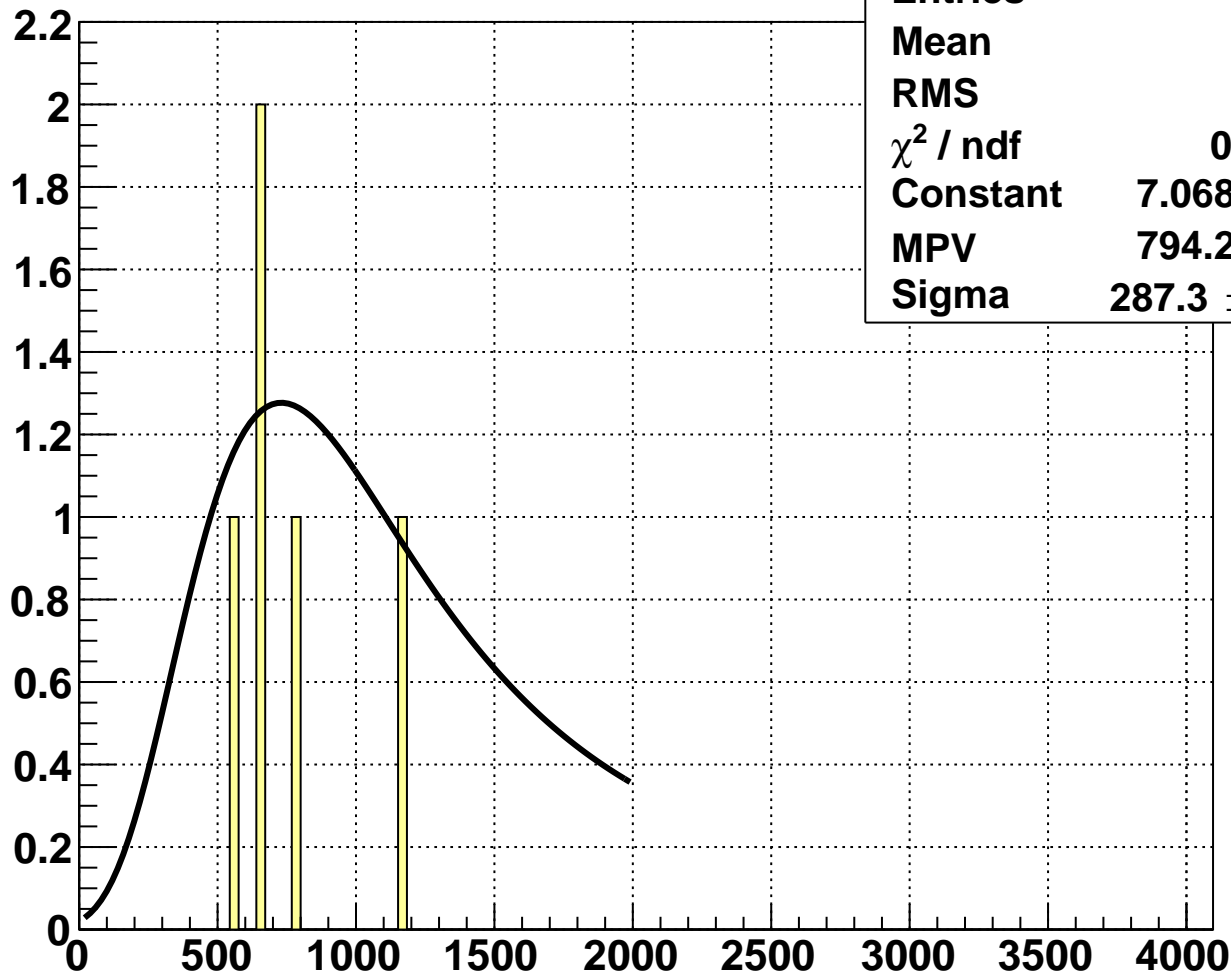


**FST - MIP peak non-ZS, RDO6\_ARM2\_PORT0\_SEC1** nonZS\_Section\_69

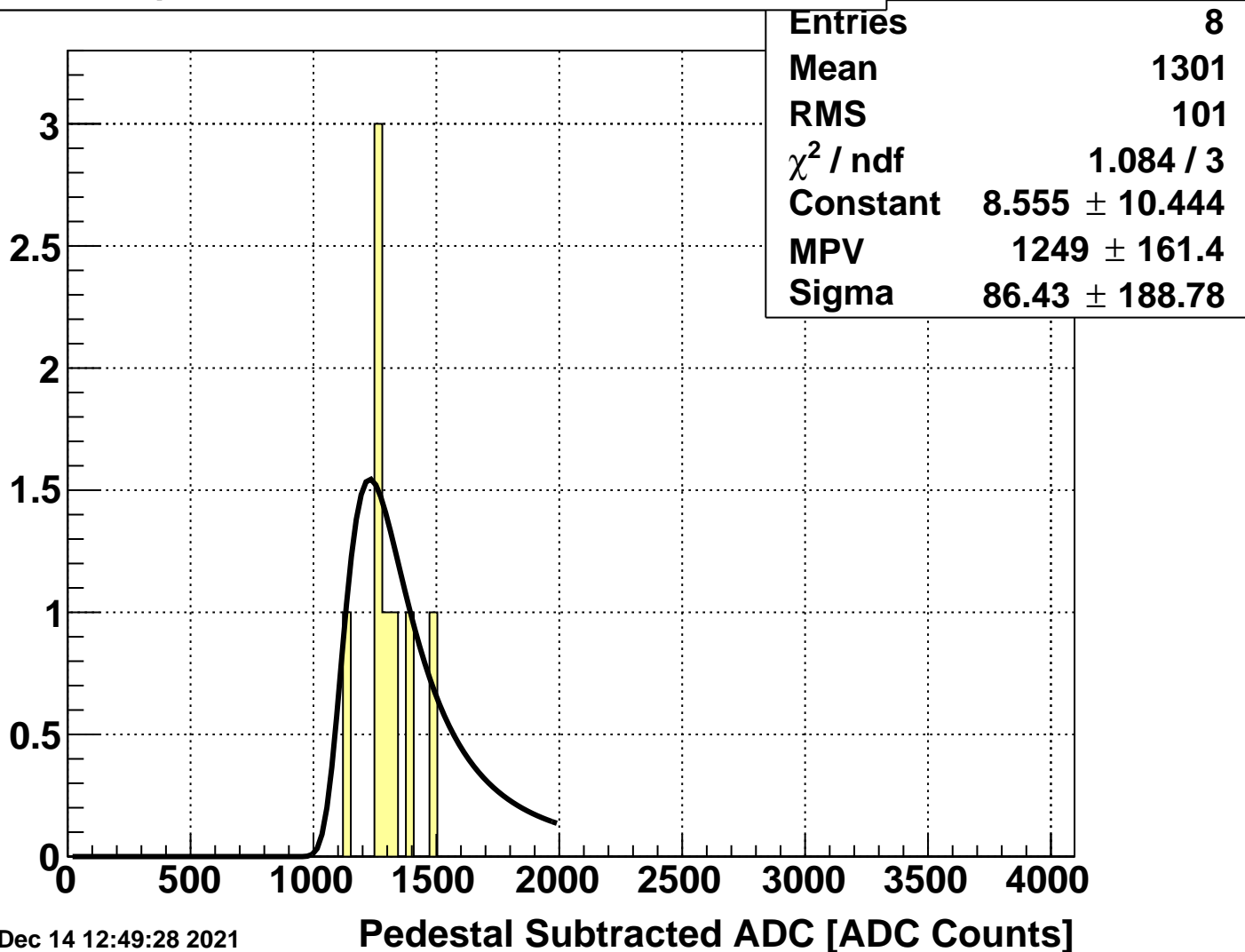


FST - MIP peak non-ZS, RDO6\_ARM2\_PORT1\_SEC0 nonZS\_Section\_70

Entries	5
Mean	766.4
RMS	220.1
$\chi^2 / \text{ndf}$	0.3778 / 1
Constant	$7.068 \pm 5.061$
MPV	$794.2 \pm 539.1$
Sigma	$287.3 \pm 1148.3$

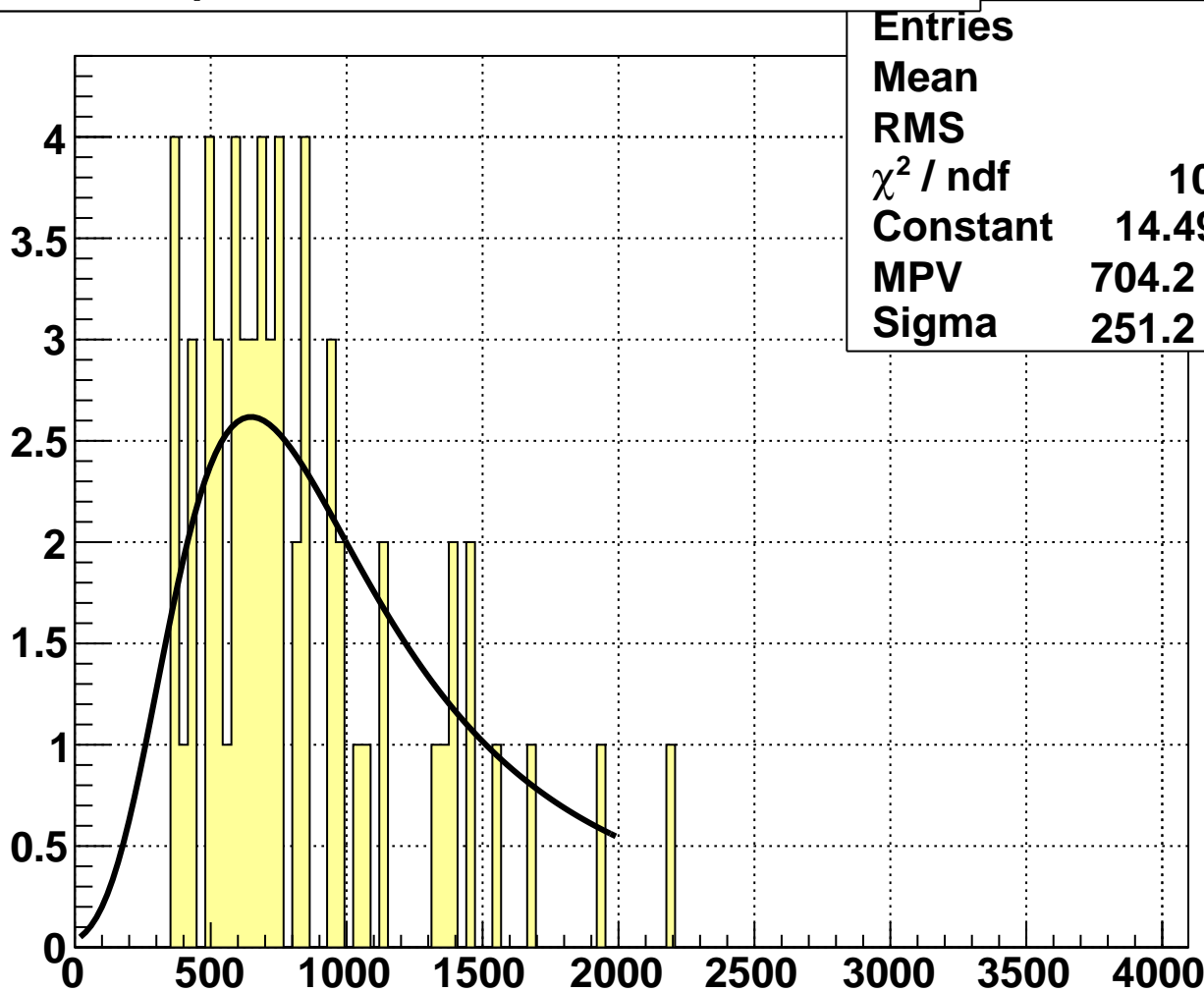


**FST - MIP peak non-ZS, RDO6\_ARM2\_PORT1\_SEC1** nonZS\_Section\_71



FST - MIP peak ZS, RDO1\_ARM0\_PORT0\_SEC0

P\_ZS\_Section\_0



Entries

62

Mean

827.4

RMS

390.9

$\chi^2 / \text{ndf}$

10.89 / 23

Constant

$14.49 \pm 3.12$

MPV

$704.2 \pm 102.4$

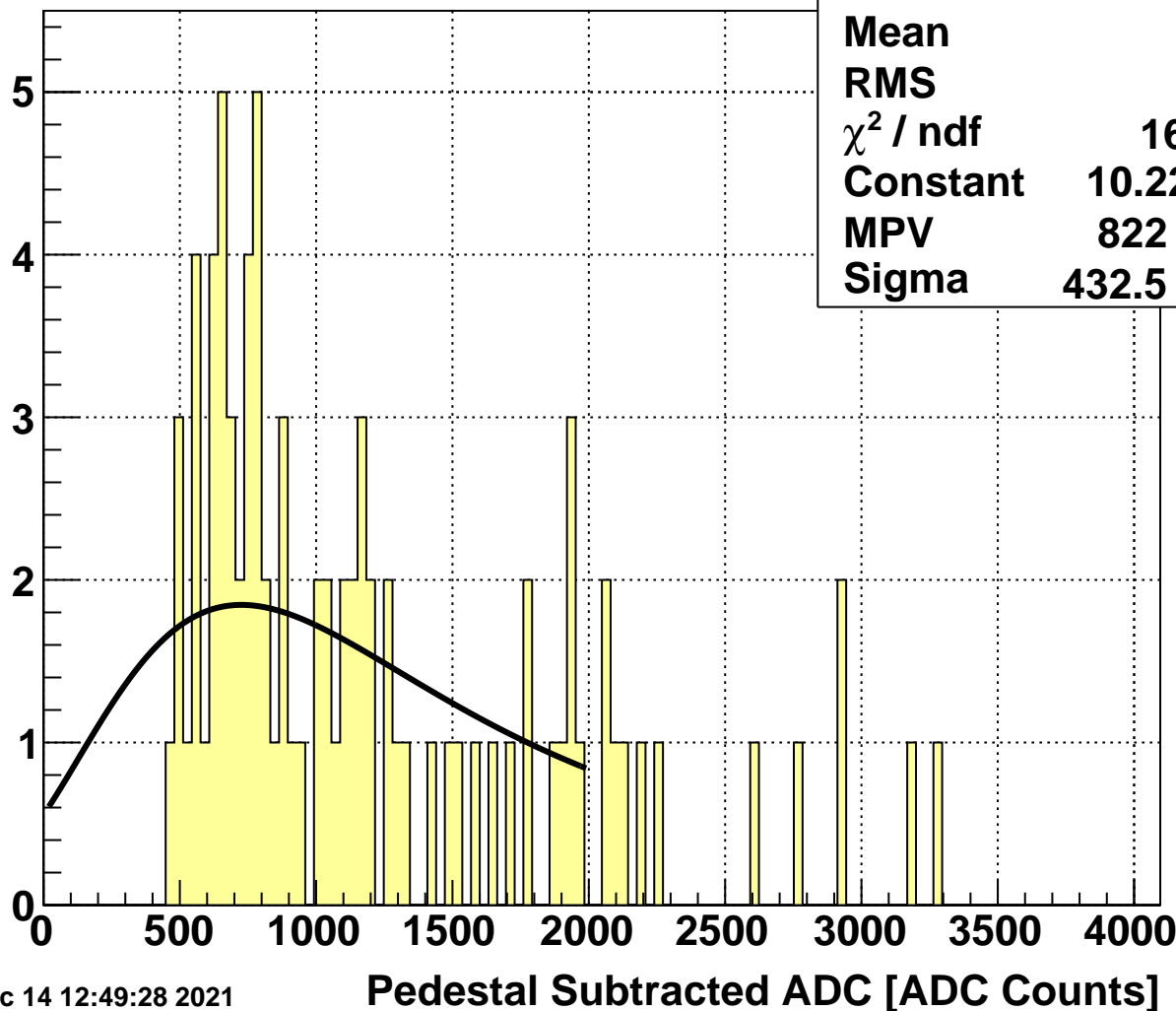
Sigma

$251.2 \pm 108.4$



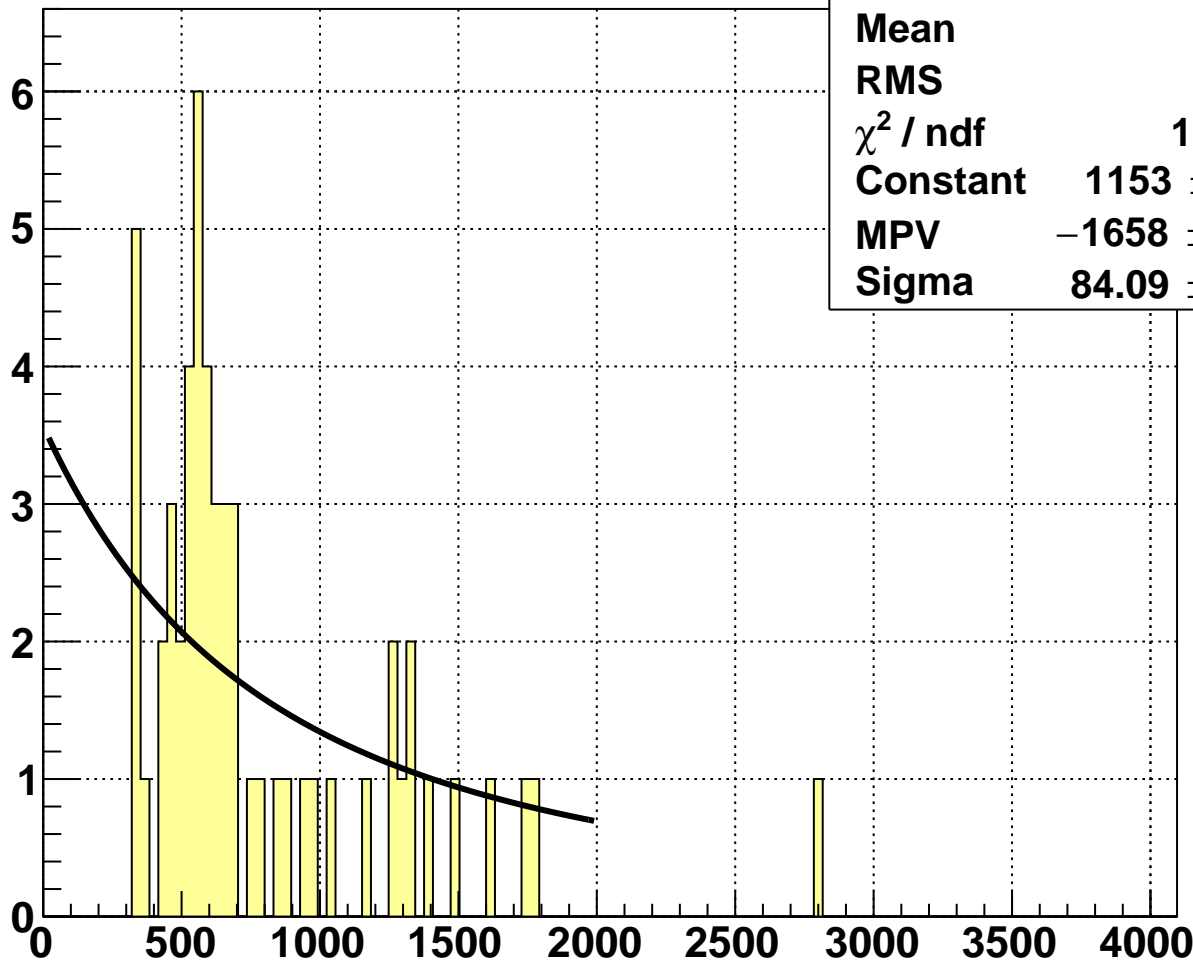
**FST - MIP peak ZS, RDO1\_ARM0\_PORT0\_SEC1****P\_ZS\_Section\_1**

<b>Entries</b>	<b>85</b>
<b>Mean</b>	<b>1225</b>
<b>RMS</b>	<b>686.7</b>
$\chi^2 / \text{ndf}$	<b>16.86 / 34</b>
<b>Constant</b>	<b><math>10.22 \pm 2.13</math></b>
<b>MPV</b>	<b><math>822 \pm 294.9</math></b>
<b>Sigma</b>	<b><math>432.5 \pm 333.2</math></b>



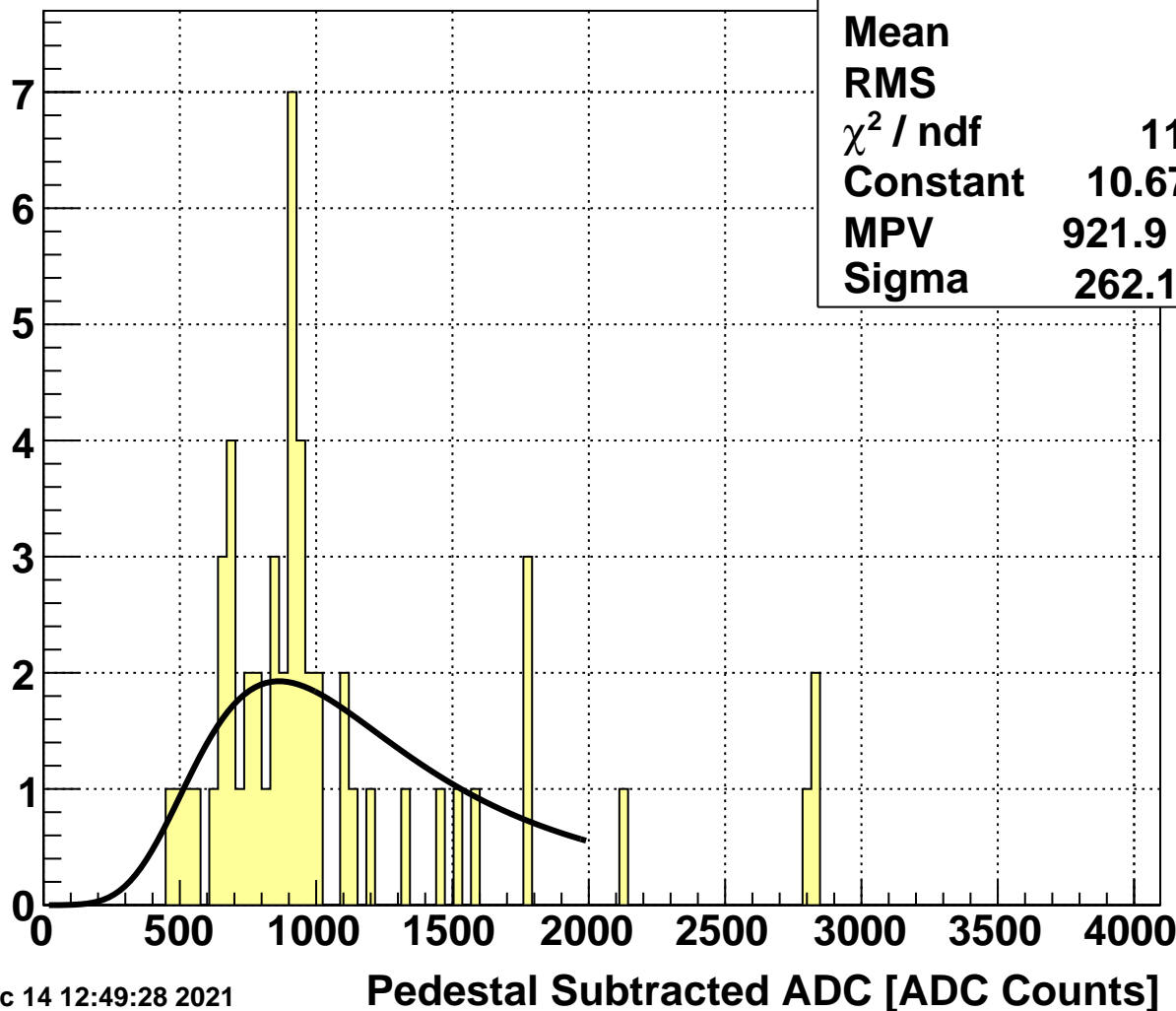
**FST - MIP peak ZS, RDO1\_ARM0\_PORT1\_SEC0****P\_ZS\_Section\_2**

<b>Entries</b>	<b>55</b>
<b>Mean</b>	<b>793.7</b>
<b>RMS</b>	<b>462.8</b>
$\chi^2$ / ndf	<b>12.36 / 24</b>
<b>Constant</b>	<b>1153 <math>\pm</math> 4734.4</b>
<b>MPV</b>	<b>-1658 <math>\pm</math> 1276.7</b>
<b>Sigma</b>	<b>84.09 <math>\pm</math> 158.37</b>

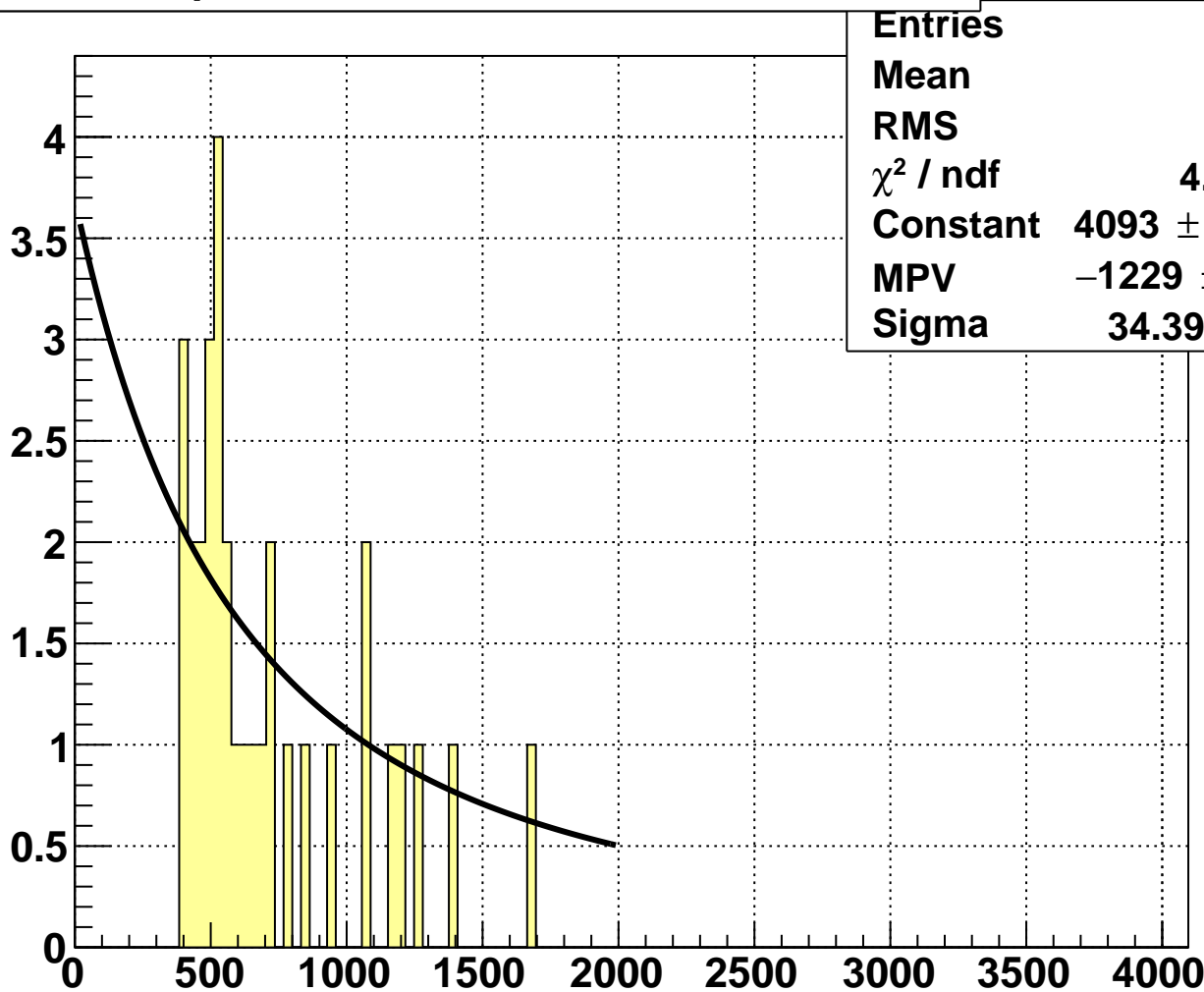


**FST - MIP peak ZS, RDO1\_ARM0\_PORT1\_SEC1****P\_ZS\_Section\_3**

<b>Entries</b>	<b>53</b>
<b>Mean</b>	<b>1070</b>
<b>RMS</b>	<b>551.3</b>
$\chi^2 / \text{ndf}$	<b>11.56 / 22</b>
<b>Constant</b>	<b><math>10.67 \pm 2.37</math></b>
<b>MPV</b>	<b><math>921.9 \pm 132.2</math></b>
<b>Sigma</b>	<b><math>262.1 \pm 114.1</math></b>



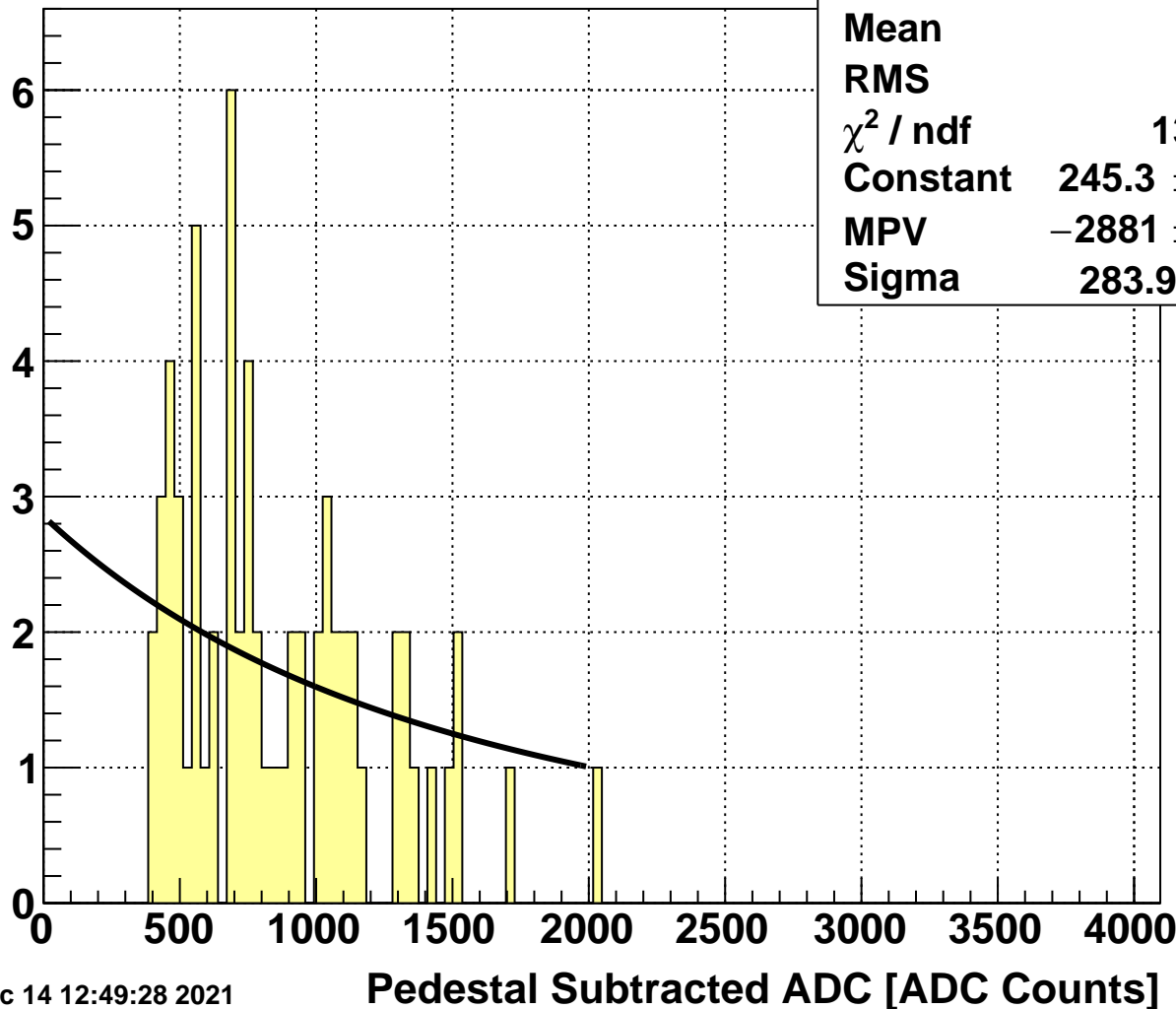
Tue Dec 14 12:49:28 2021

**FST - MIP peak ZS, RDO1\_ARM1\_PORT0\_SEC0****P\_ZS\_Section\_4**

Entries	32
Mean	721.3
RMS	326.3
$\chi^2 / \text{ndf}$	4.365 / 17
Constant	$4093 \pm 19030.8$
MPV	$-1229 \pm 1775.9$
Sigma	$34.39 \pm 81.18$

**FST - MIP peak ZS, RDO1\_ARM1\_PORT0\_SEC1****P\_ZS\_Section\_5**

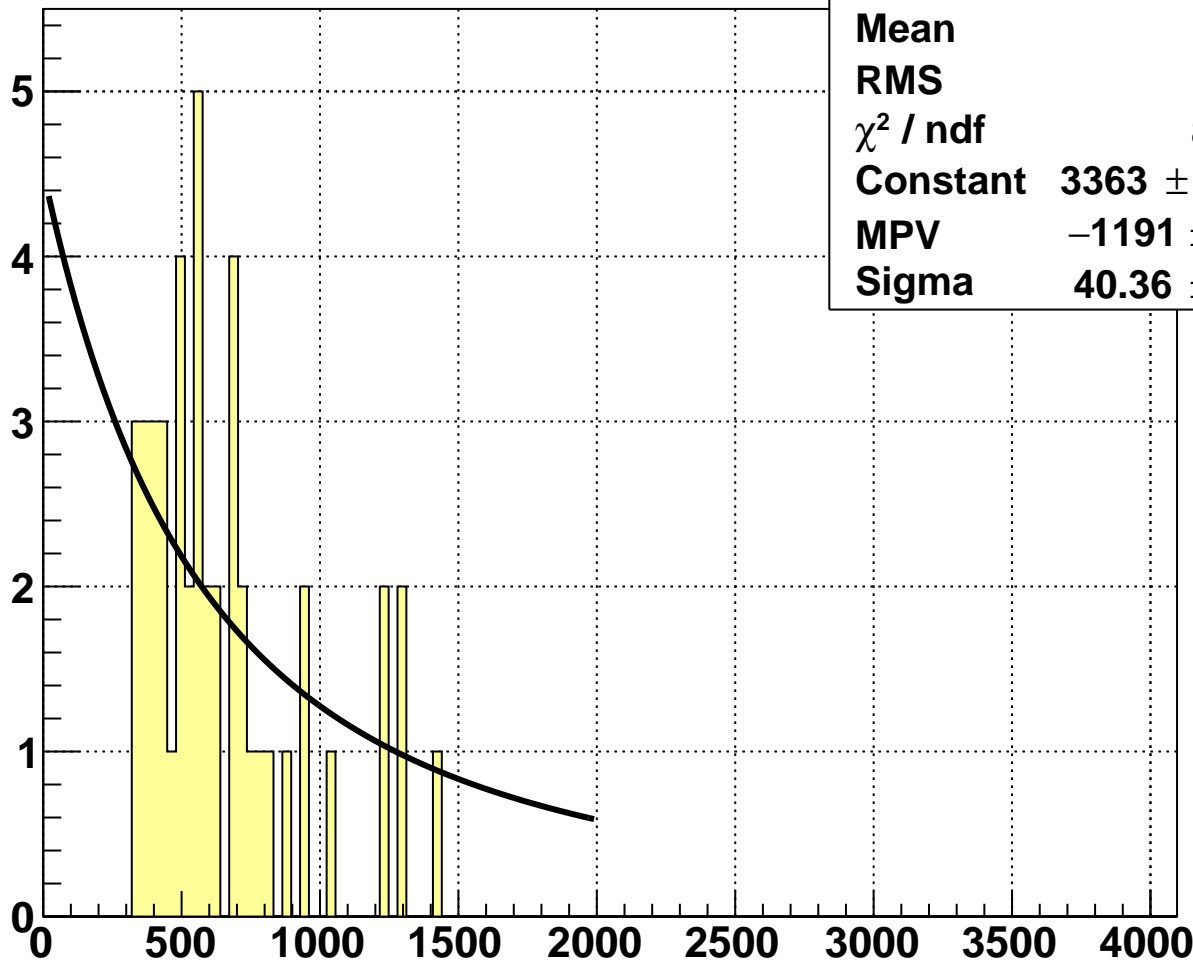
<b>Entries</b>	<b>65</b>
<b>Mean</b>	<b>862.6</b>
<b>RMS</b>	<b>360.1</b>
<b><math>\chi^2</math> / ndf</b>	<b>13.34 / 27</b>
<b>Constant</b>	<b><math>245.3 \pm 1185.3</math></b>
<b>MPV</b>	<b><math>-2881 \pm 2726.0</math></b>
<b>Sigma</b>	<b><math>283.9 \pm 664.7</math></b>



FST - MIP peak ZS, RDO1\_ARM1\_PORT1\_SEC0

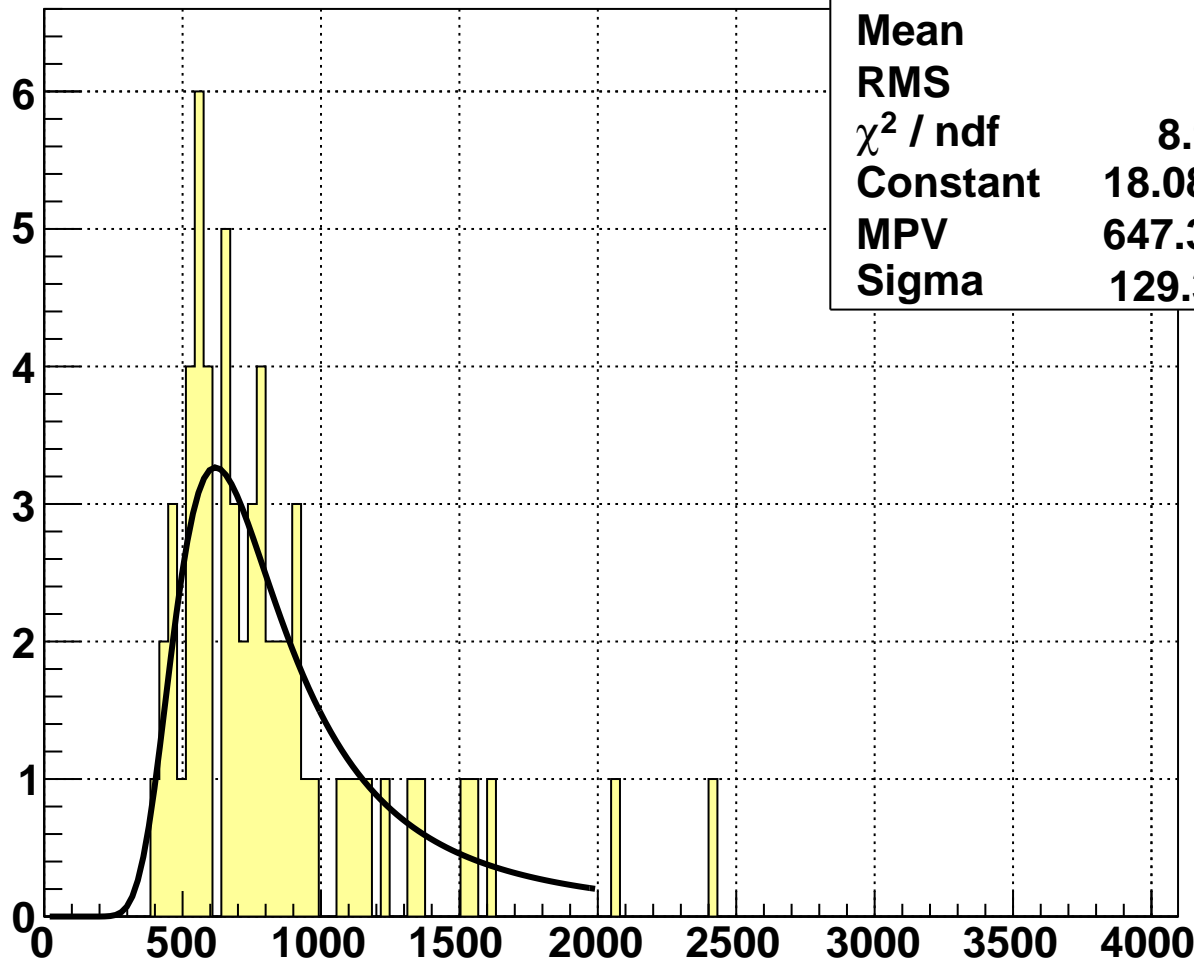
P\_ZS\_Section\_6

Entries	46
Mean	659
RMS	281
$\chi^2 / \text{ndf}$	8.33 / 18
Constant	$3363 \pm 31165.8$
MPV	$-1191 \pm 1187.5$
Sigma	$40.36 \pm 211.16$



# FST - MIP peak ZS, RDO1\_ARM1\_PORT1\_SEC1

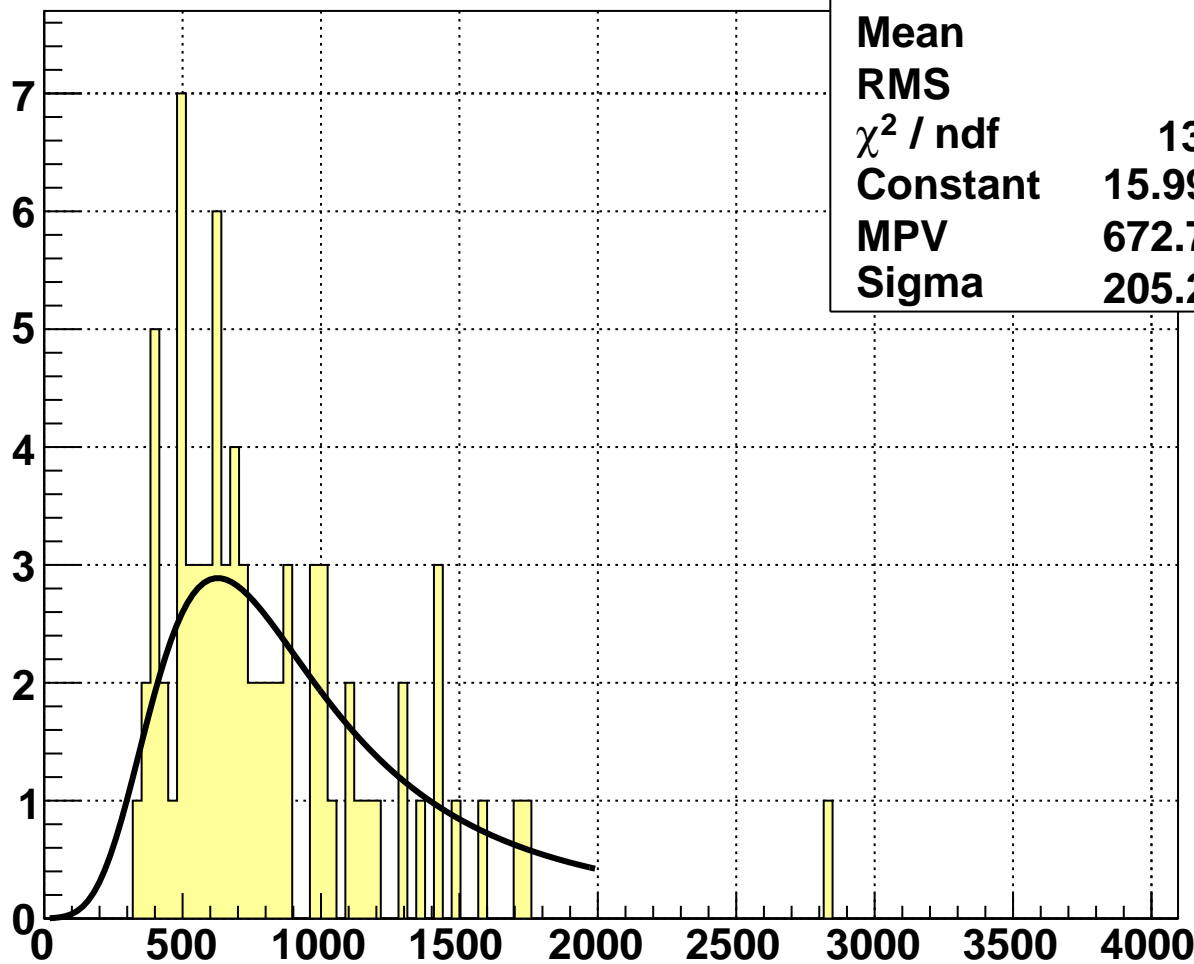
Entries	61
Mean	828.2
RMS	385
$\chi^2 / \text{ndf}$	8.918 / 25
Constant	$18.08 \pm 4.37$
MPV	$647.3 \pm 42.5$
Sigma	$129.3 \pm 38.1$



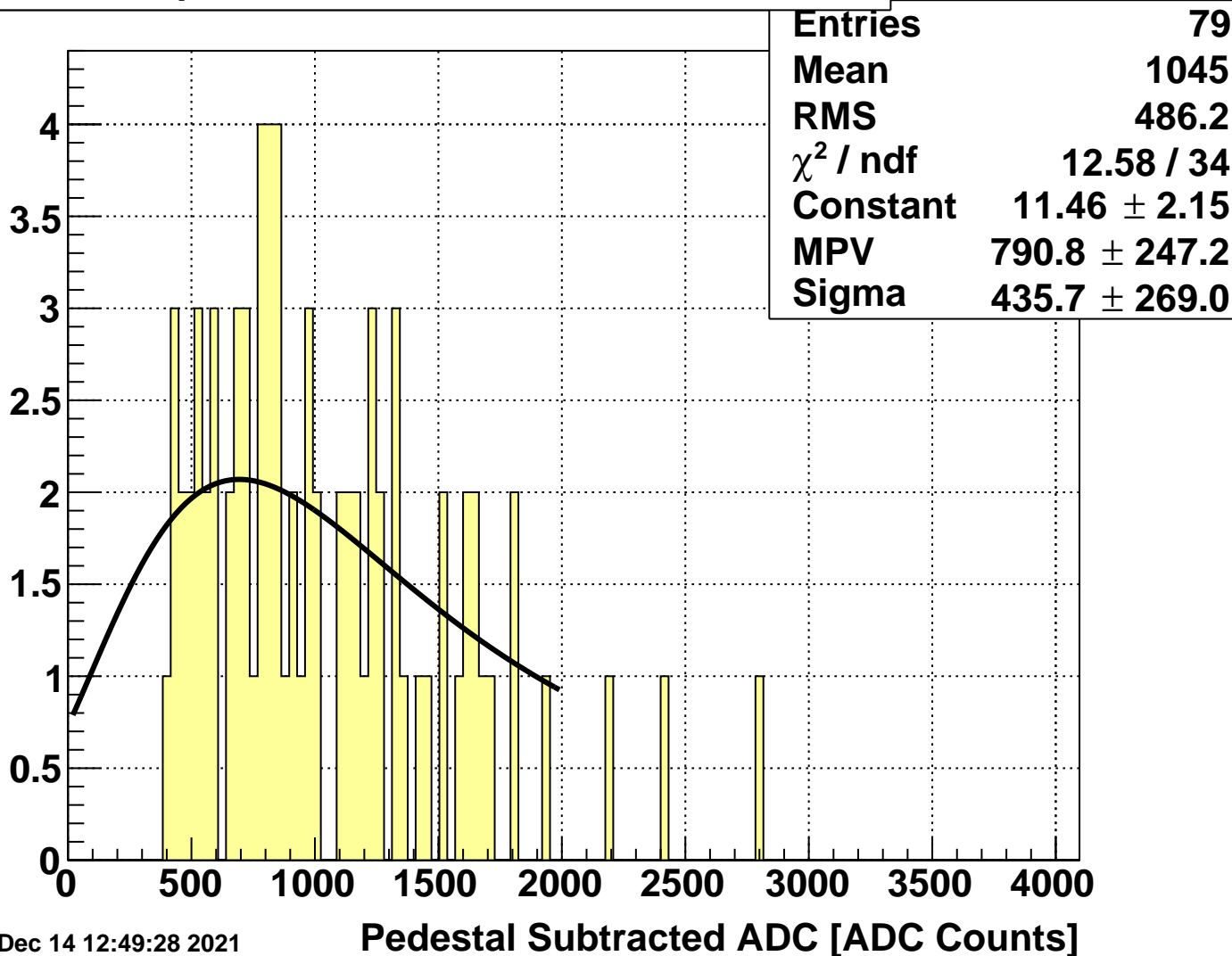
**FST - MIP peak ZS, RDO1\_ARM2\_PORT0\_SEC0**

**P\_ZS\_Section\_8**

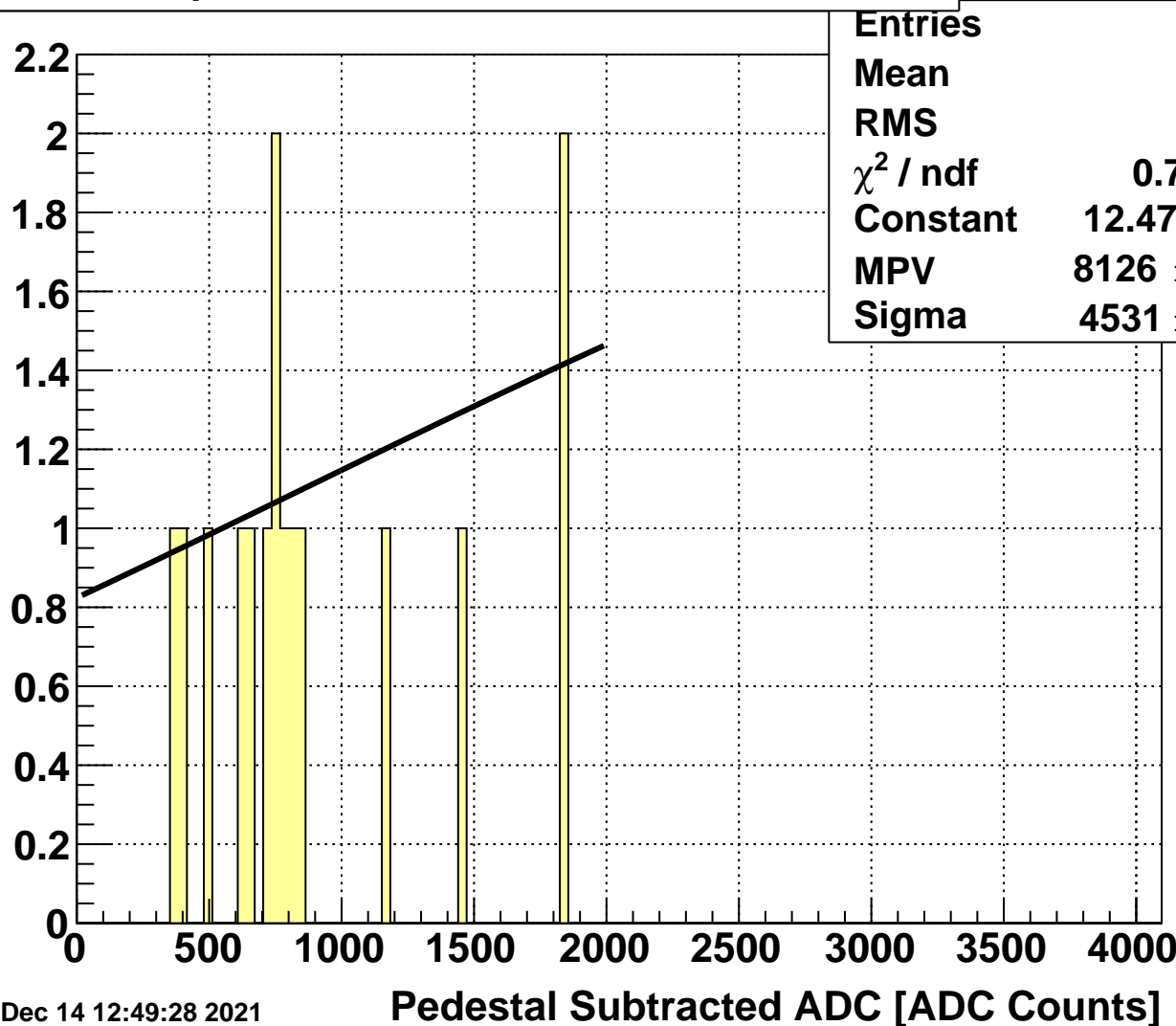
<b>Entries</b>	<b>77</b>
<b>Mean</b>	<b>815.2</b>
<b>RMS</b>	<b>411.3</b>
$\chi^2$ / ndf	<b>13.92 / 29</b>
<b>Constant</b>	<b>15.99 <math>\pm</math> 3.16</b>
<b>MPV</b>	<b>672.7 <math>\pm</math> 67.7</b>
<b>Sigma</b>	<b>205.2 <math>\pm</math> 63.7</b>





**FST - MIP peak ZS, RDO1\_ARM2\_PORT0\_SEC1****P\_ZS\_Section\_9**

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**FST - MIP peak ZS, RDO1\_ARM2\_PORT1\_SEC0****\_ZS\_Section\_10**

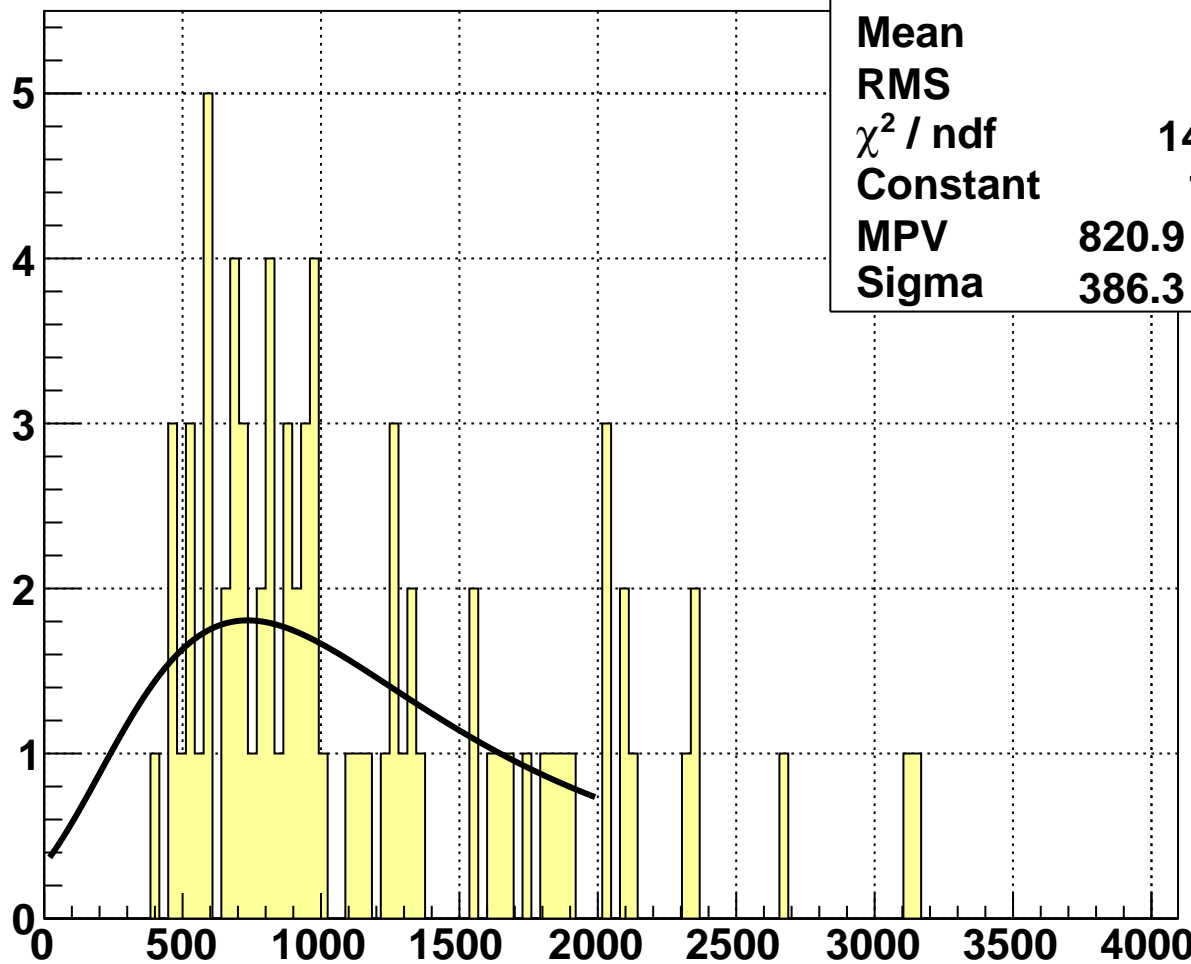
Tue Dec 14 12:49:28 2021

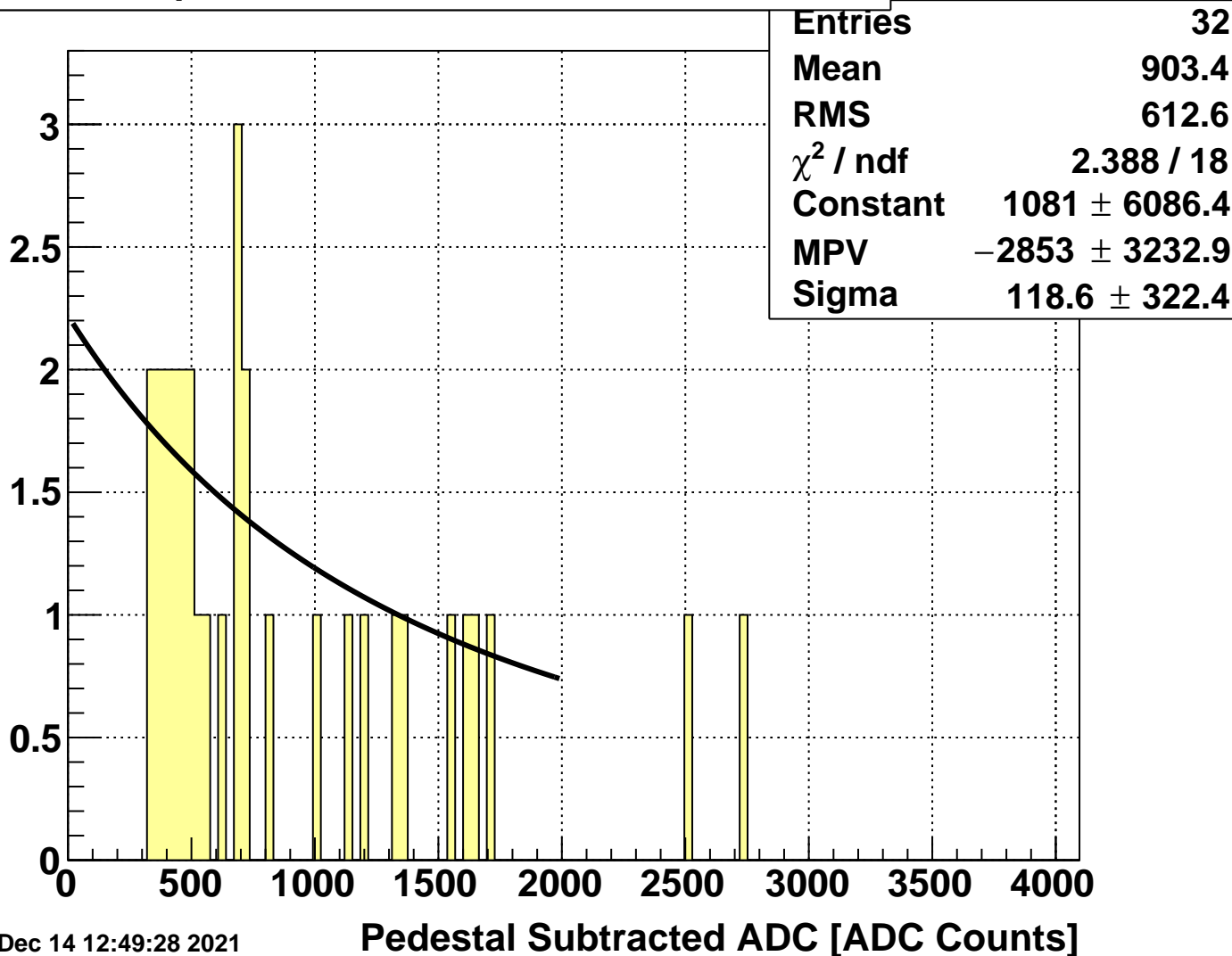
**Pedestal Subtracted ADC [ADC Counts]**

FST - MIP peak ZS, RDO1\_ARM2\_PORT1\_SEC1

\_ZS\_Section\_11

Entries	77
Mean	1190
RMS	645.4
$\chi^2 / \text{ndf}$	14.42 / 32
Constant	$10 \pm 2.2$
MPV	$820.9 \pm 198.3$
Sigma	$386.3 \pm 234.0$

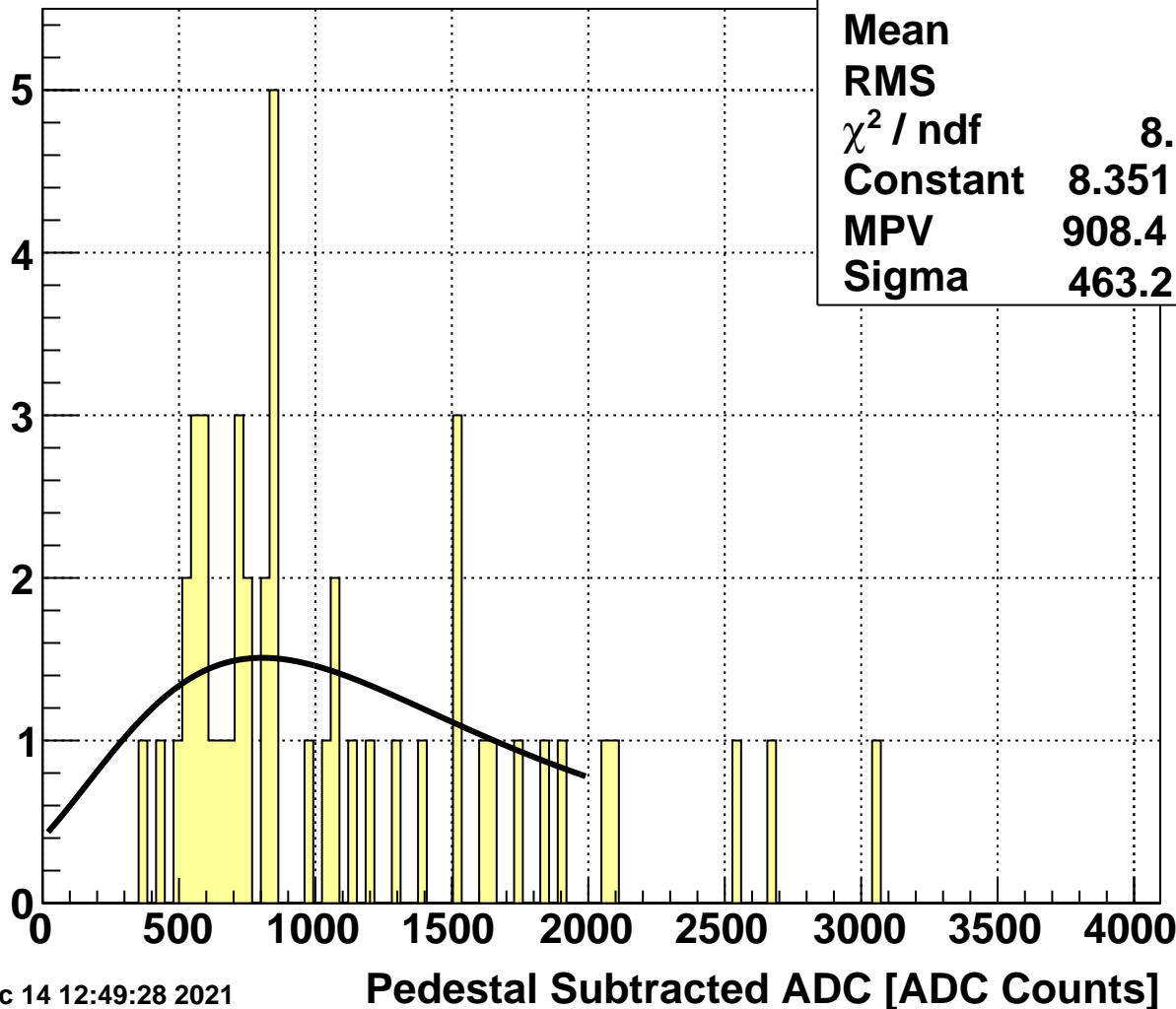


**FST - MIP peak ZS, RDO2\_ARM0\_PORT0\_SEC0****\_ZS\_Section\_12**

Tue Dec 14 12:49:28 2021

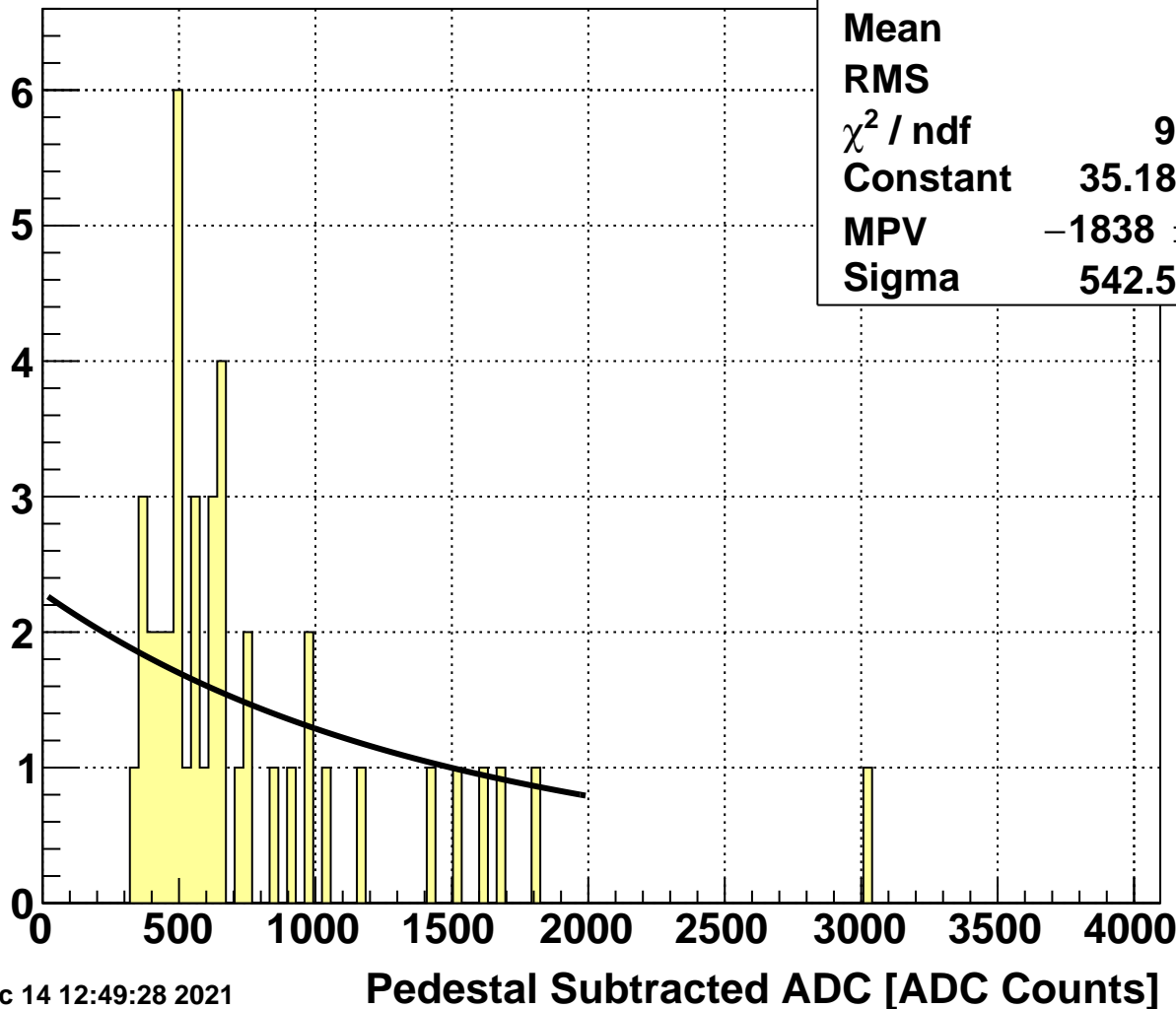
**FST - MIP peak ZS, RDO2\_ARM0\_PORT0\_SEC1****\_ZS\_Section\_13**

<b>Entries</b>	<b>47</b>
<b>Mean</b>	<b>1110</b>
<b>RMS</b>	<b>629.8</b>
$\chi^2 / \text{ndf}$	<b>8.373 / 23</b>
<b>Constant</b>	<b><math>8.351 \pm 2.257</math></b>
<b>MPV</b>	<b><math>908.4 \pm 274.4</math></b>
<b>Sigma</b>	<b><math>463.2 \pm 395.1</math></b>



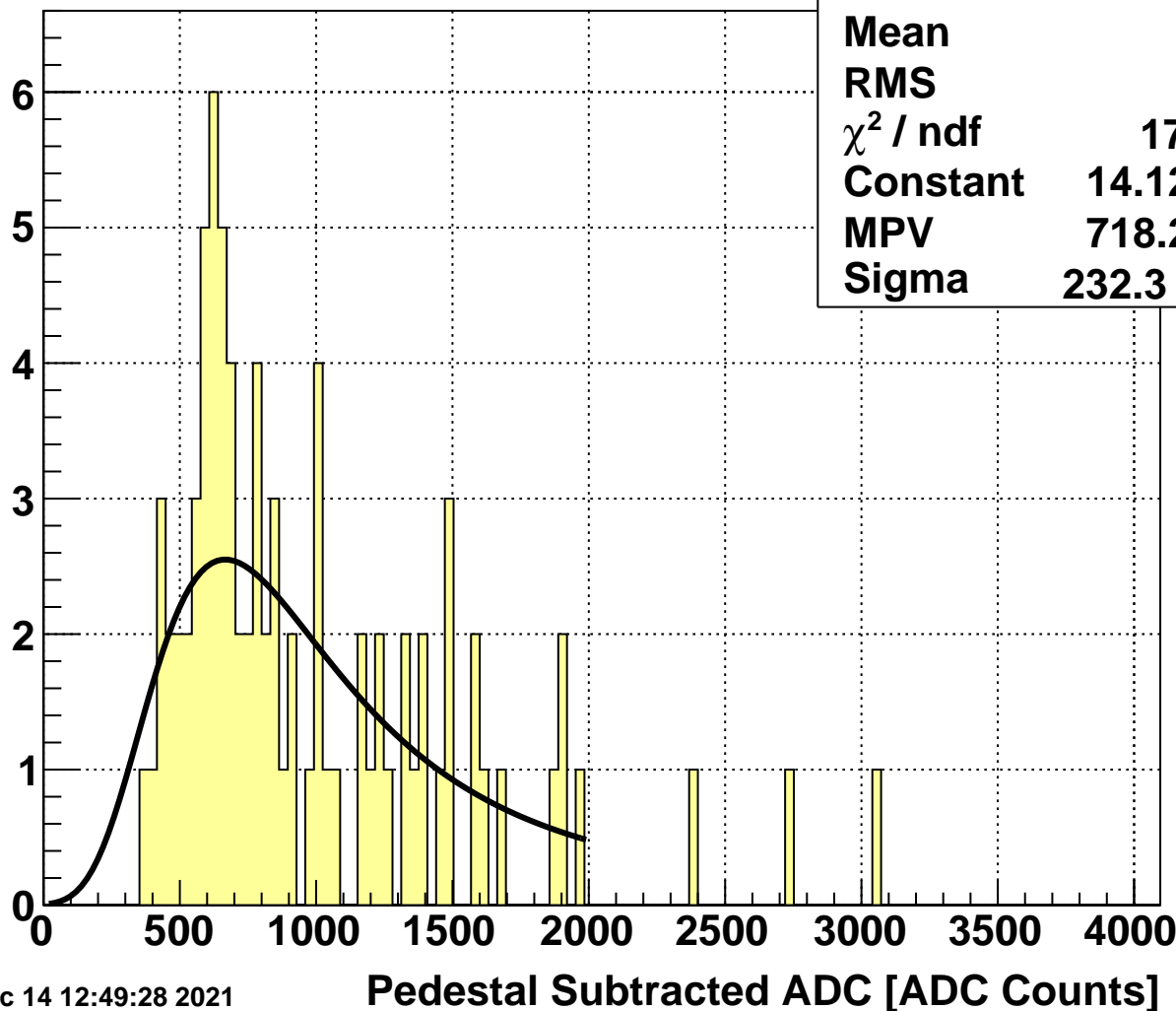
**FST - MIP peak ZS, RDO2\_ARM0\_PORT1\_SEC0****\_ZS\_Section\_14**

<b>Entries</b>	<b>43</b>
<b>Mean</b>	<b>779.7</b>
<b>RMS</b>	<b>508.9</b>
$\chi^2 / \text{ndf}$	<b>9.016 / 20</b>
<b>Constant</b>	<b><math>35.18 \pm 91.22</math></b>
<b>MPV</b>	<b><math>-1838 \pm 3237.2</math></b>
<b>Sigma</b>	<b><math>542.5 \pm 579.4</math></b>



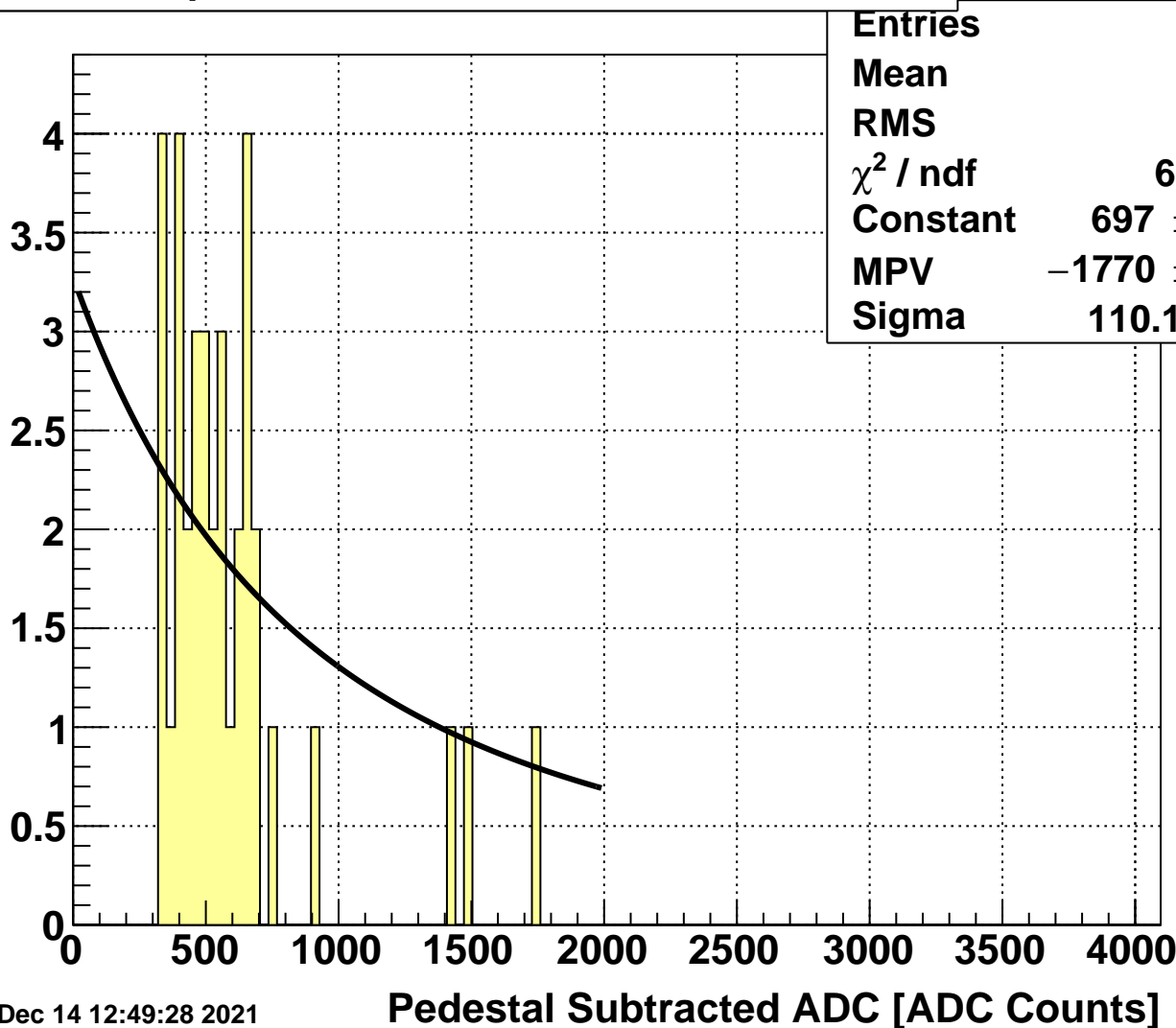
**FST - MIP peak ZS, RDO2\_ARM0\_PORT1\_SEC1****\_ZS\_Second\_15**

<b>Entries</b>	<b>83</b>
<b>Mean</b>	<b>985.5</b>
<b>RMS</b>	<b>525.5</b>
$\chi^2 / \text{ndf}$	<b>17.22 / 34</b>
<b>Constant</b>	<b>14.12 <math>\pm</math> 4.29</b>
<b>MPV</b>	<b>718.2 <math>\pm</math> 98.4</b>
<b>Sigma</b>	<b>232.3 <math>\pm</math> 131.4</b>



FST - MIP peak ZS, RDO2\_ARM1\_PORT0\_SEC0

\_ZS\_Secondary\_ZS\_Summary

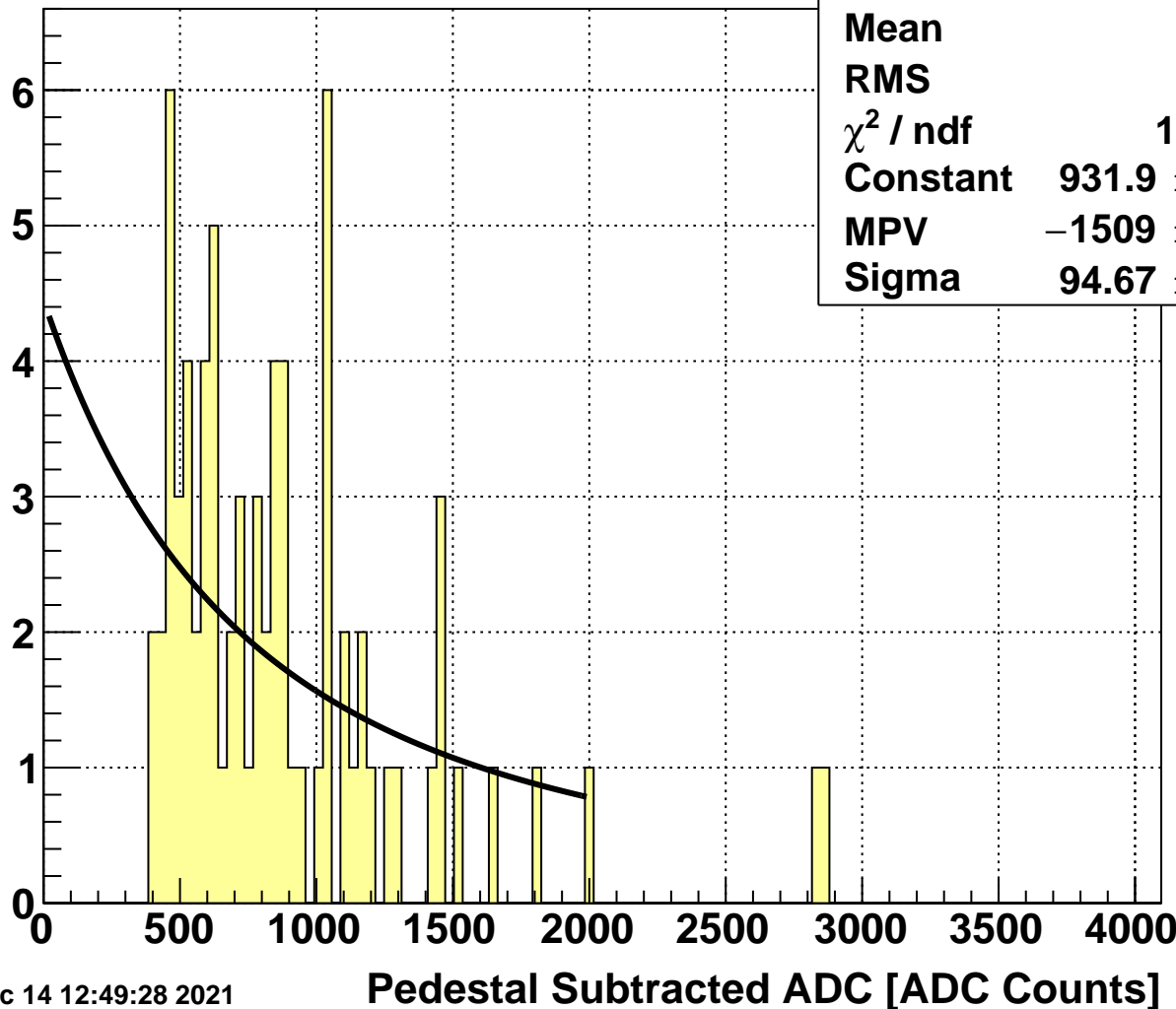


Entries	36
Mean	608.9
RMS	313.3
$\chi^2 / \text{ndf}$	6.766 / 14
Constant	$697 \pm 6355.8$
MPV	$-1770 \pm 1825.6$
Sigma	$110.1 \pm 514.5$



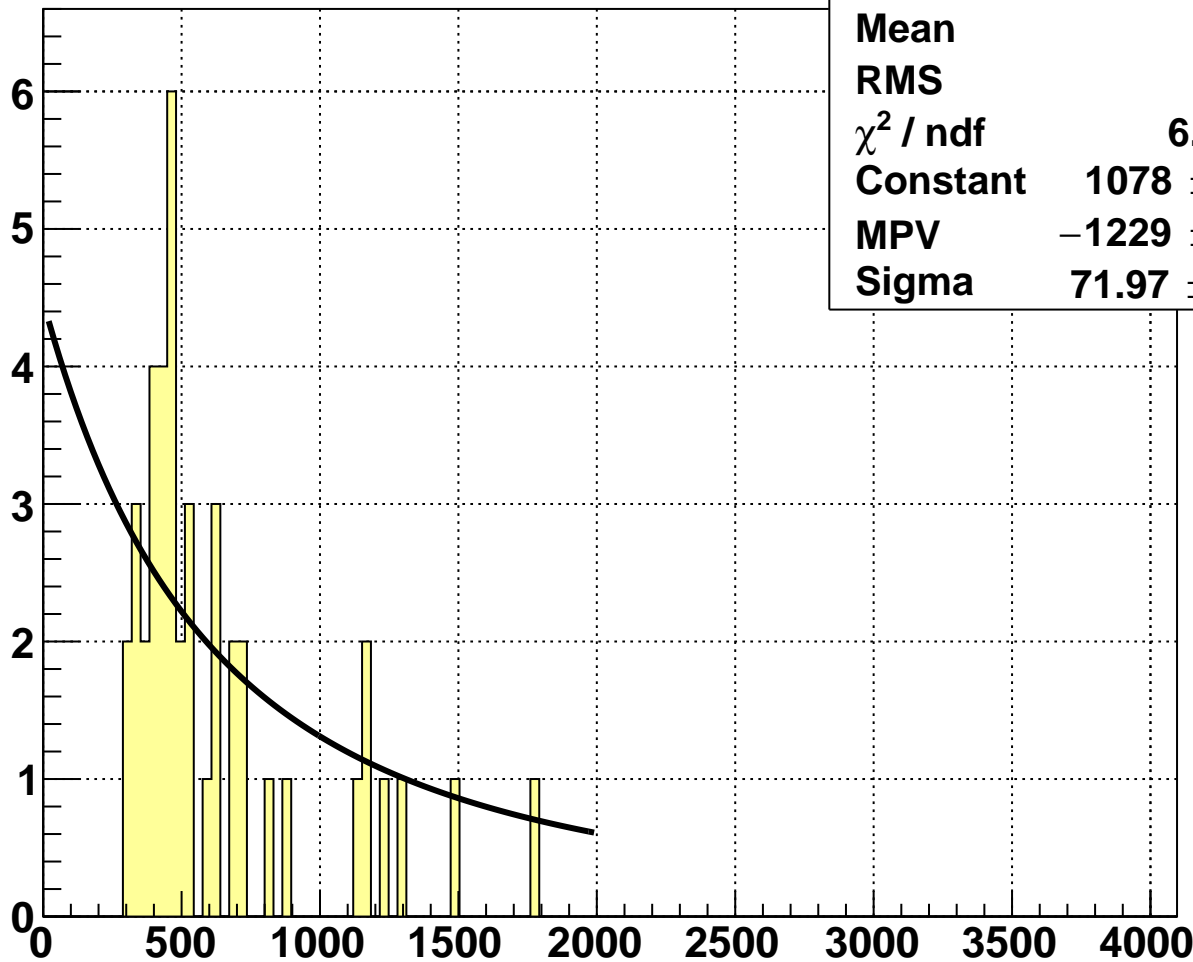
**FST - MIP peak ZS, RDO2\_ARM1\_PORT0\_SEC1****\_ZS\_Section\_17**

<b>Entries</b>	<b>75</b>
<b>Mean</b>	<b>899</b>
<b>RMS</b>	<b>475.9</b>
$\chi^2 / \text{nfd}$	<b>17.58 / 29</b>
<b>Constant</b>	<b><math>931.9 \pm 5417.5</math></b>
<b>MPV</b>	<b><math>-1509 \pm 1150.8</math></b>
<b>Sigma</b>	<b><math>94.67 \pm 260.62</math></b>



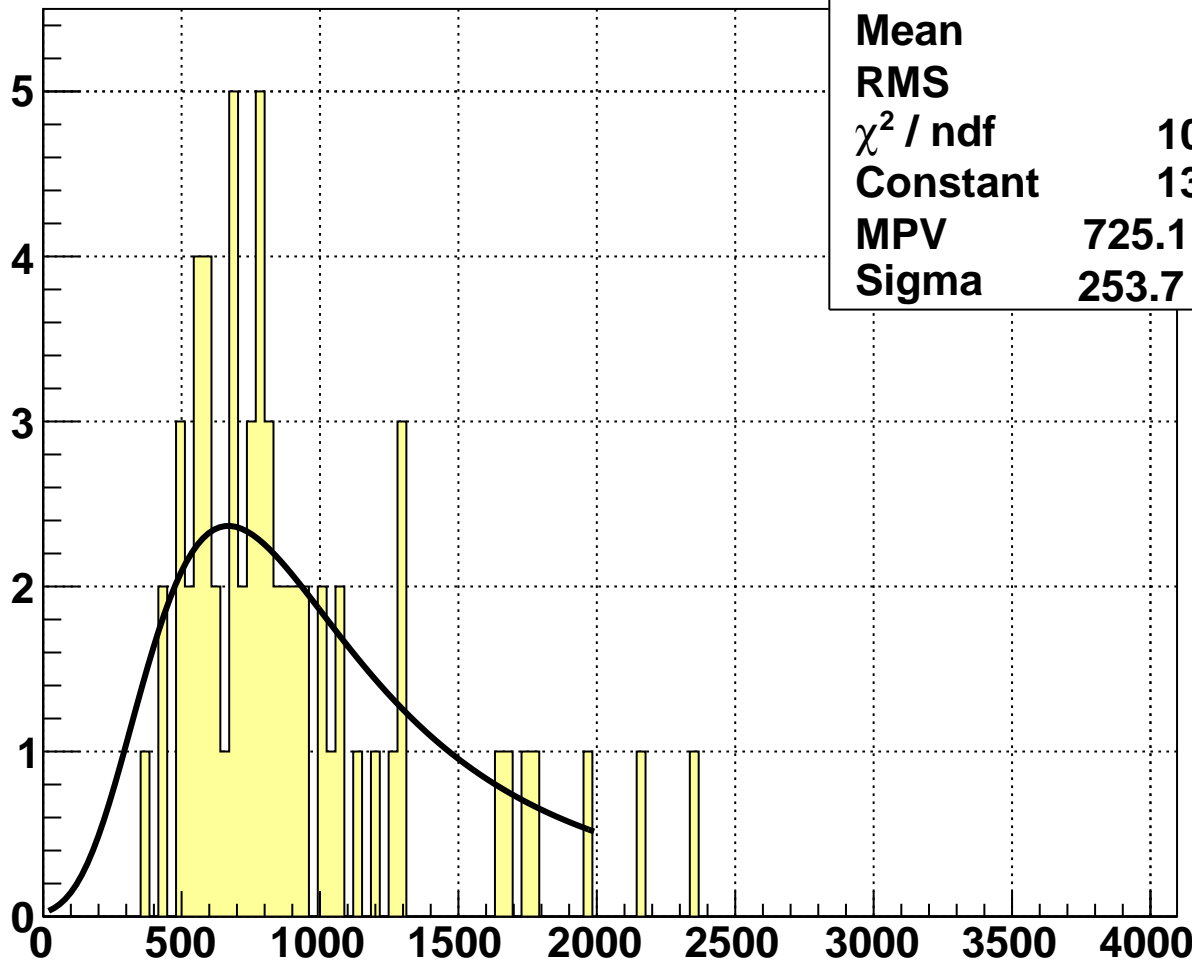
**FST - MIP peak ZS, RDO2\_ARM1\_PORT1\_SEC0****\_ZS\_Section\_18**

<b>Entries</b>	<b>43</b>
<b>Mean</b>	<b>634.7</b>
<b>RMS</b>	<b>342</b>
<b><math>\chi^2</math> / ndf</b>	<b>6.775 / 17</b>
<b>Constant</b>	<b><math>1078 \pm 5912.5</math></b>
<b>MPV</b>	<b><math>-1229 \pm 1029.3</math></b>
<b>Sigma</b>	<b><math>71.97 \pm 191.17</math></b>



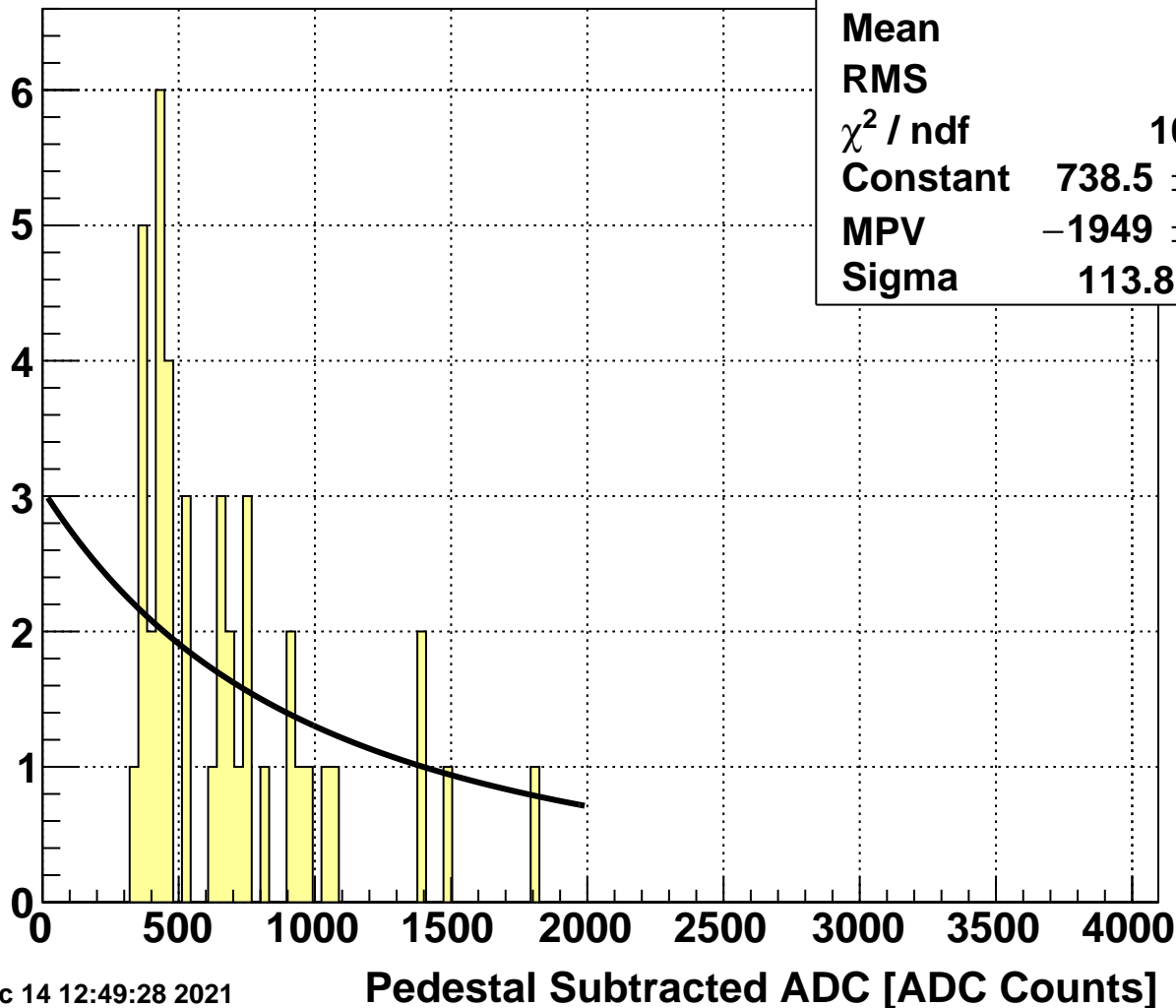
**FST - MIP peak ZS, RDO2\_ARM1\_PORT1\_SEC1****\_ZS\_Section\_19**

<b>Entries</b>	<b>63</b>
<b>Mean</b>	<b>904.6</b>
<b>RMS</b>	<b>422.3</b>
$\chi^2 / \text{ndf}$	<b>10.03 / 26</b>
<b>Constant</b>	<b><math>13.1 \pm 2.8</math></b>
<b>MPV</b>	<b><math>725.1 \pm 109.9</math></b>
<b>Sigma</b>	<b><math>253.7 \pm 112.6</math></b>



**FST - MIP peak ZS, RDO2\_ARM2\_PORT0\_SEC0****\_ZS\_Section\_20**

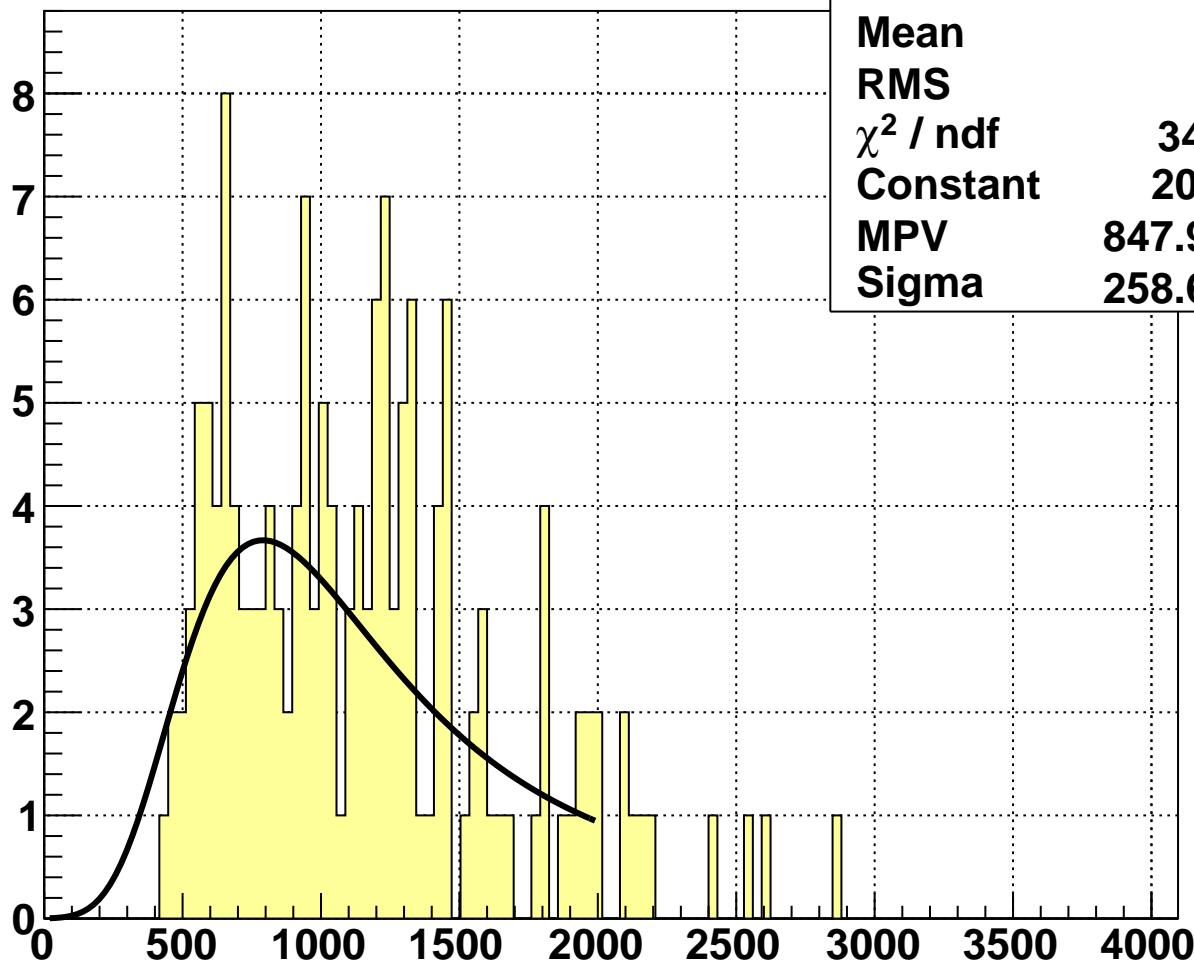
<b>Entries</b>	<b>42</b>
<b>Mean</b>	<b>682.4</b>
<b>RMS</b>	<b>340.7</b>
<b><math>\chi^2</math> / ndf</b>	<b>10.73 / 17</b>
<b>Constant</b>	<b><math>738.5 \pm 6047.8</math></b>
<b>MPV</b>	<b><math>-1949 \pm 2058.4</math></b>
<b>Sigma</b>	<b><math>113.8 \pm 432.3</math></b>



FST - MIP peak ZS, RDO2\_ARM2\_PORT0\_SEC1

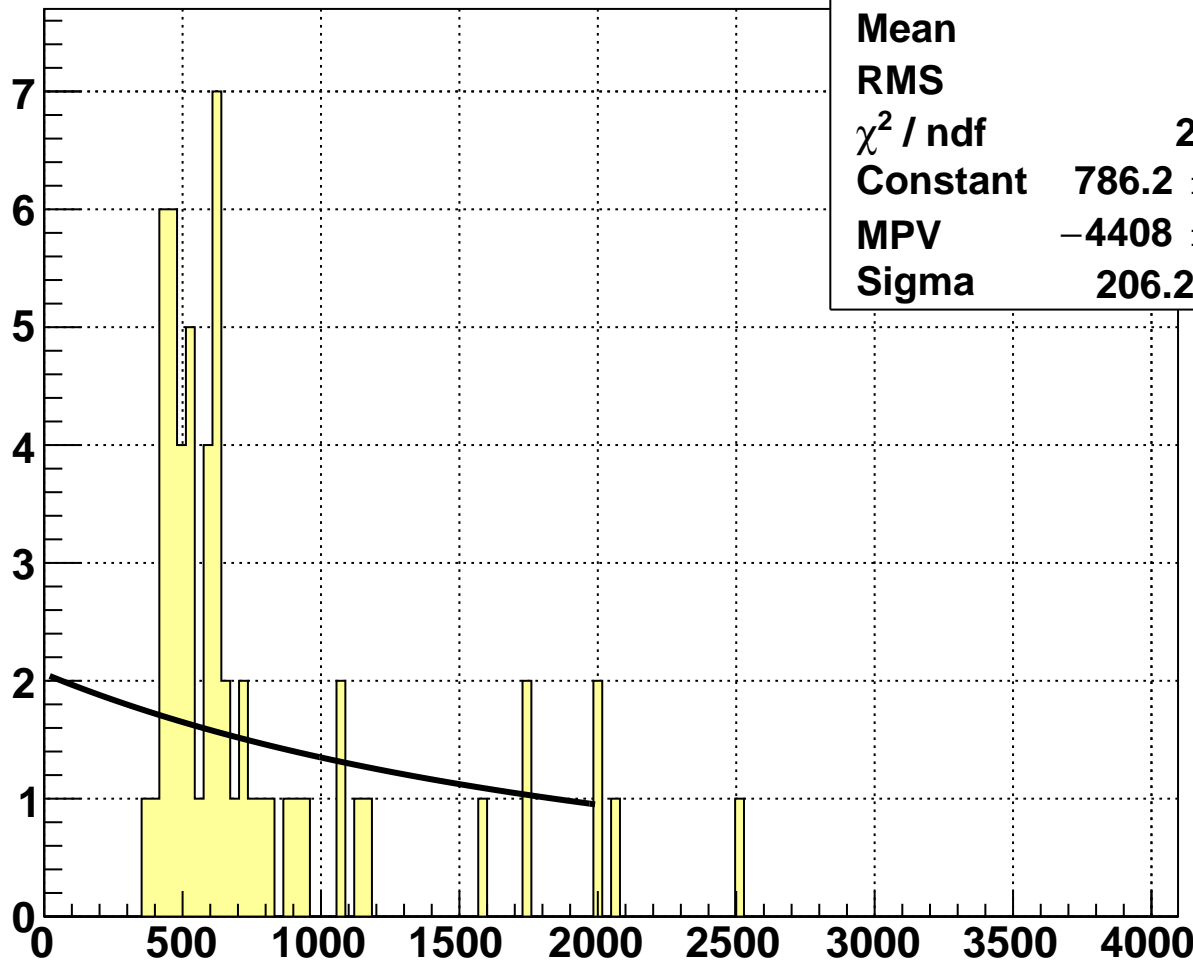
\_ZS\_Section\_21

Entries	156
Mean	1156
RMS	491.8
$\chi^2 / \text{ndf}$	34.71 / 43
Constant	$20.3 \pm 3.0$
MPV	$847.9 \pm 65.6$
Sigma	$258.6 \pm 55.0$



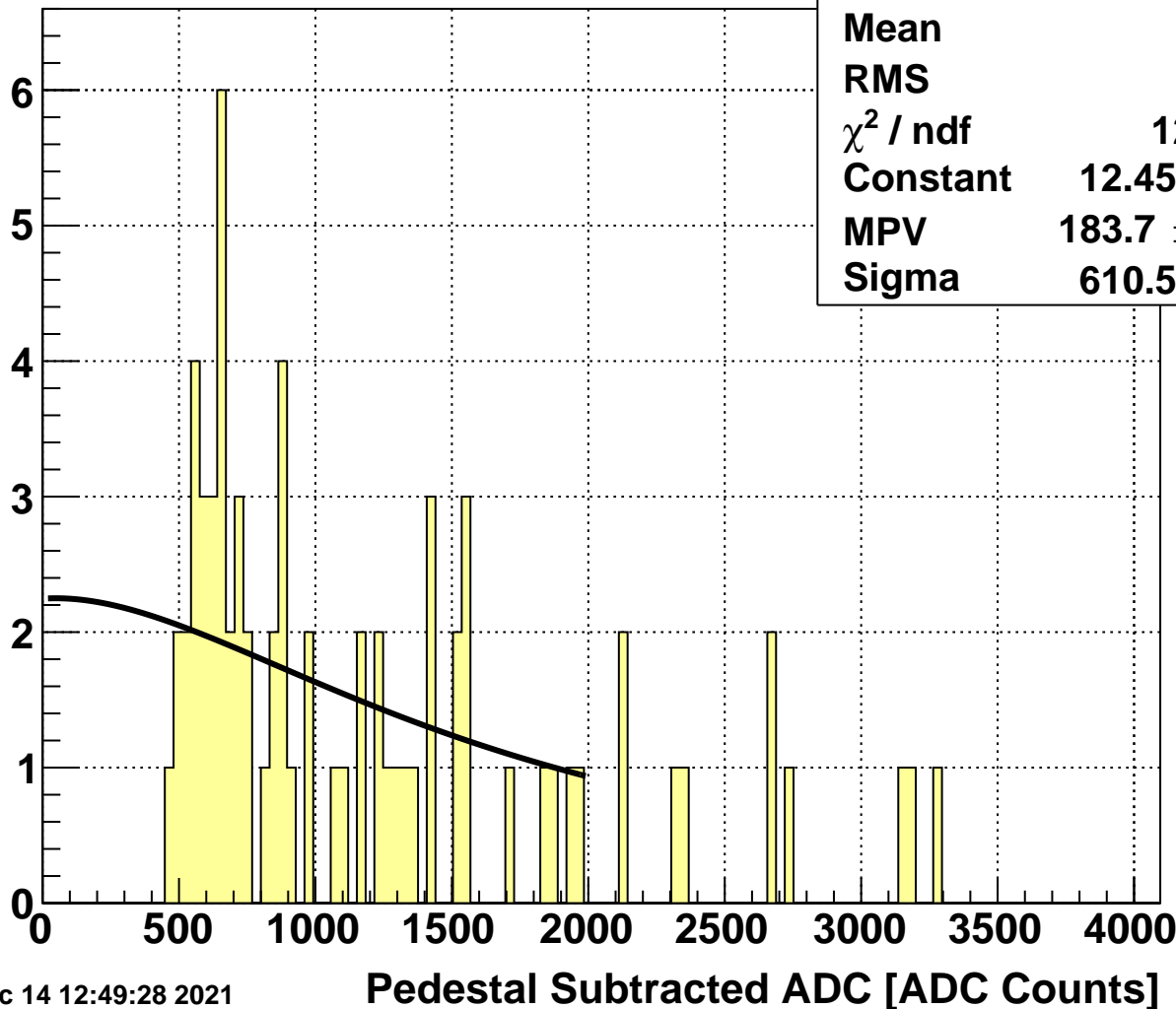
**FST - MIP peak ZS, RDO2\_ARM2\_PORT1\_SEC0****\_ZS\_Section\_22**

<b>Entries</b>	<b>57</b>
<b>Mean</b>	<b>781.7</b>
<b>RMS</b>	<b>481</b>
<b><math>\chi^2</math> / ndf</b>	<b>20.02 / 21</b>
<b>Constant</b>	<b><math>786.2 \pm 3044.0</math></b>
<b>MPV</b>	<b><math>-4408 \pm 9305.3</math></b>
<b>Sigma</b>	<b><math>206.2 \pm 491.6</math></b>



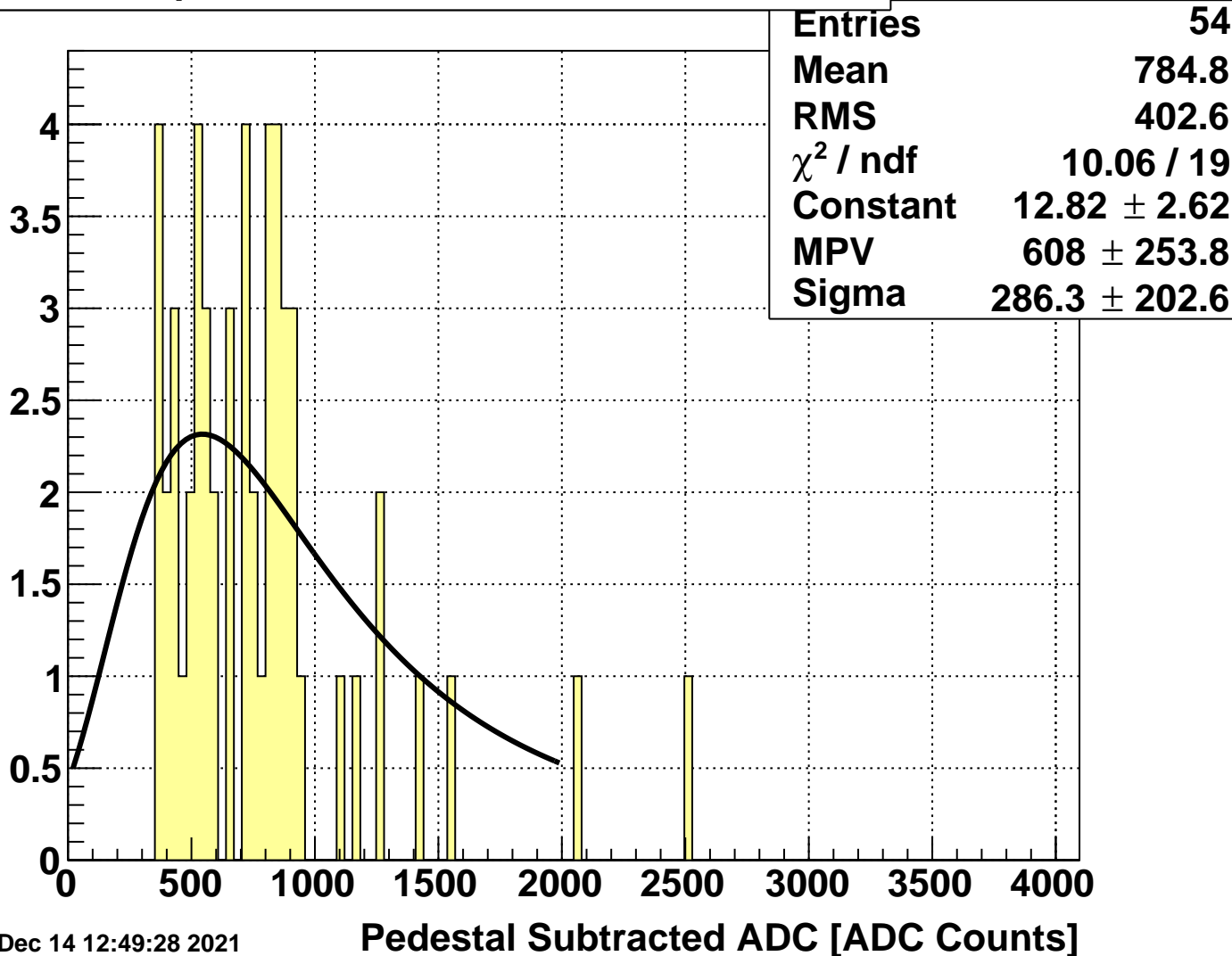
**FST - MIP peak ZS, RDO2\_ARM2\_PORT1\_SEC1****\_ZS\_Section\_23**

<b>Entries</b>	<b>71</b>
<b>Mean</b>	<b>1215</b>
<b>RMS</b>	<b>718.8</b>
<b><math>\chi^2</math> / ndf</b>	<b>12.41 / 28</b>
<b>Constant</b>	<b><math>12.45 \pm 23.45</math></b>
<b>MPV</b>	<b><math>183.7 \pm 5075.6</math></b>
<b>Sigma</b>	<b><math>610.5 \pm 878.6</math></b>



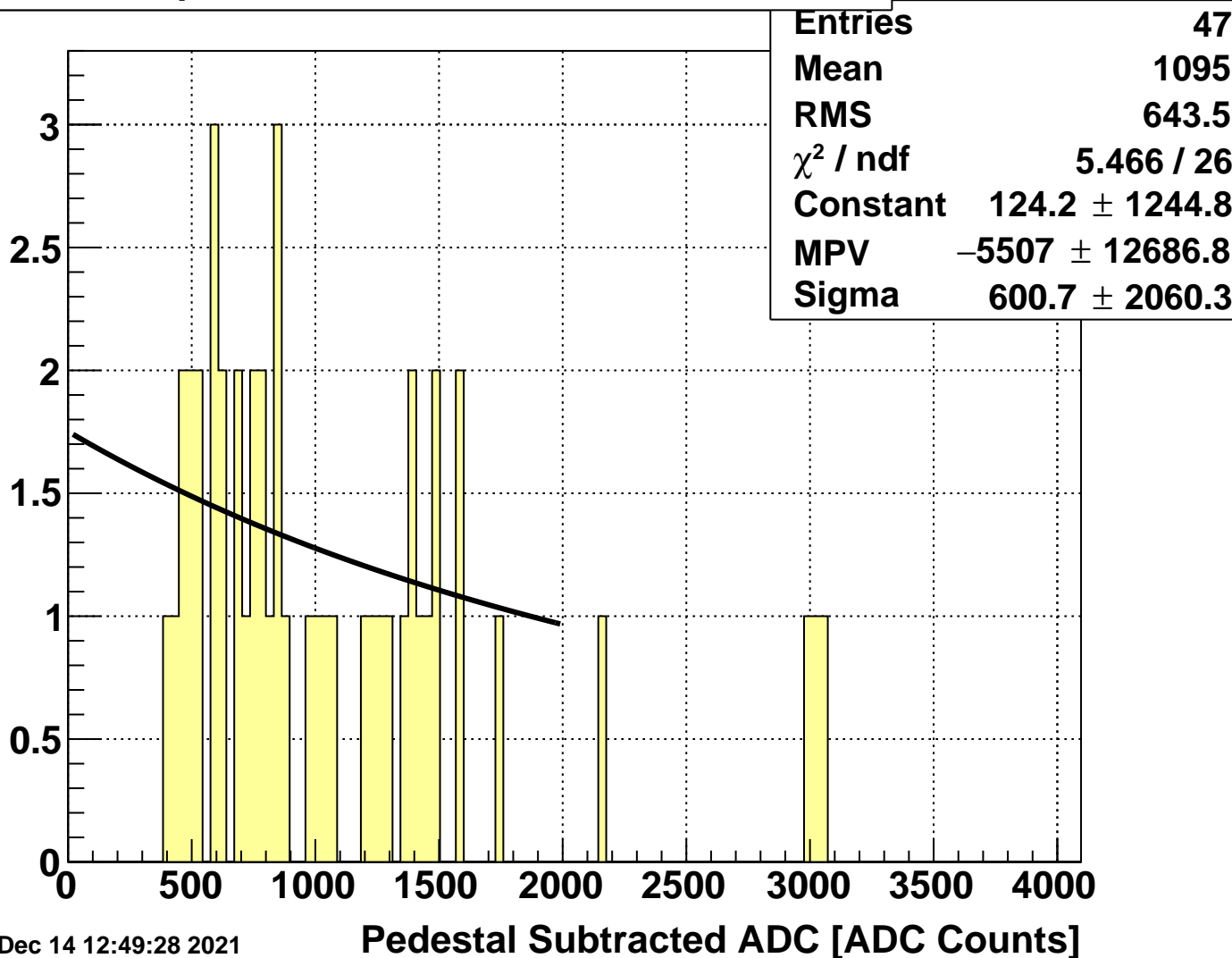
FST - MIP peak ZS, RDO3\_ARM0\_PORT0\_SEC0

\_ZS\_Section\_24



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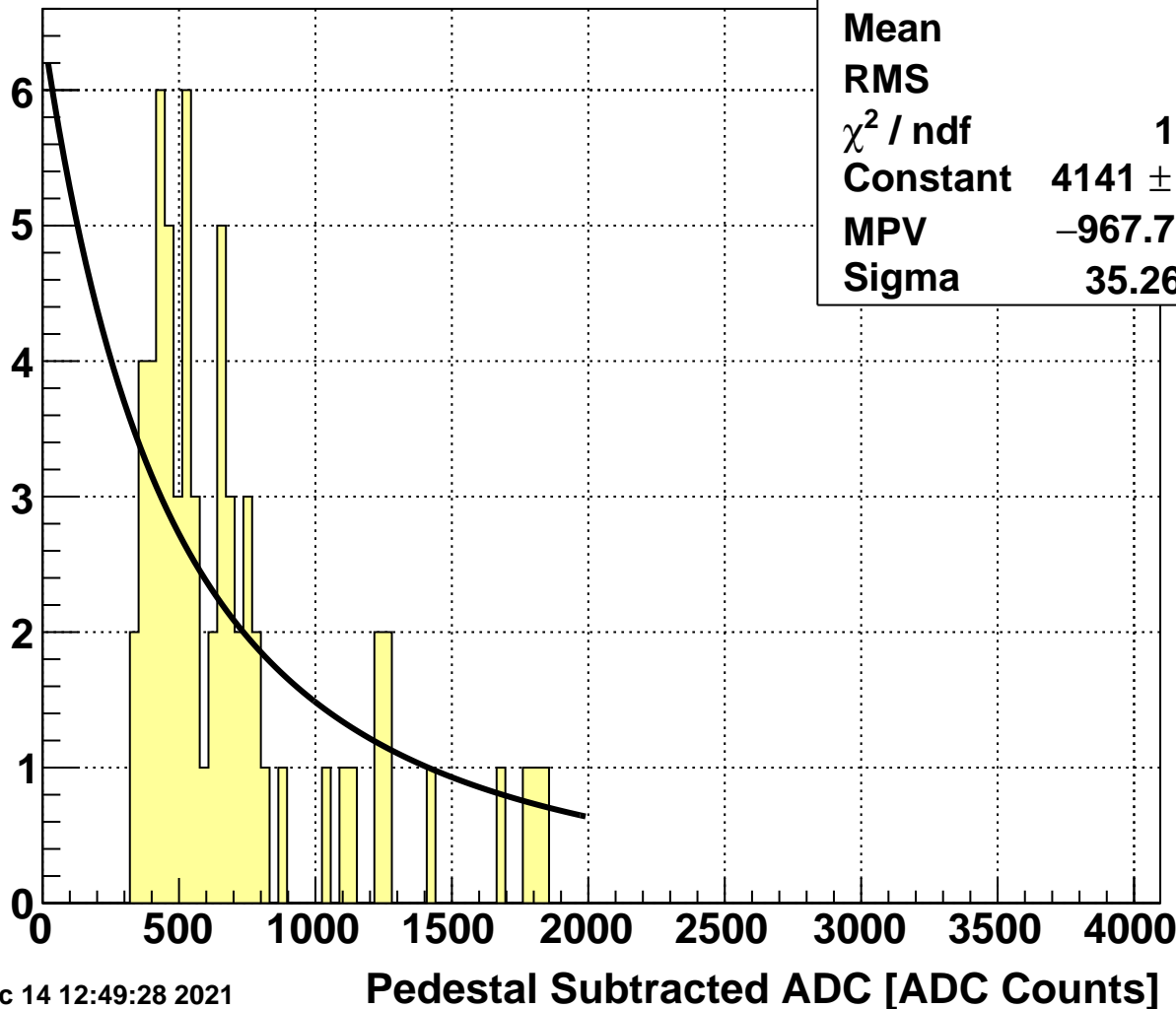


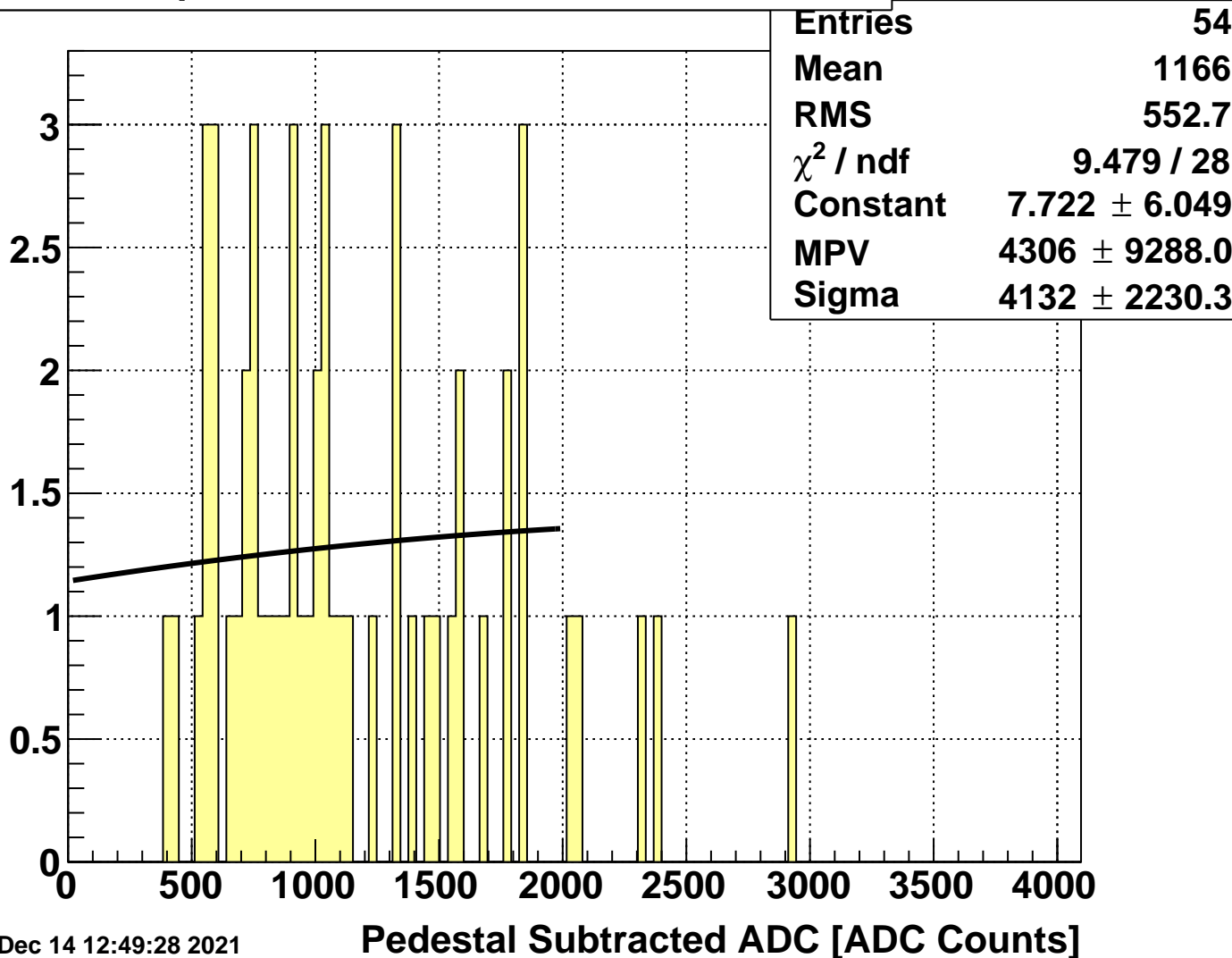
**FST - MIP peak ZS, RDO3\_ARM0\_PORT0\_SEC1****\_ZS\_Section\_25**

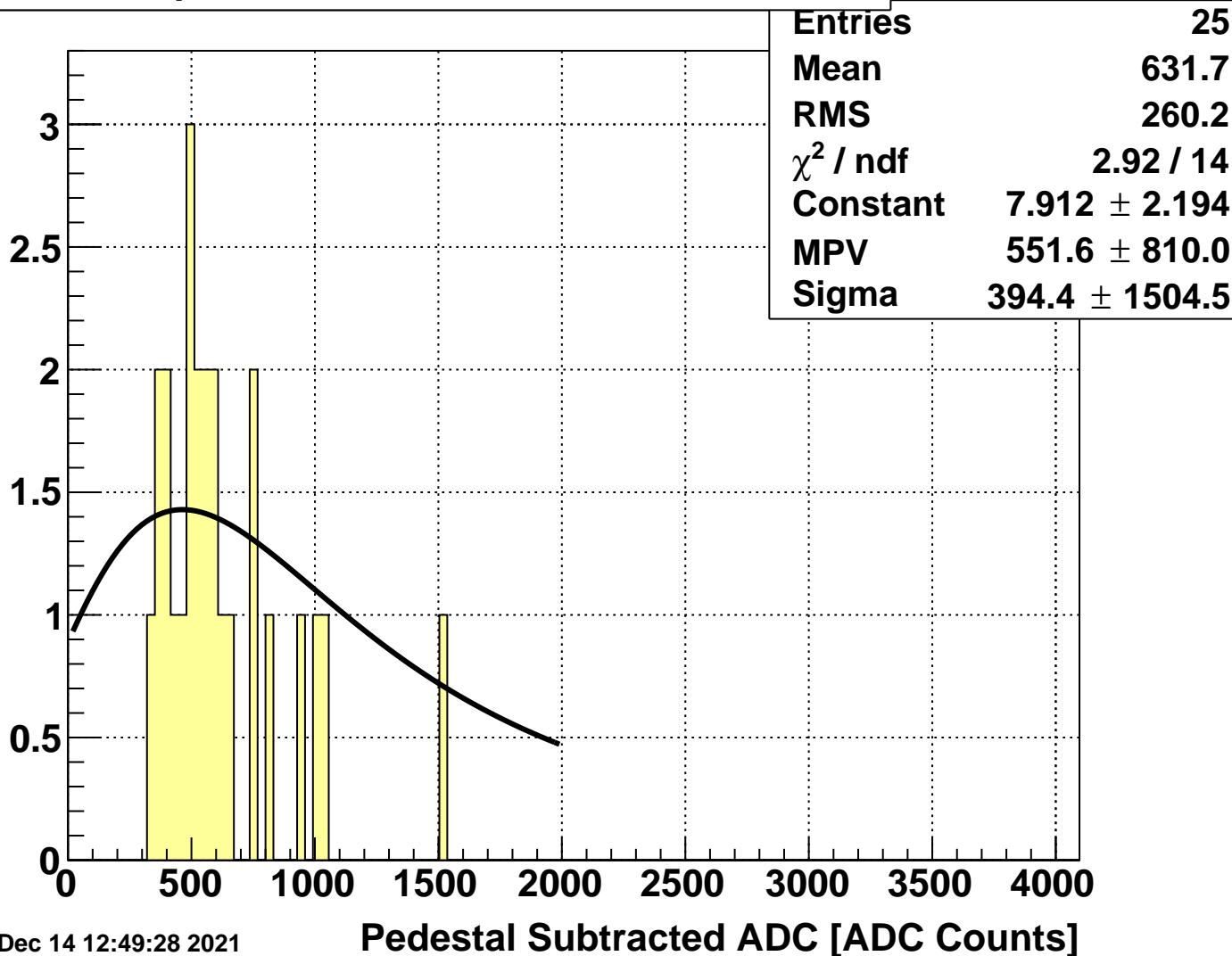
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**FST - MIP peak ZS, RDO3\_ARM0\_PORT1\_SEC0****\_ZS\_Section\_26**

<b>Entries</b>	<b>65</b>
<b>Mean</b>	<b>704.6</b>
<b>RMS</b>	<b>375.5</b>
$\chi^2 / \text{ndf}$	<b>12.48 / 24</b>
<b>Constant</b>	<b><math>4141 \pm 16969.9</math></b>
<b>MPV</b>	<b><math>-967.7 \pm 604.2</math></b>
<b>Sigma</b>	<b><math>35.26 \pm 73.91</math></b>

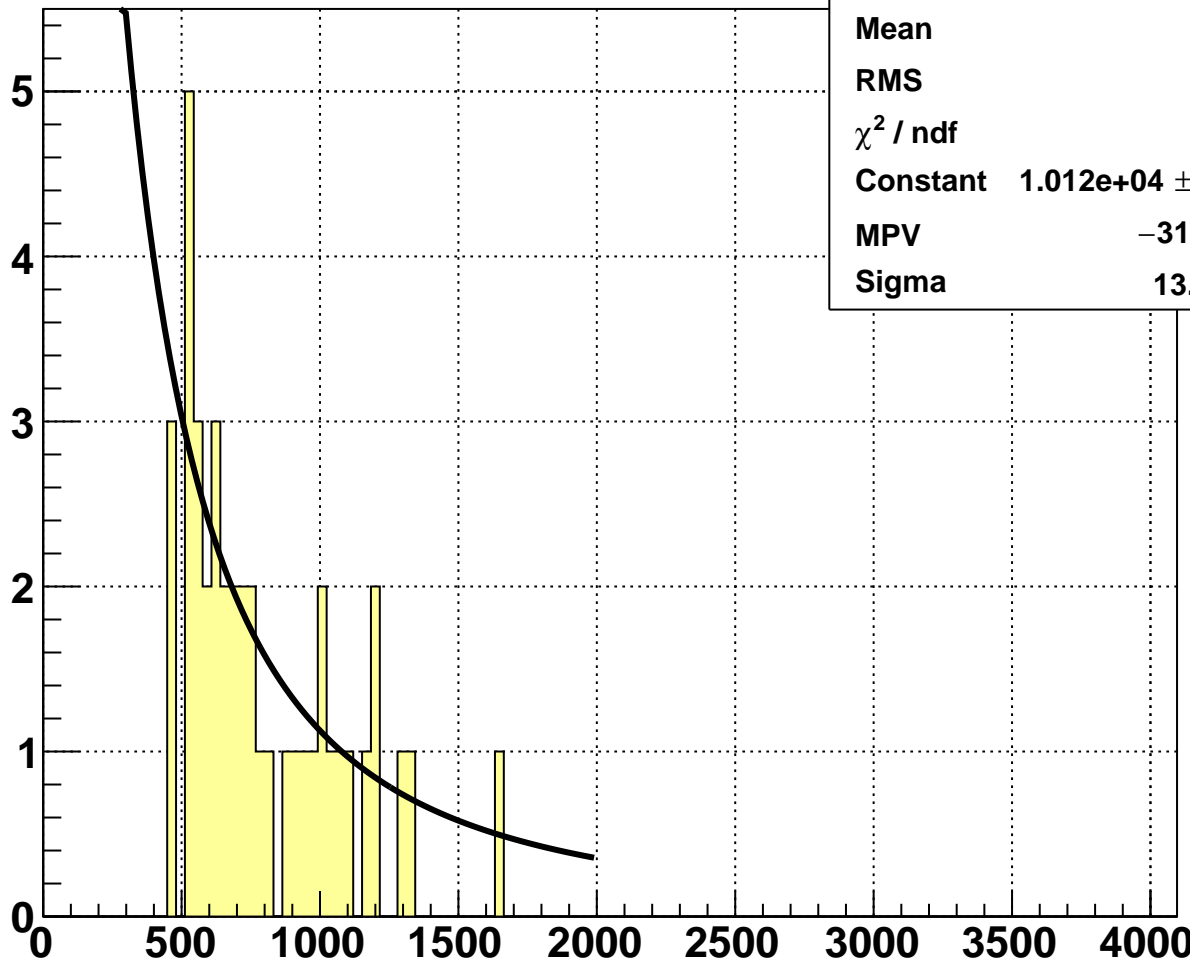


**FST - MIP peak ZS, RDO3\_ARM0\_PORT1\_SEC1****\_ZS\_Section\_27**

**FST - MIP peak ZS, RDO3\_ARM1\_PORT0\_SEC0****\_ZS\_Section\_28**

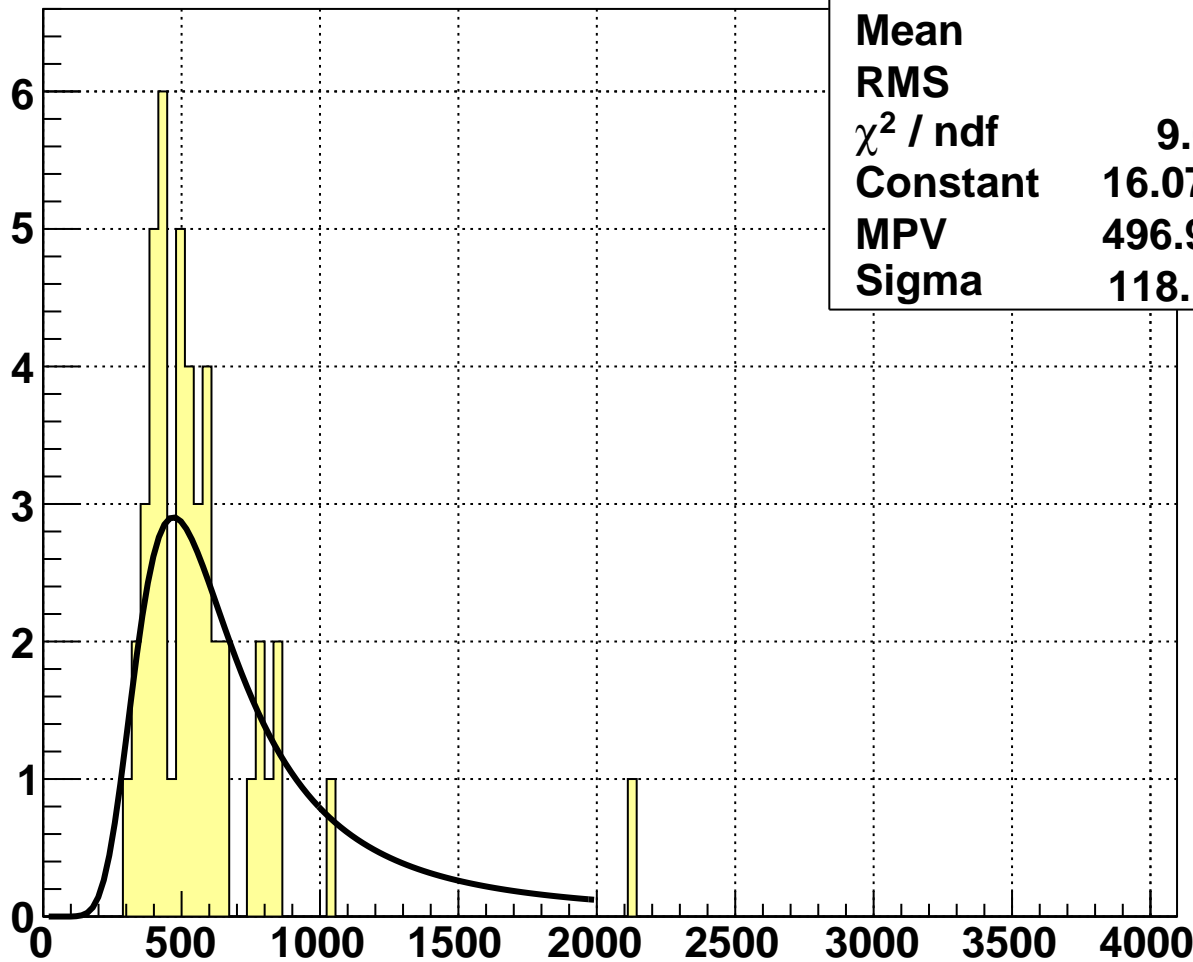
# FST - MIP peak ZS, RDO3\_ARM1\_PORT0\_SEC1\_ZS\_Section\_29

Entries	41
Mean	799.8
RMS	280.9
$\chi^2 / \text{ndf}$	3.845 / 21
Constant	$1.012\text{e}+04 \pm 3.109\text{e}+04$
MPV	$-310.9 \pm 517.1$
Sigma	$13.33 \pm 19.56$



**FST - MIP peak ZS, RDO3\_ARM1\_PORT1\_SEC0****\_ZS\_Second\_30**

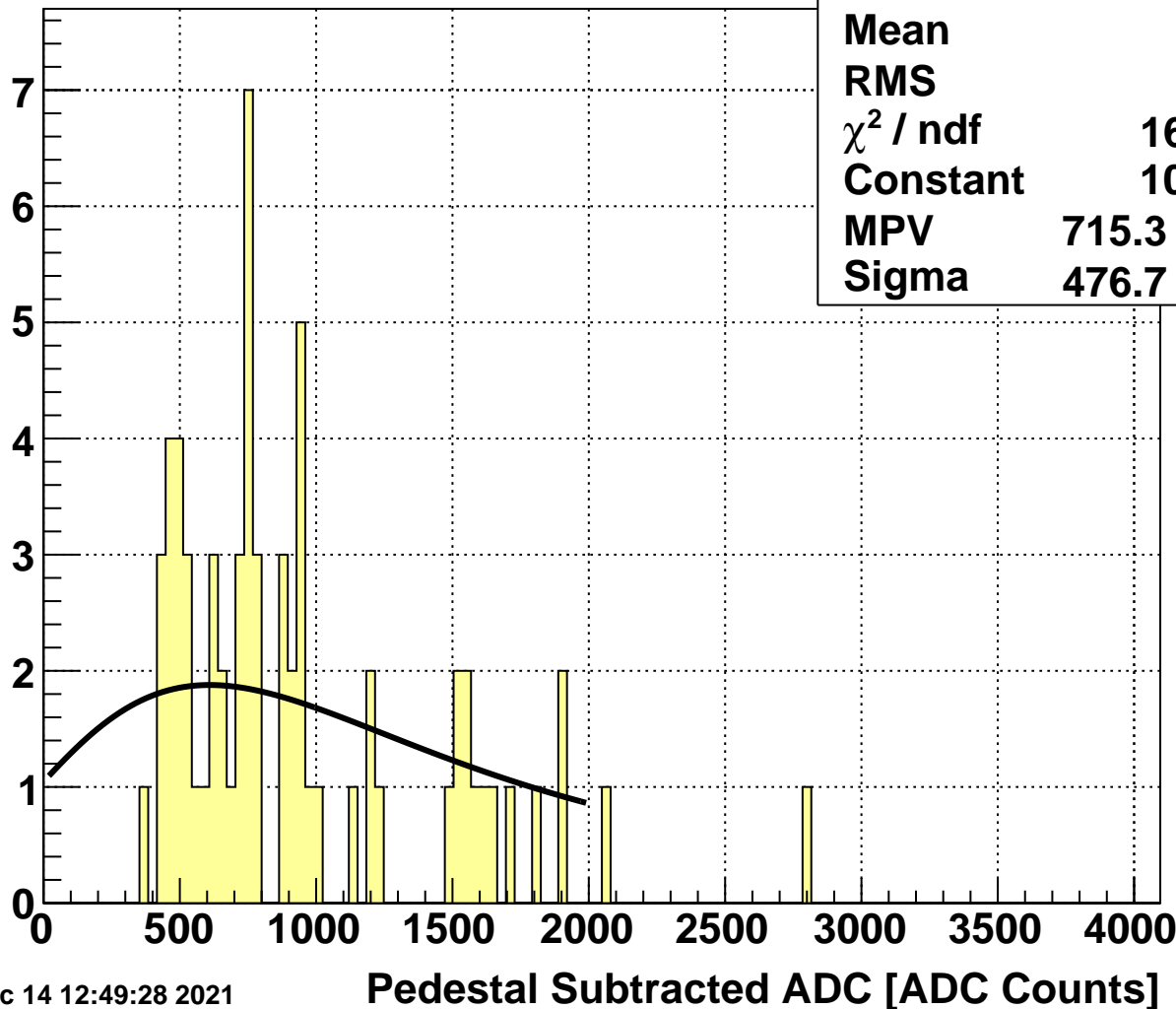
<b>Entries</b>	<b>46</b>
<b>Mean</b>	<b>572.5</b>
<b>RMS</b>	<b>281.2</b>
<b><math>\chi^2</math> / ndf</b>	<b>9.672 / 14</b>
<b>Constant</b>	<b><math>16.07 \pm 3.79</math></b>
<b>MPV</b>	<b><math>496.9 \pm 55.5</math></b>
<b>Sigma</b>	<b><math>118.1 \pm 43.7</math></b>



**FST - MIP peak ZS, RDO3\_ARM1\_PORT1\_SEC1**

**\_ZS\_Section\_31**

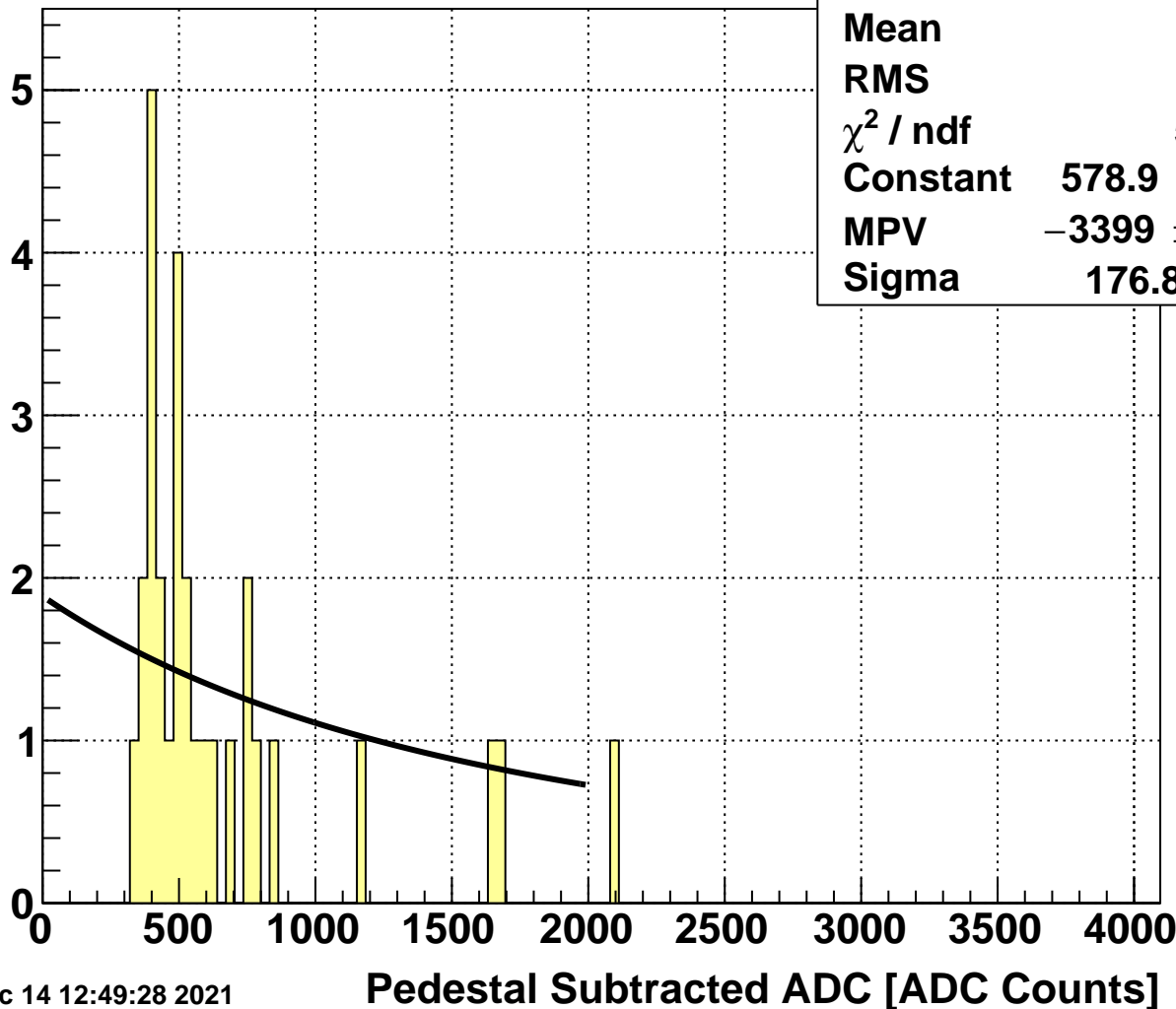
<b>Entries</b>	<b>66</b>
<b>Mean</b>	<b>945.7</b>
<b>RMS</b>	<b>491.2</b>
$\chi^2 / \text{ndf}$	<b>16.82 / 27</b>
<b>Constant</b>	<b><math>10.4 \pm 2.1</math></b>
<b>MPV</b>	<b><math>715.3 \pm 473.2</math></b>
<b>Sigma</b>	<b><math>476.7 \pm 412.8</math></b>



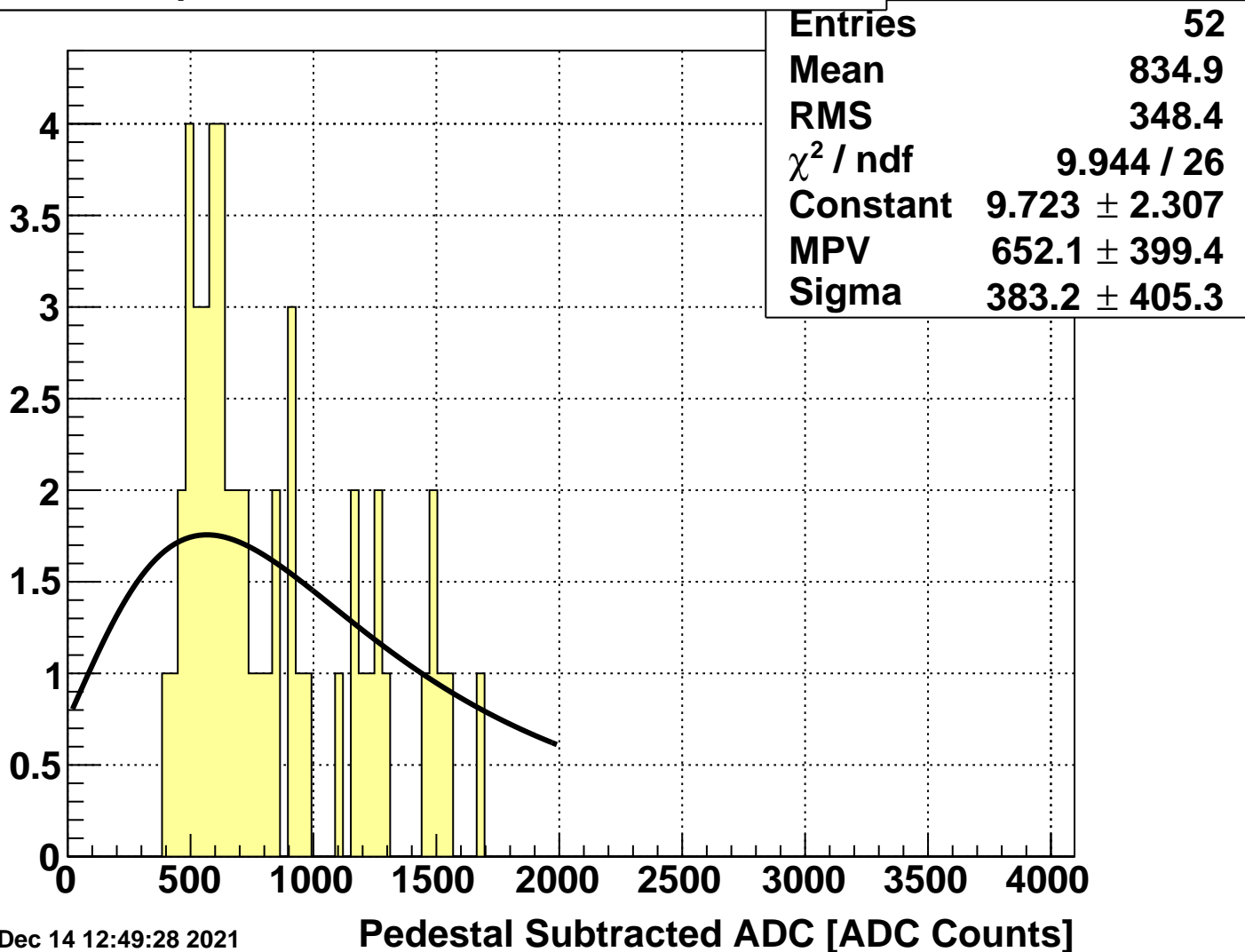
FST - MIP peak ZS, RDO3\_ARM2\_PORT0\_SEC0

\_ZS\_Section\_32

Entries	29
Mean	676.3
RMS	426.6
$\chi^2 / \text{ndf}$	5.94 / 14
Constant	$578.9 \pm 4724.1$
MPV	$-3399 \pm 6258.4$
Sigma	$176.8 \pm 674.1$

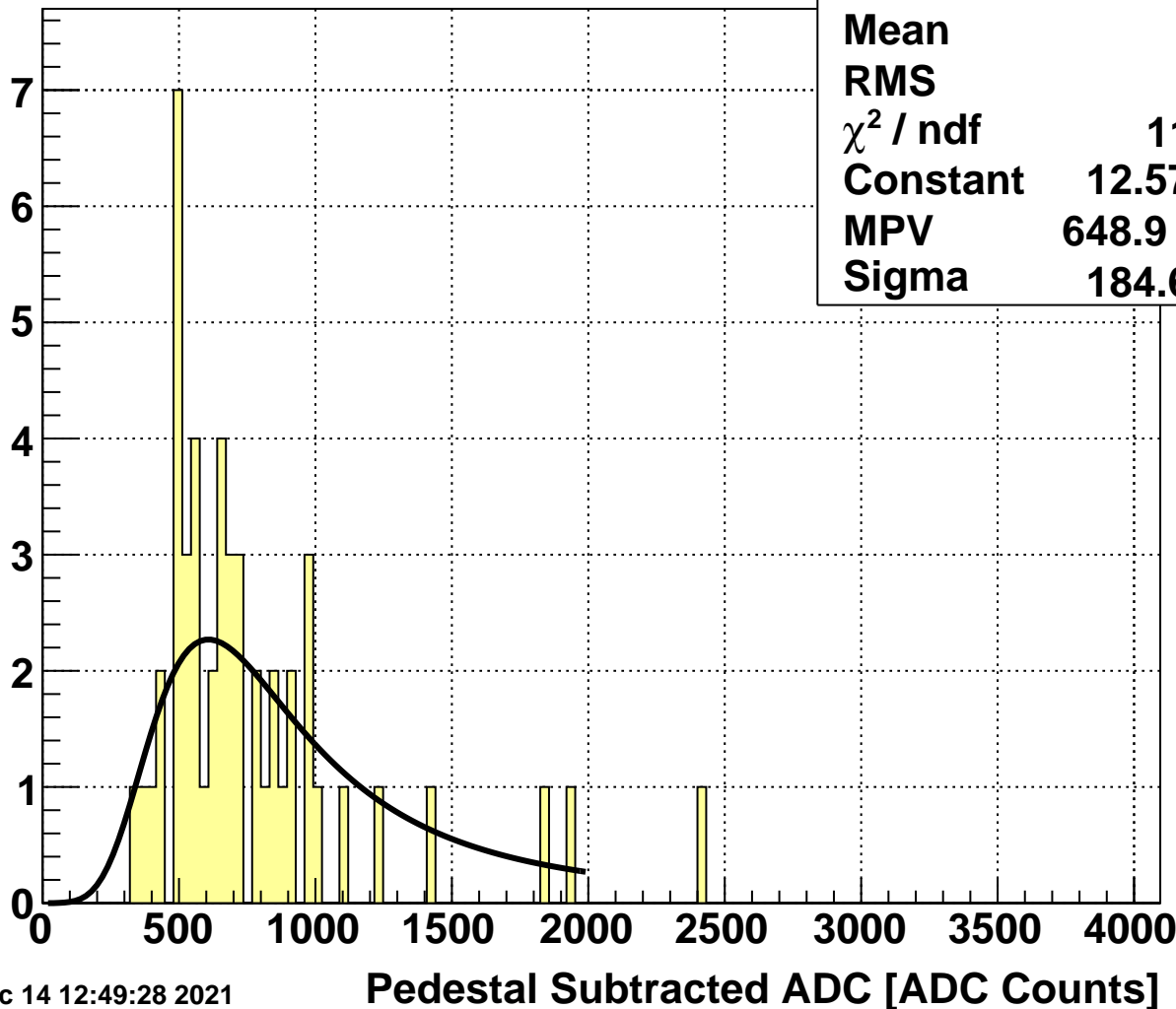




**FST - MIP peak ZS, RDO3\_ARM2\_PORT0\_SEC1****\_ZS\_Second\_33**

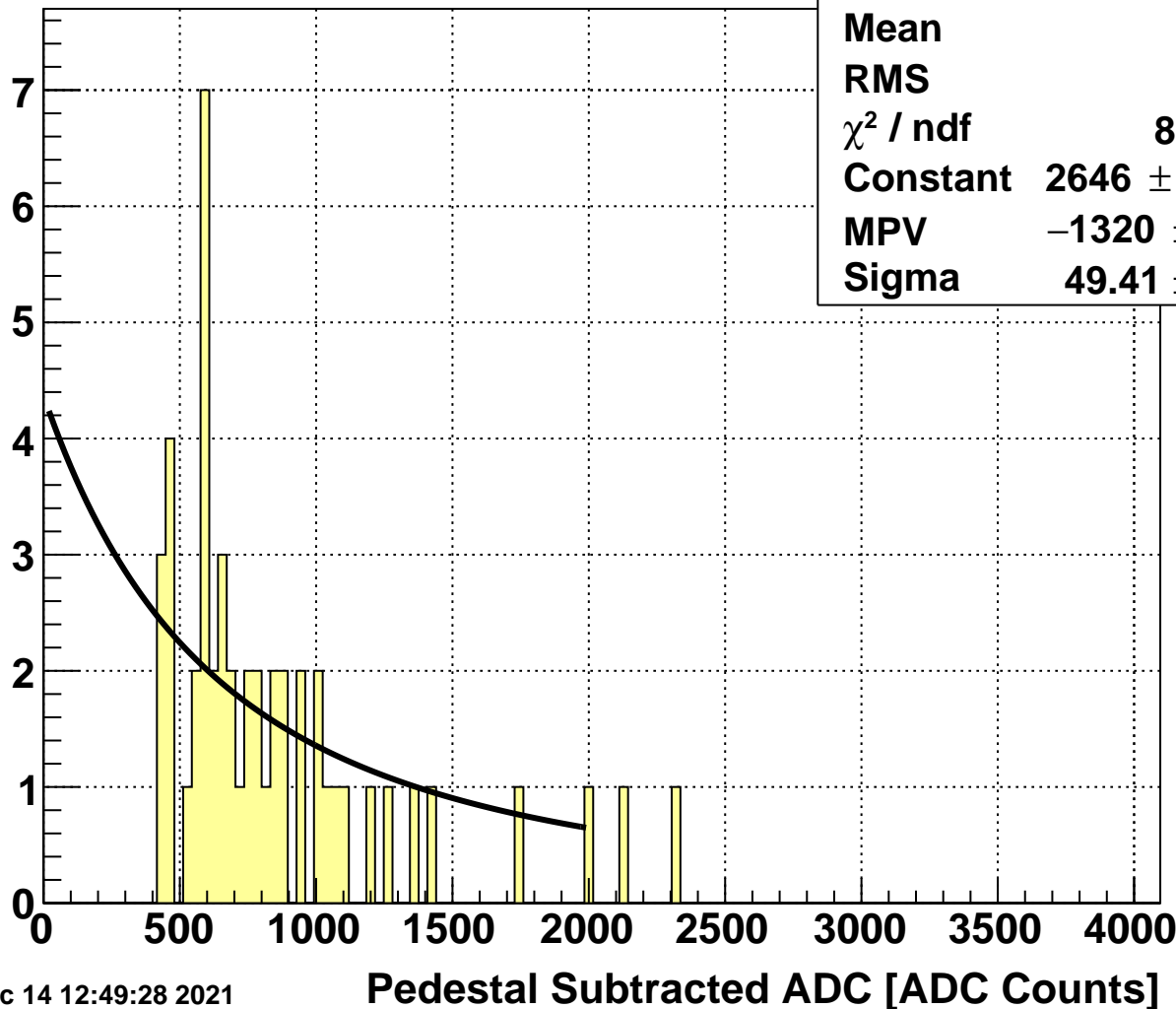
**FST - MIP peak ZS, RDO3\_ARM2\_PORT1\_SEC0****\_ZS\_Section\_34**

<b>Entries</b>	<b>50</b>
<b>Mean</b>	<b>775.8</b>
<b>RMS</b>	<b>396.7</b>
$\chi^2 / \text{ndf}$	<b>11.14 / 21</b>
<b>Constant</b>	<b><math>12.57 \pm 3.49</math></b>
<b>MPV</b>	<b><math>648.9 \pm 102.5</math></b>
<b>Sigma</b>	<b><math>184.6 \pm 95.2</math></b>



**FST - MIP peak ZS, RDO3\_ARM2\_PORT1\_SEC1****\_ZS\_Section\_35**

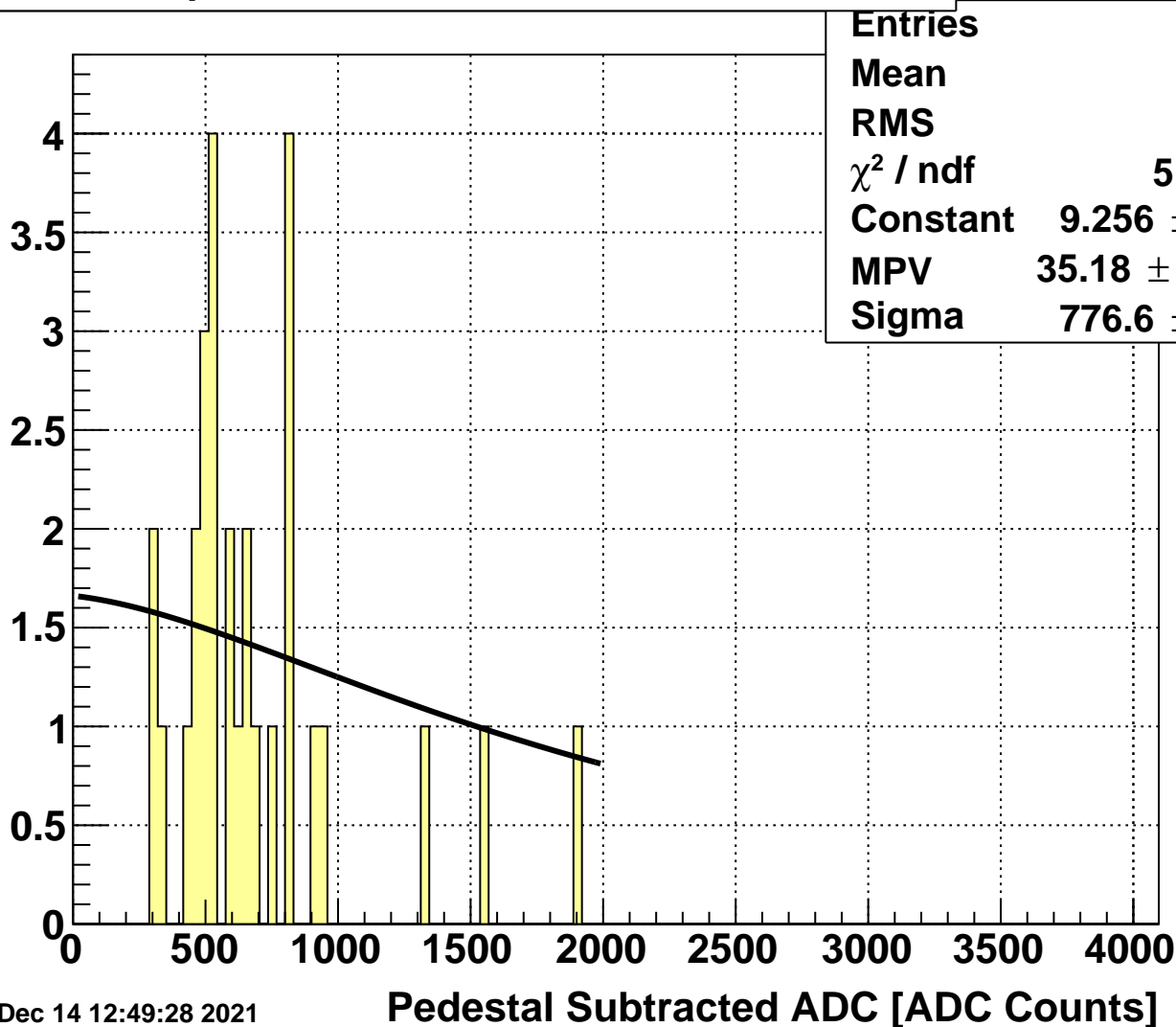
<b>Entries</b>	<b>49</b>
<b>Mean</b>	<b>858.8</b>
<b>RMS</b>	<b>433.2</b>
<b><math>\chi^2</math> / ndf</b>	<b>8.235 / 22</b>
<b>Constant</b>	<b><math>2646 \pm 16718.9</math></b>
<b>MPV</b>	<b><math>-1320 \pm 1367.8</math></b>
<b>Sigma</b>	<b><math>49.41 \pm 154.33</math></b>



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FST - MIP peak ZS, RDO4\_ARM0\_PORT0\_SEC0

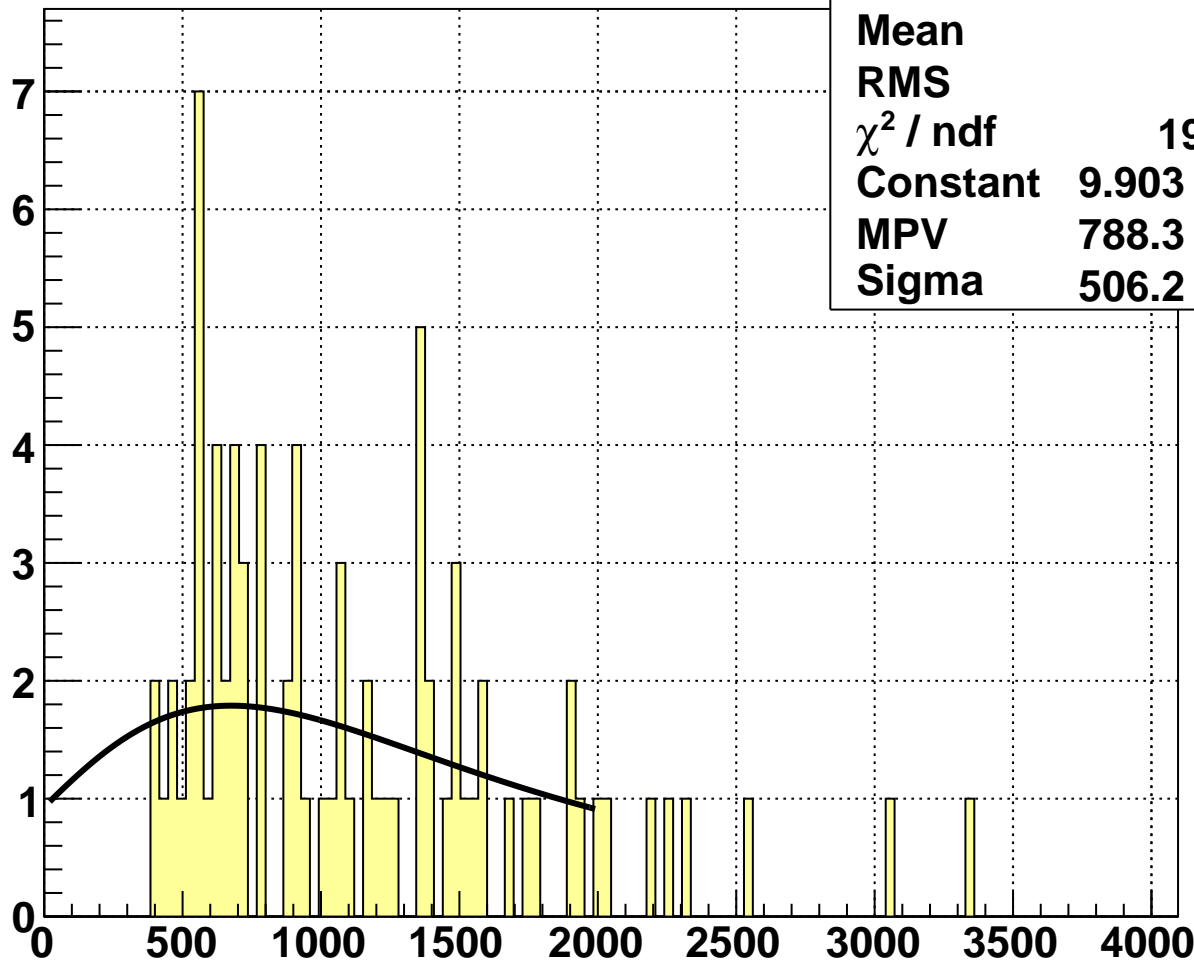
\_ZS\_Second\_36



Entries	29
Mean	704.3
RMS	350.3
$\chi^2 / \text{ndf}$	5.916 / 14
Constant	$9.256 \pm 23.254$
MPV	$35.18 \pm 9643.59$
Sigma	$776.6 \pm 1909.2$

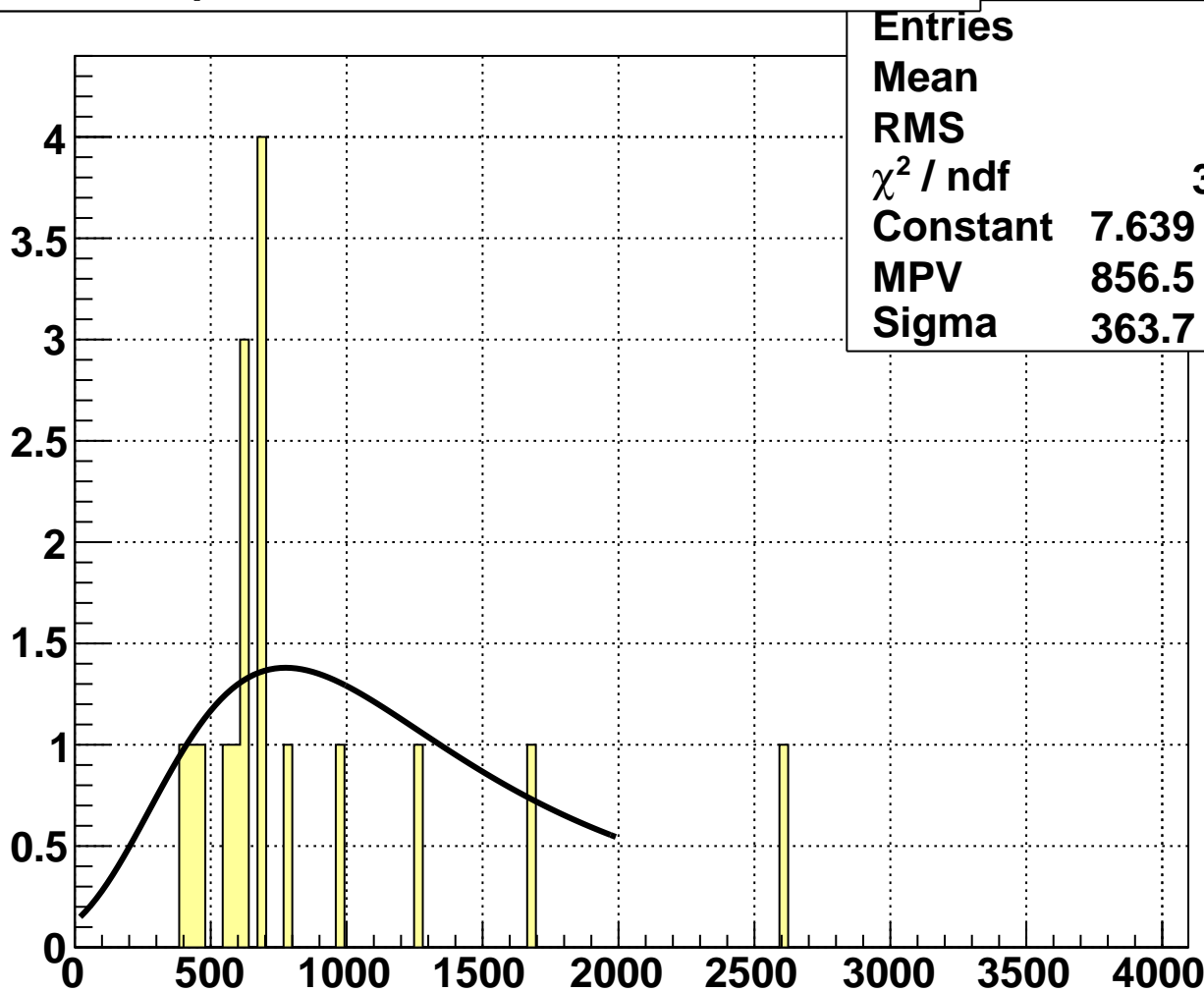
**FST - MIP peak ZS, RDO4\_ARM0\_PORT0\_SEC1****\_ZS\_Section\_37**

<b>Entries</b>	<b>80</b>
<b>Mean</b>	<b>1141</b>
<b>RMS</b>	<b>616</b>
<b><math>\chi^2 / \text{ndf}</math></b>	<b>19.25 / 33</b>
<b>Constant</b>	<b><math>9.903 \pm 2.203</math></b>
<b>MPV</b>	<b><math>788.3 \pm 398.7</math></b>
<b>Sigma</b>	<b><math>506.2 \pm 475.7</math></b>



FST - MIP peak ZS, RDO4\_ARM0\_PORT1\_SEC0

\_ZS\_Second\_38

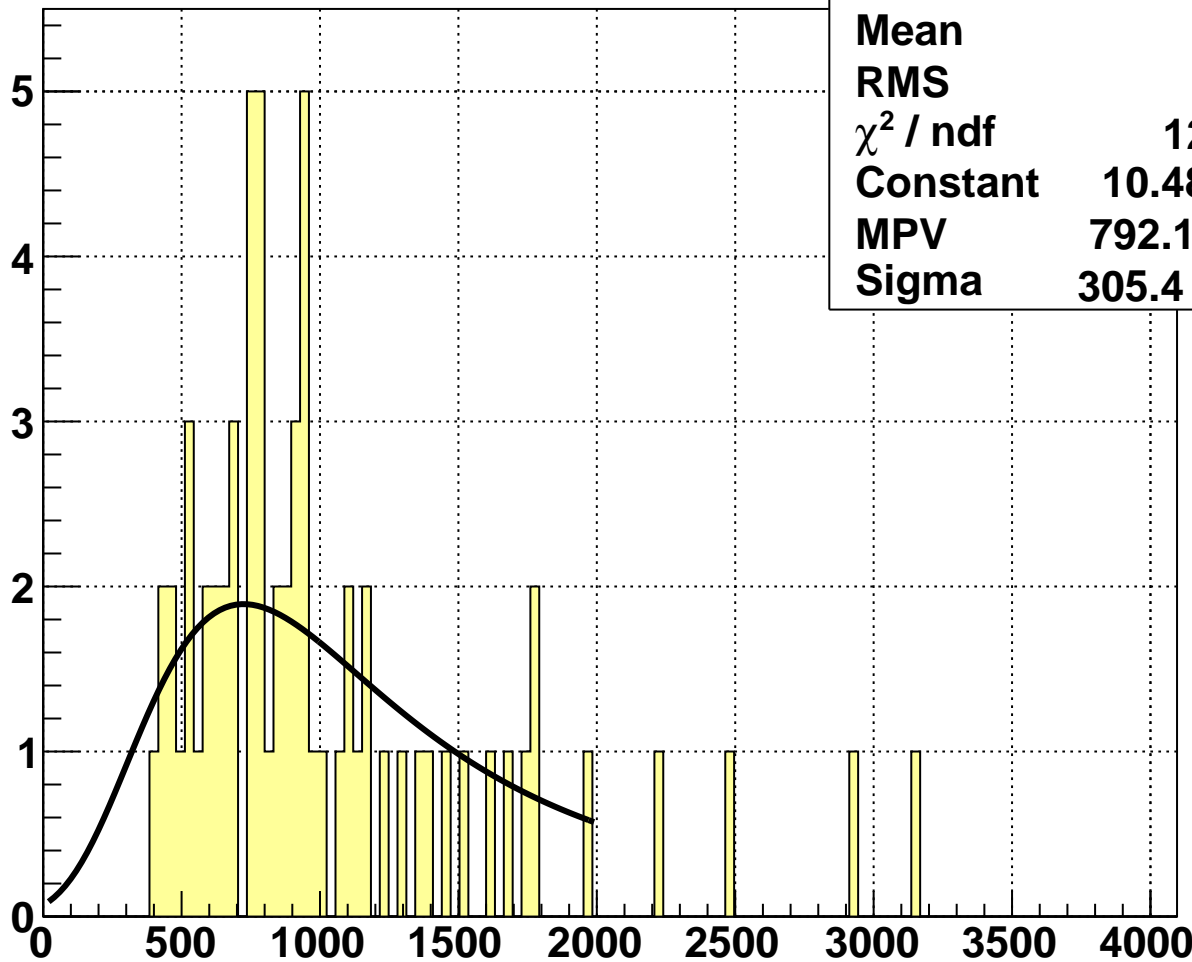


Entries	17
Mean	846.1
RMS	540.3
$\chi^2 / \text{ndf}$	3.159 / 8
Constant	$7.639 \pm 3.479$
MPV	$856.5 \pm 428.3$
Sigma	$363.7 \pm 505.9$

FST - MIP peak ZS, RDO4\_ARM0\_PORT1\_SEC1

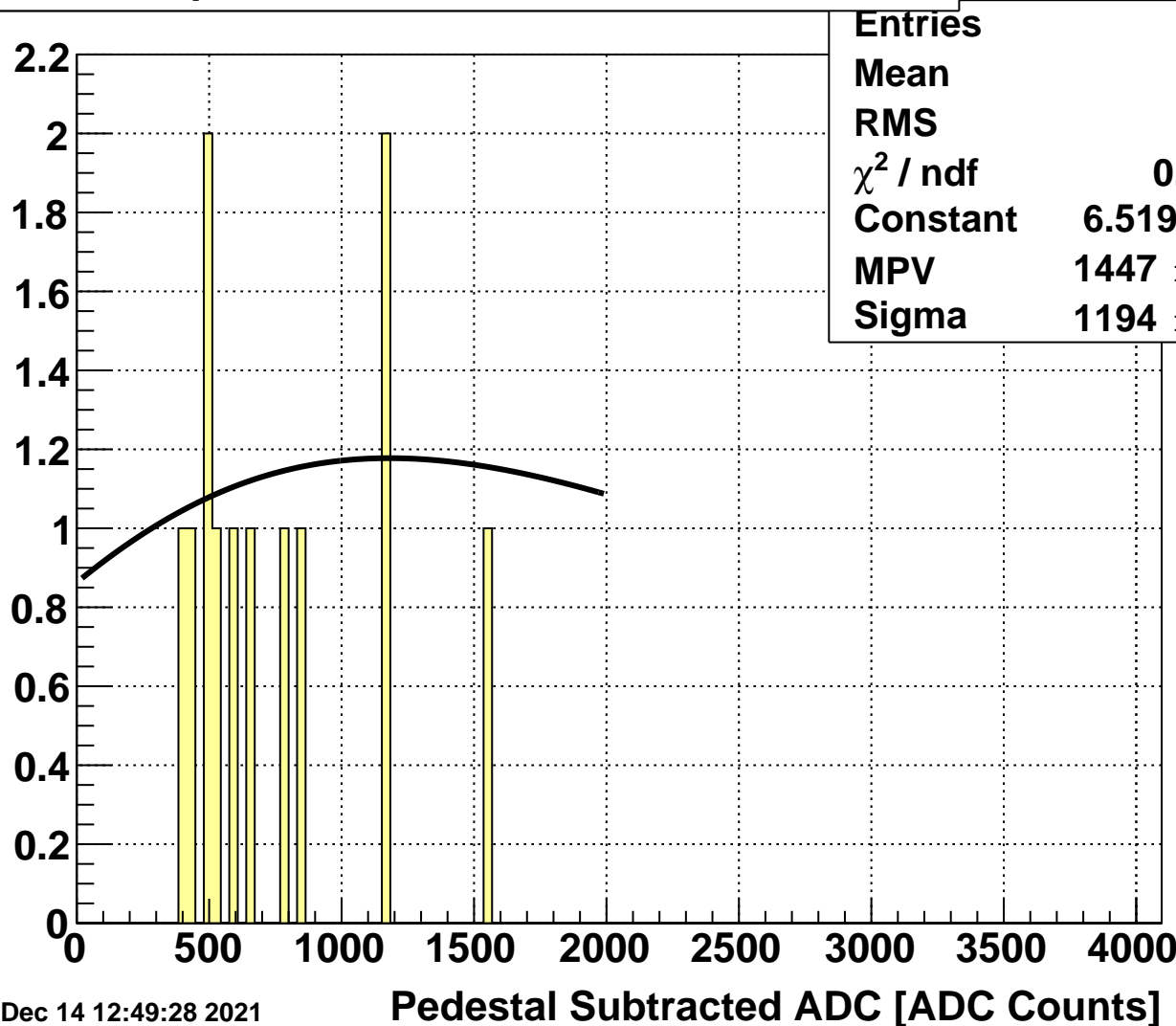
\_ZS\_Section\_39

Entries	66
Mean	1037
RMS	564.1
$\chi^2 / \text{ndf}$	12.67 / 31
Constant	$10.48 \pm 2.62$
MPV	$792.1 \pm 129.1$
Sigma	$305.4 \pm 176.3$



FST - MIP peak ZS, RDO4\_ARM1\_PORT0\_SEC0

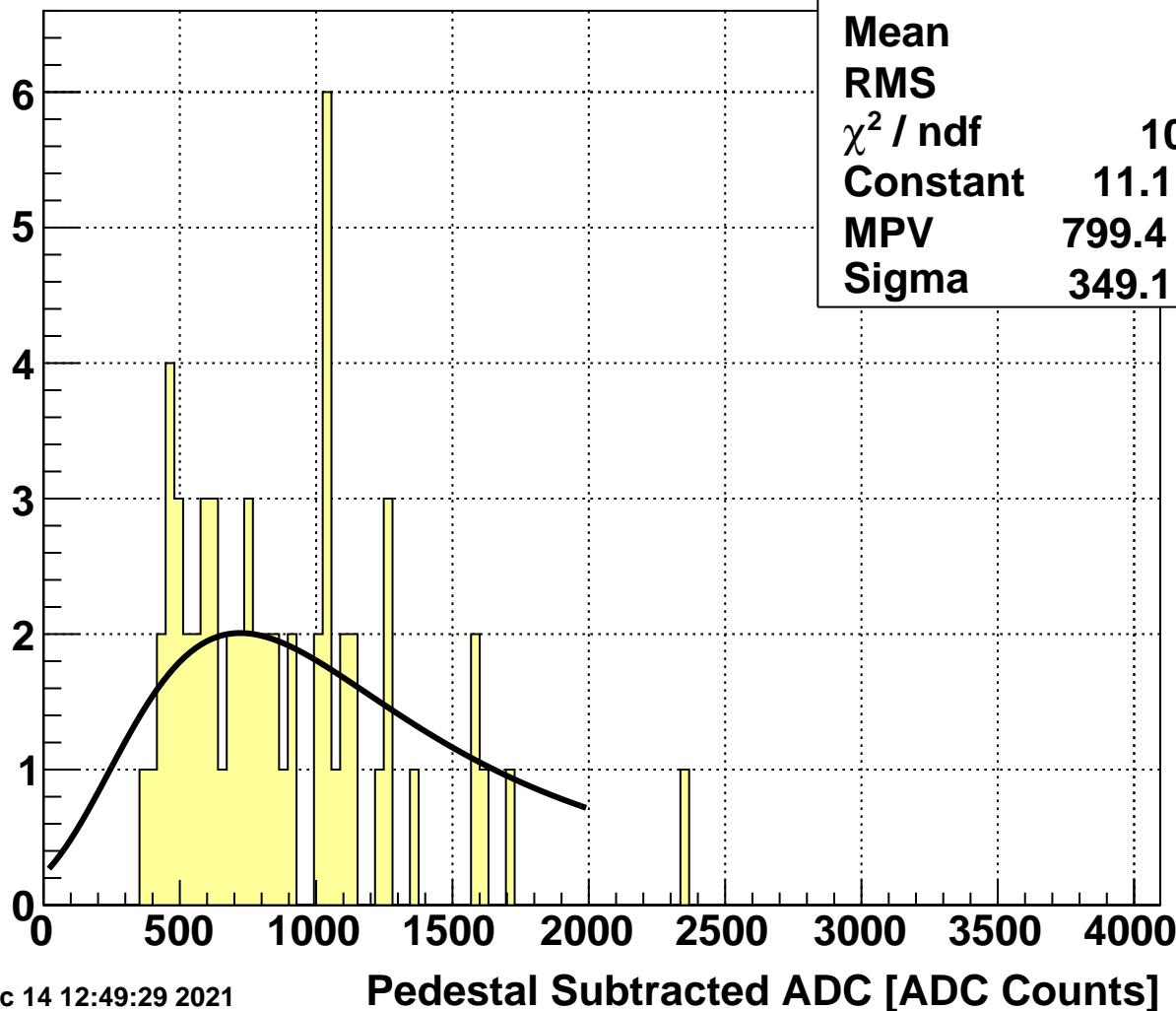
\_ZS\_Section\_40





**FST - MIP peak ZS, RDO4\_ARM1\_PORT0\_SEC1****\_ZS\_Section\_41**

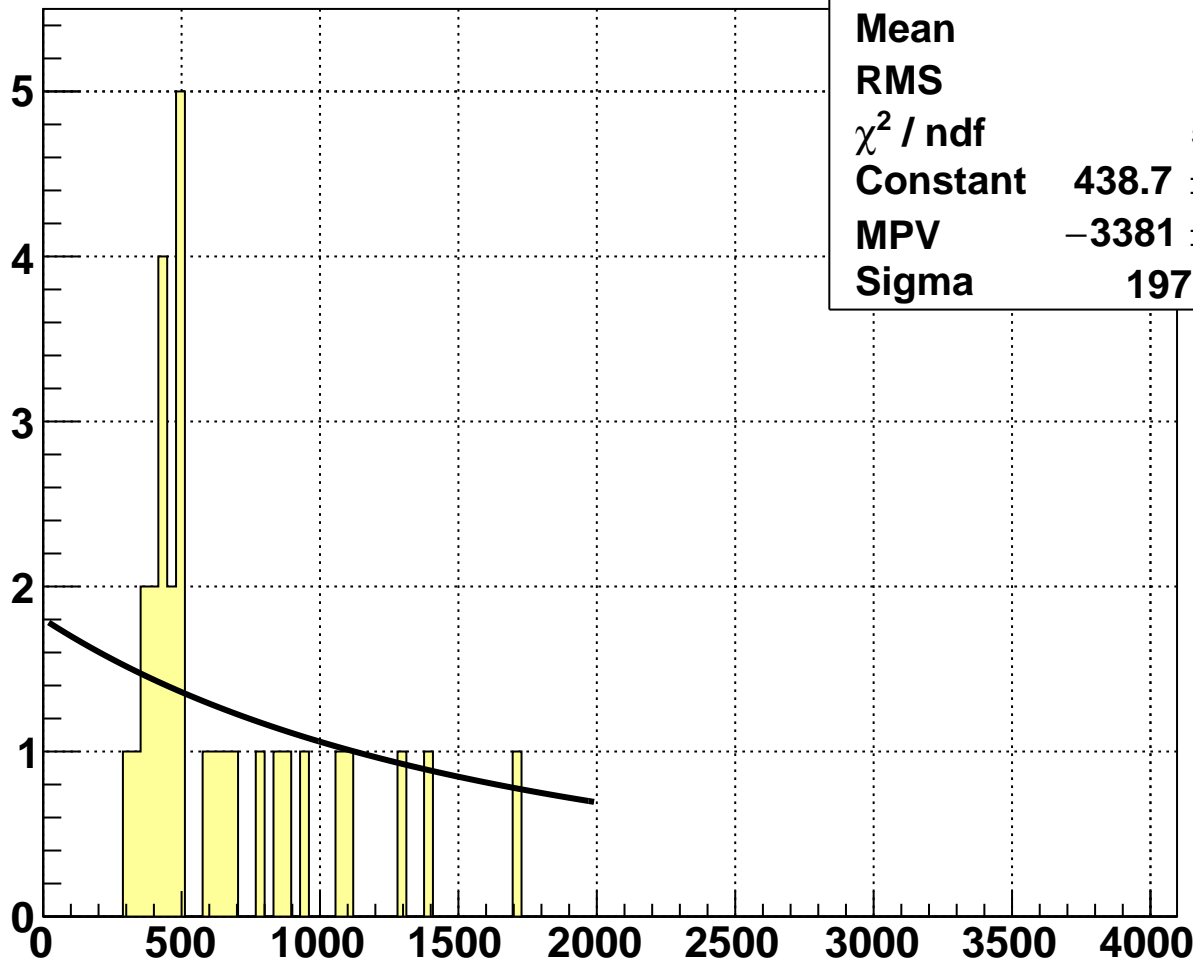
<b>Entries</b>	<b>61</b>
<b>Mean</b>	<b>872</b>
<b>RMS</b>	<b>382.4</b>
$\chi^2$ / ndf	<b>10.53 / 26</b>
<b>Constant</b>	<b><math>11.11 \pm 2.25</math></b>
<b>MPV</b>	<b><math>799.4 \pm 173.2</math></b>
<b>Sigma</b>	<b><math>349.1 \pm 198.7</math></b>



**FST - MIP peak ZS, RDO4\_ARM1\_PORT1\_SEC0**

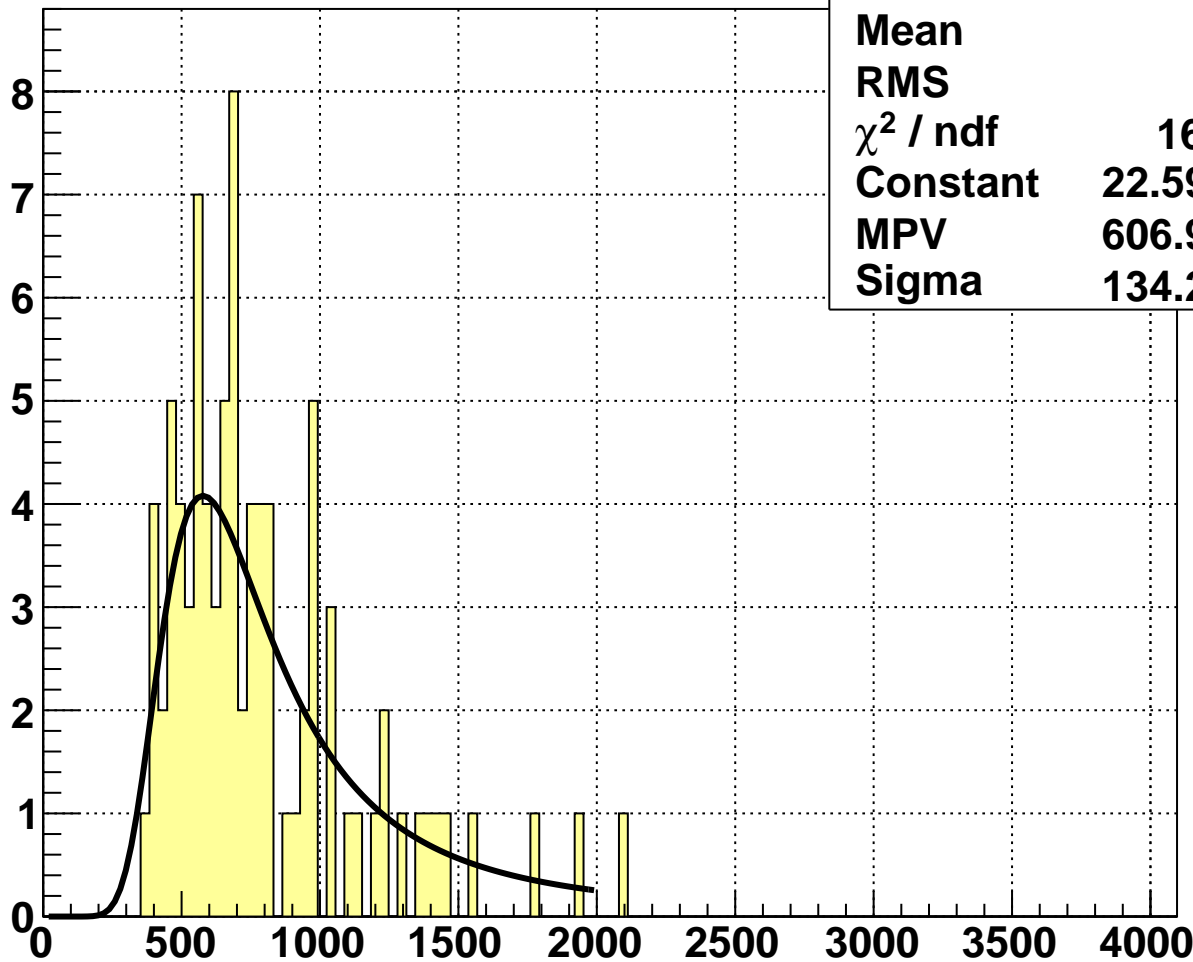
**\_ZS\_Second\_42**

<b>Entries</b>	<b>30</b>
<b>Mean</b>	<b>663.3</b>
<b>RMS</b>	<b>345.2</b>
<b><math>\chi^2</math> / ndf</b>	<b>5.74 / 17</b>
<b>Constant</b>	<b><math>438.7 \pm 2693.2</math></b>
<b>MPV</b>	<b><math>-3381 \pm 5421.0</math></b>
<b>Sigma</b>	<b><math>197 \pm 552.4</math></b>



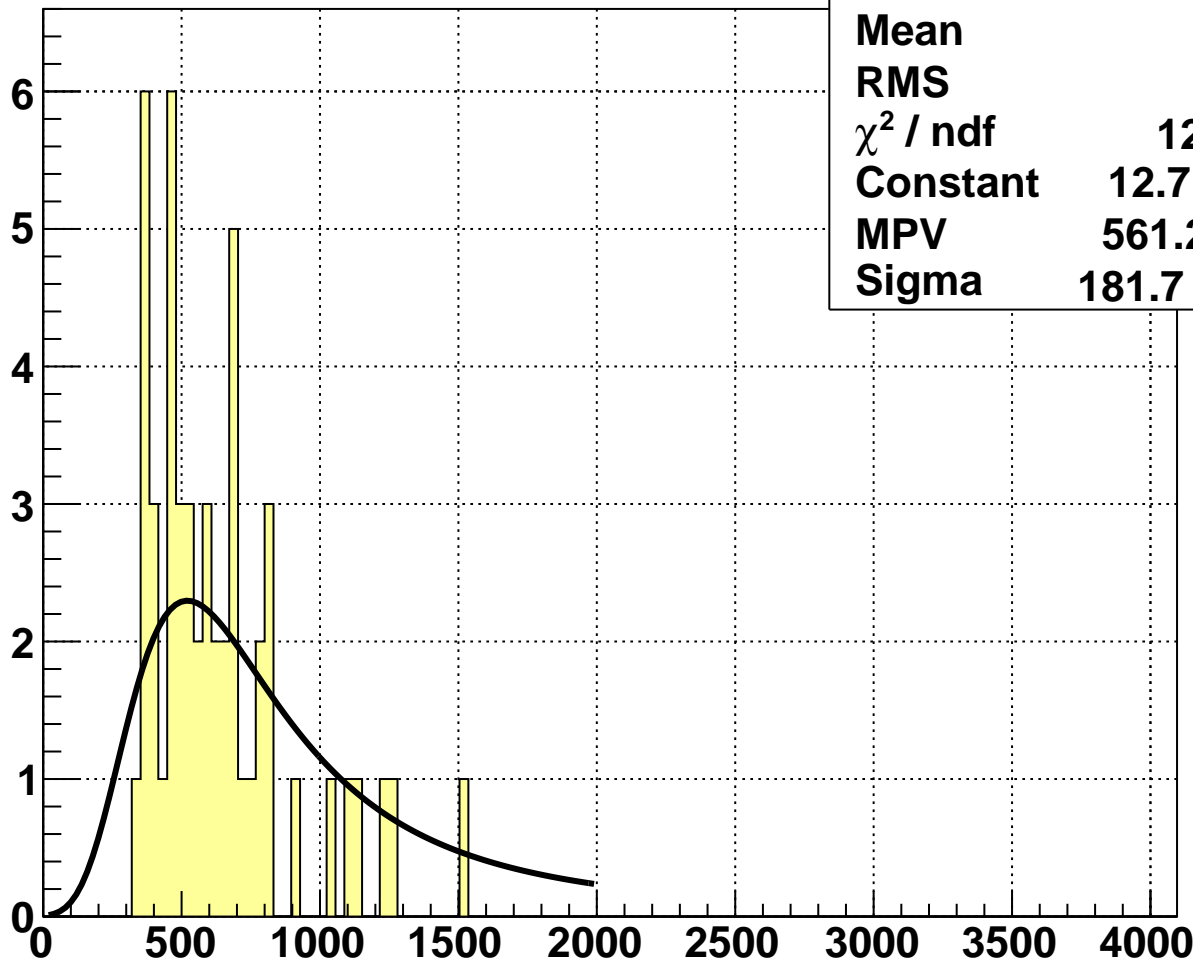
**FST - MIP peak ZS, RDO4\_ARM1\_PORT1\_SEC1****\_ZS\_Section\_43**

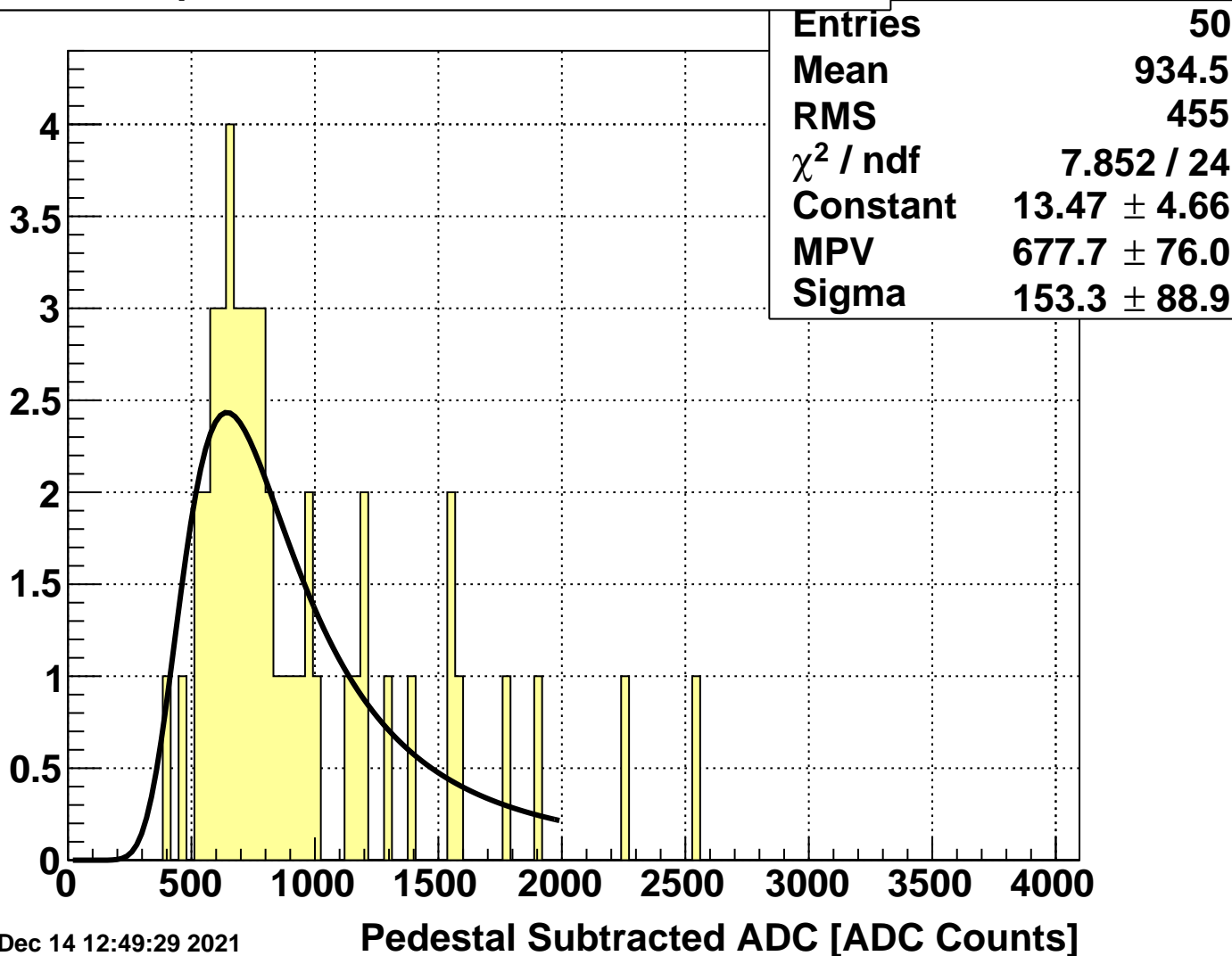
<b>Entries</b>	<b>86</b>
<b>Mean</b>	<b>795.2</b>
<b>RMS</b>	<b>349.1</b>
$\chi^2$ / ndf	<b>16.52 / 29</b>
<b>Constant</b>	<b>22.59 <math>\pm</math> 4.40</b>
<b>MPV</b>	<b>606.9 <math>\pm</math> 39.9</b>
<b>Sigma</b>	<b>134.2 <math>\pm</math> 32.5</b>



**FST - MIP peak ZS, RDO4\_ARM2\_PORT0\_SEC0****\_ZS\_Section\_44**

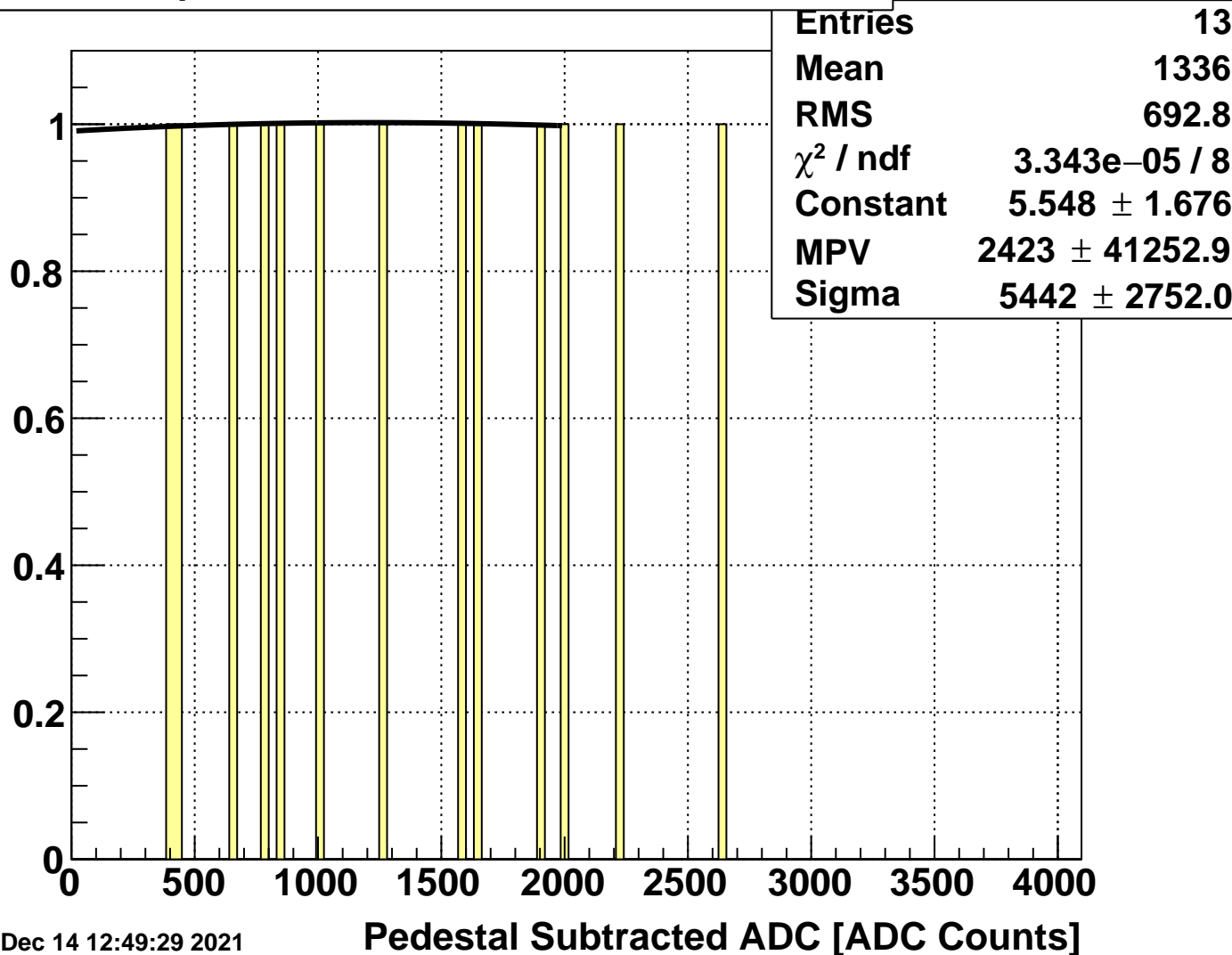
<b>Entries</b>	<b>51</b>
<b>Mean</b>	<b>638.6</b>
<b>RMS</b>	<b>258.9</b>
$\chi^2 / \text{ndf}$	<b>12.43 / 20</b>
<b>Constant</b>	<b><math>12.71 \pm 3.32</math></b>
<b>MPV</b>	<b><math>561.2 \pm 87.3</math></b>
<b>Sigma</b>	<b><math>181.7 \pm 101.6</math></b>



**FST - MIP peak ZS, RDO4\_ARM2\_PORT0\_SEC1****\_ZS\_Section\_45**

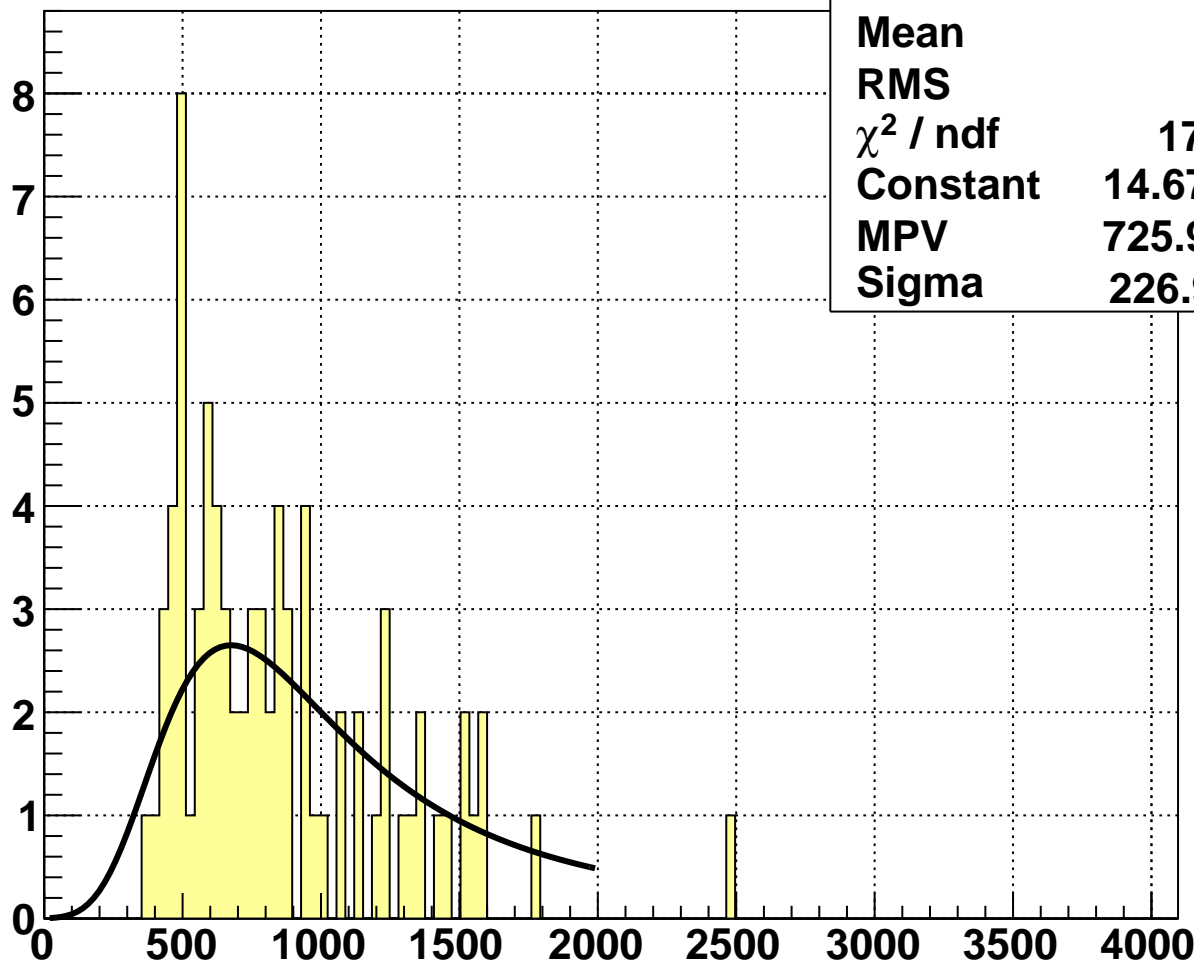
**FST - MIP peak ZS, RDO4\_ARM2\_PORT1\_SEC0**

**\_ZS\_Section\_46**



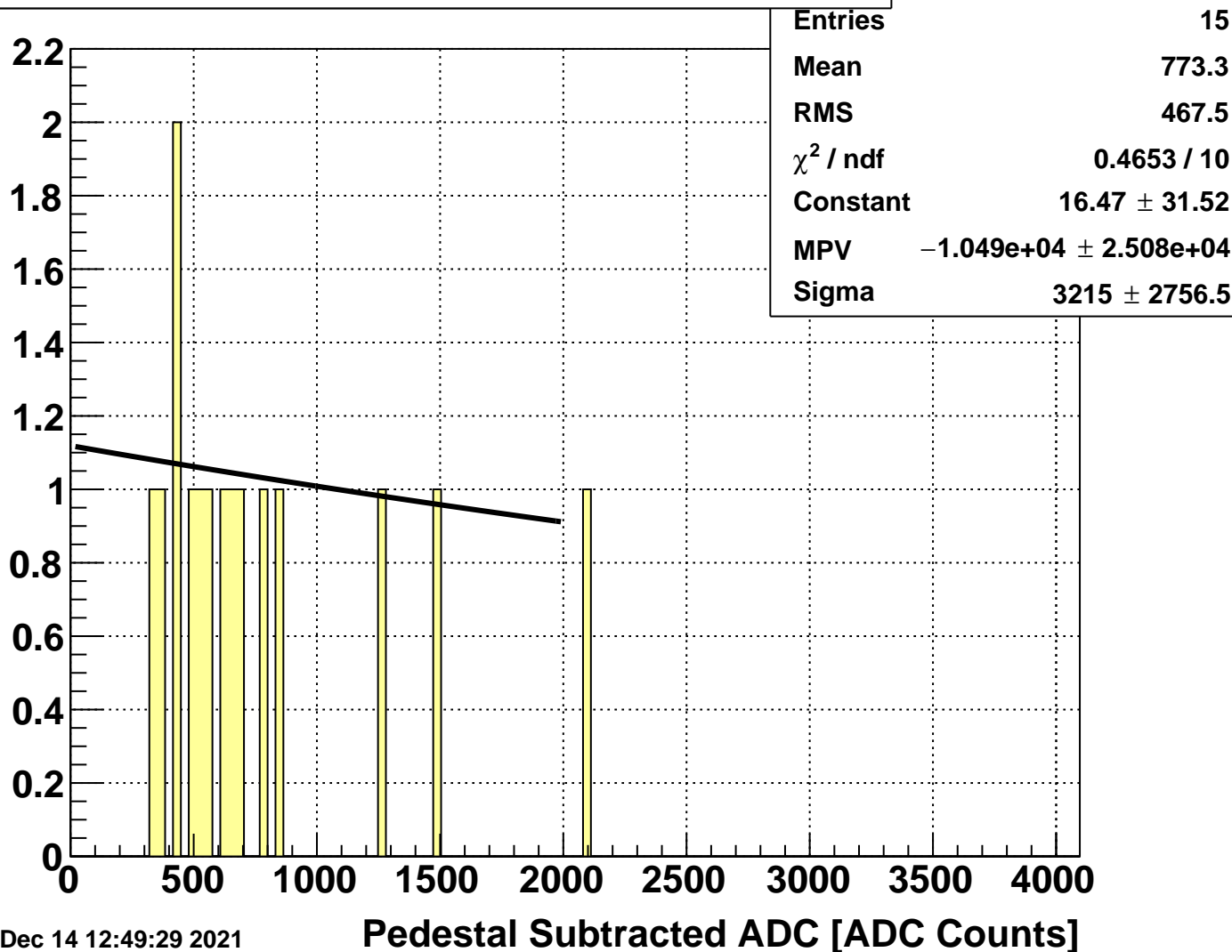
**FST - MIP peak ZS, RDO4\_ARM2\_PORT1\_SEC1****\_ZS\_Section\_47**

<b>Entries</b>	<b>79</b>
<b>Mean</b>	<b>858.5</b>
<b>RMS</b>	<b>393.3</b>
$\chi^2$ / ndf	<b>17.17 / 30</b>
<b>Constant</b>	<b>14.67 <math>\pm</math> 2.94</b>
<b>MPV</b>	<b>725.9 <math>\pm</math> 79.6</b>
<b>Sigma</b>	<b>226.9 <math>\pm</math> 75.1</b>



**FST - MIP peak ZS, RDO5\_ARM0\_PORT0\_SEC0**

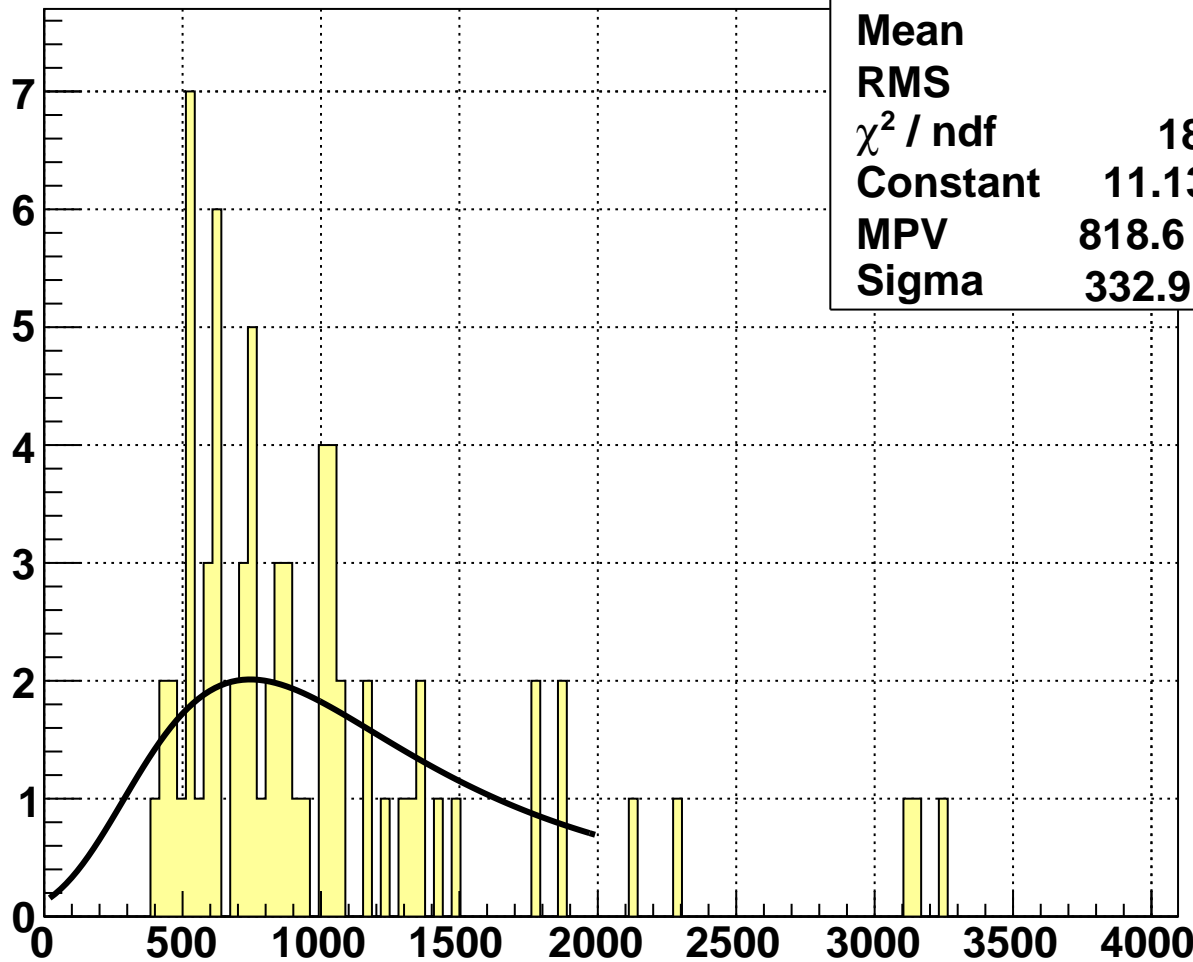
**\_ZS\_Section\_48**





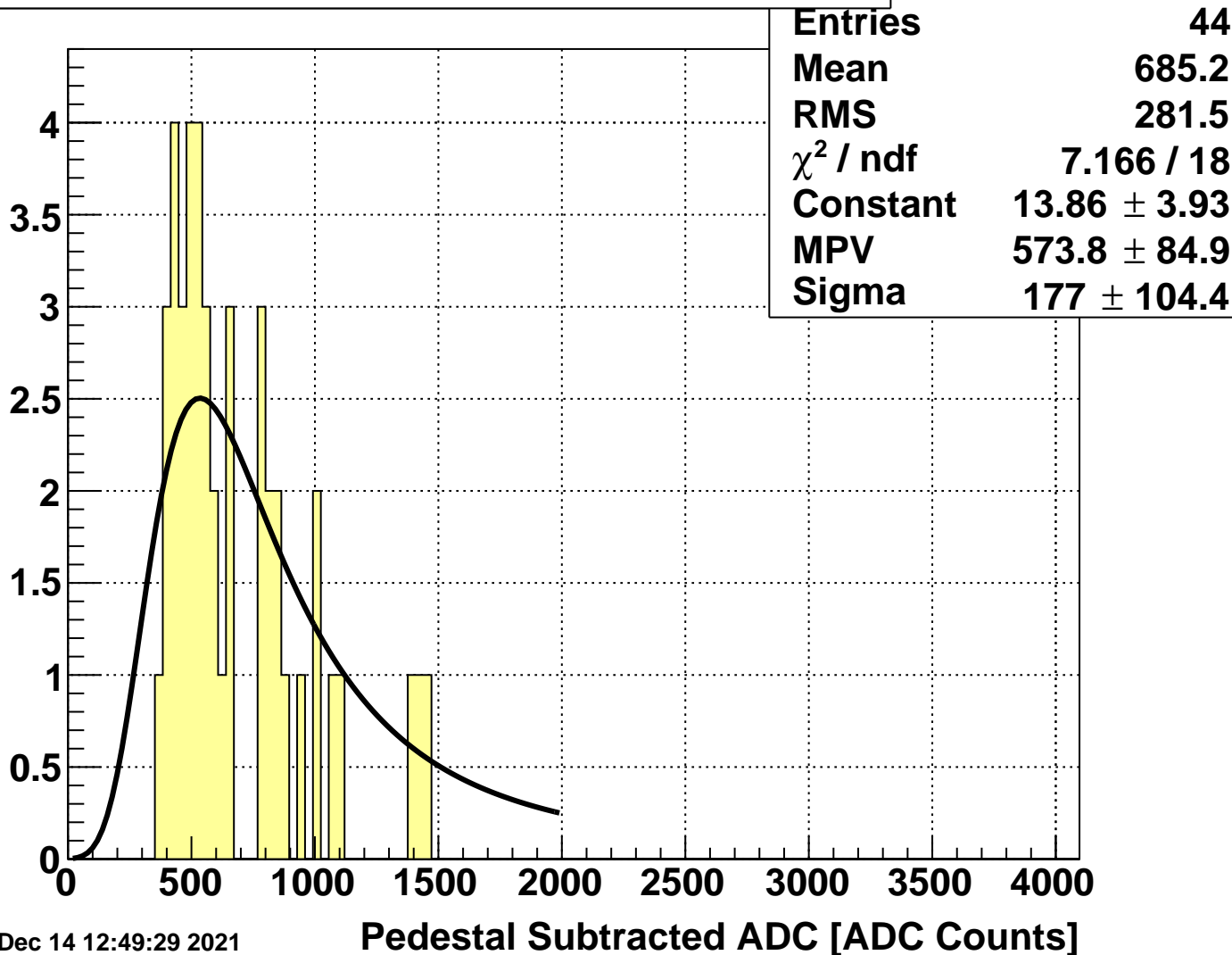
**FST - MIP peak ZS, RDO5\_ARM0\_PORT0\_SEC1****\_ZS\_Section\_49**

<b>Entries</b>	<b>72</b>
<b>Mean</b>	<b>1008</b>
<b>RMS</b>	<b>611.7</b>
$\chi^2 / \text{ndf}$	<b>18.91 / 26</b>
<b>Constant</b>	<b><math>11.13 \pm 2.67</math></b>
<b>MPV</b>	<b><math>818.6 \pm 160.4</math></b>
<b>Sigma</b>	<b><math>332.9 \pm 219.1</math></b>



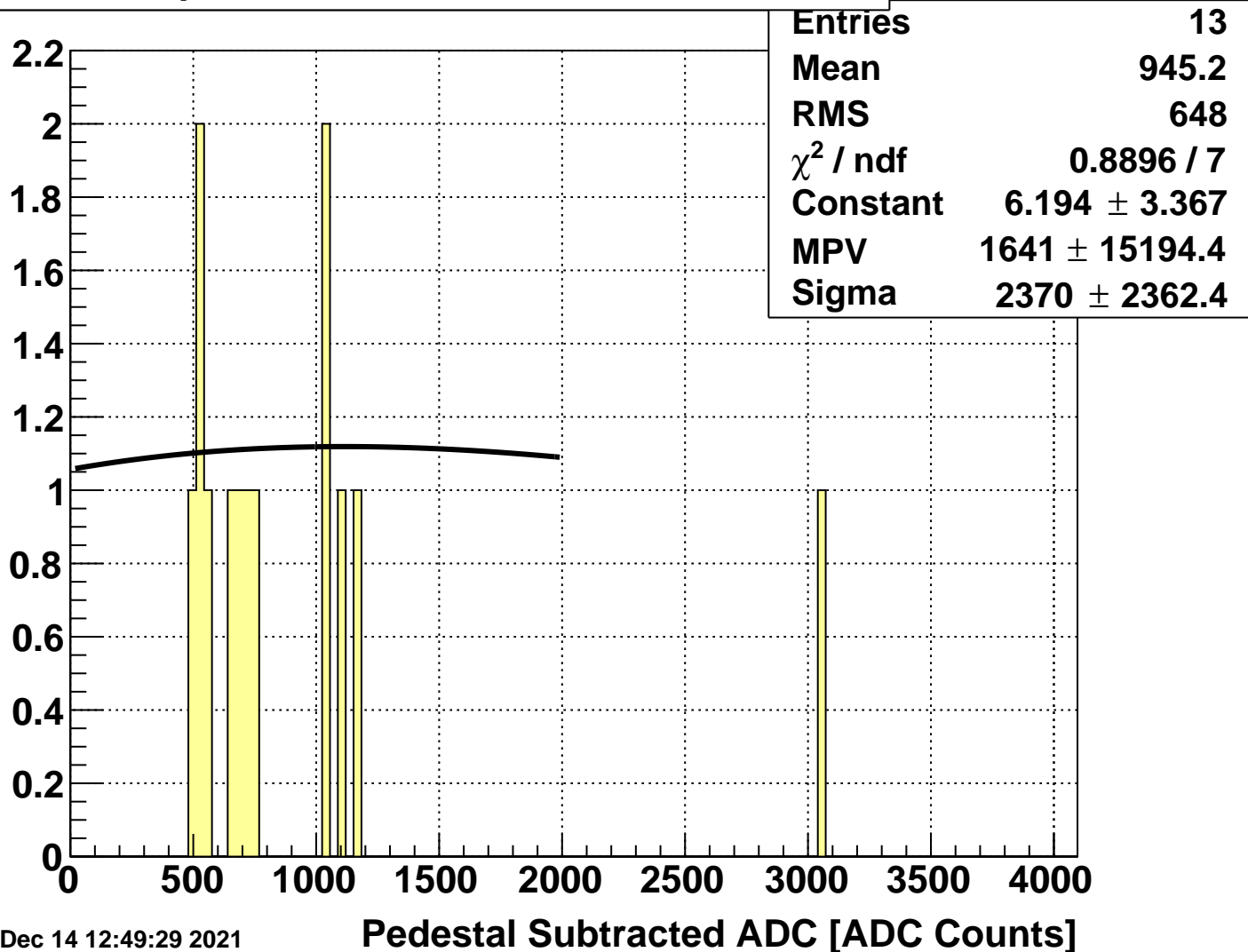
FST - MIP peak ZS, RDO5\_ARM0\_PORT1\_SEC0

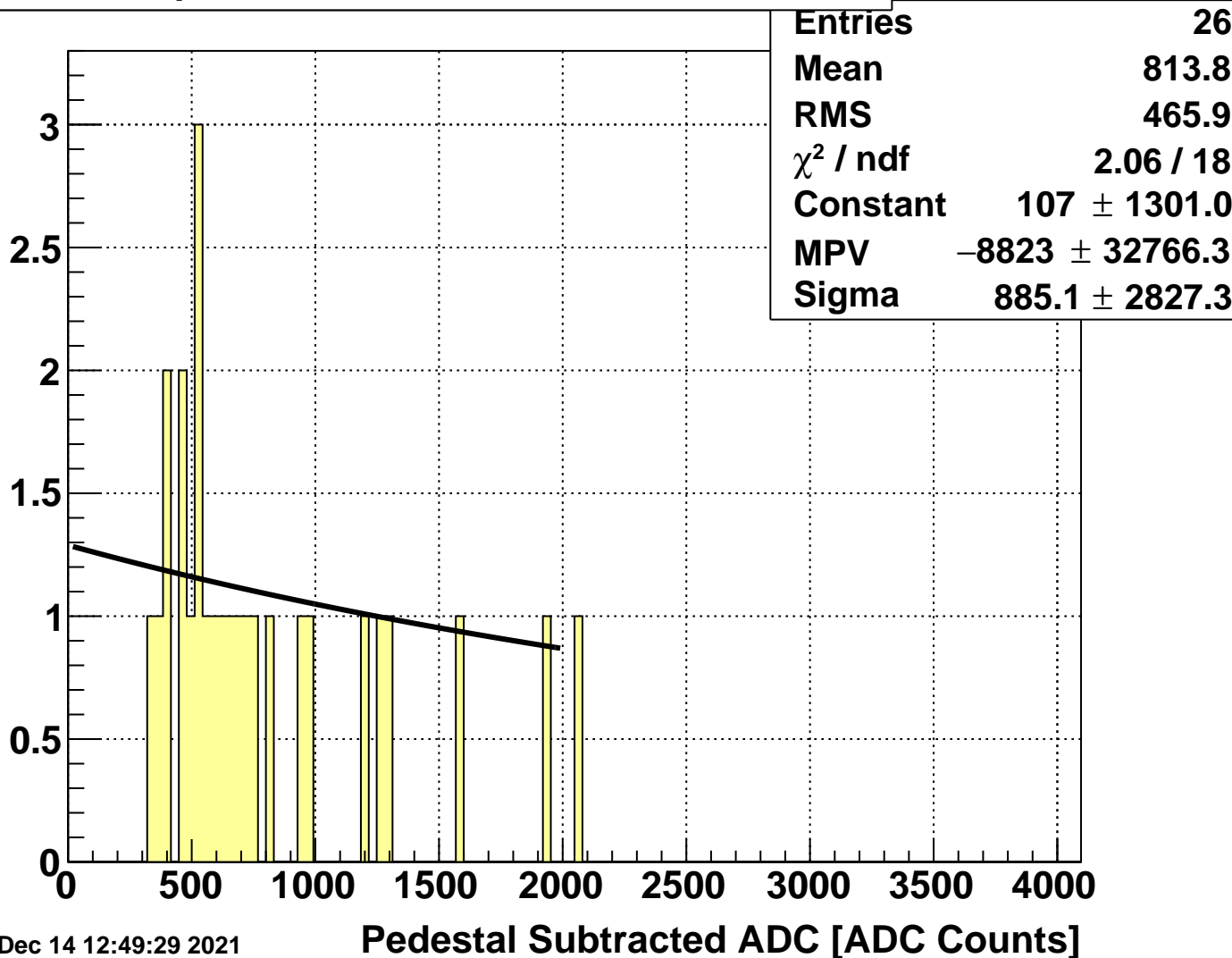
\_ZS\_Section\_50



FST - MIP peak ZS, RDO5\_ARM0\_PORT1\_SEC1

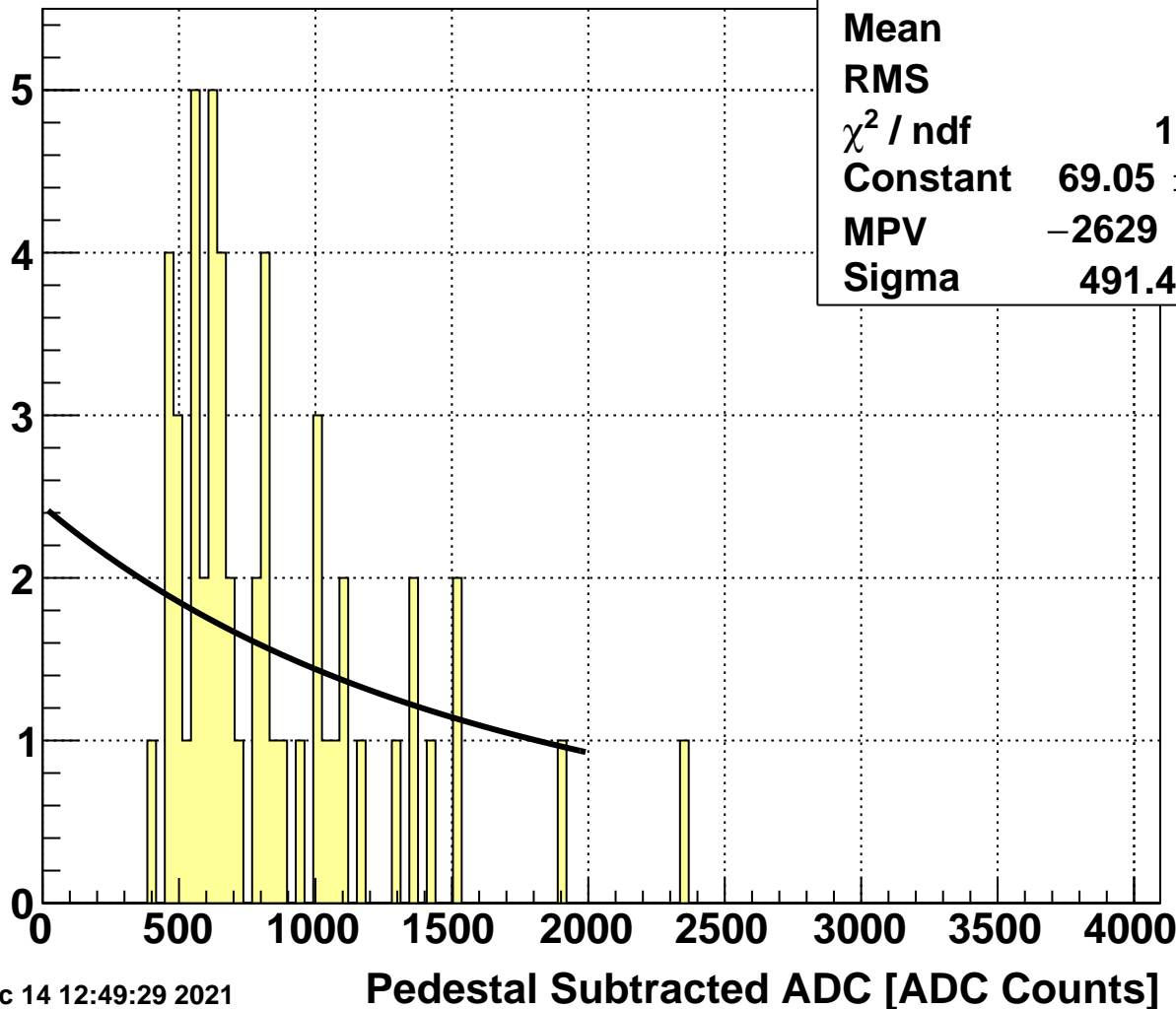
\_ZS\_Section\_51



**FST - MIP peak ZS, RDO5\_ARM1\_PORT0\_SEC0****\_ZS\_Section\_52**

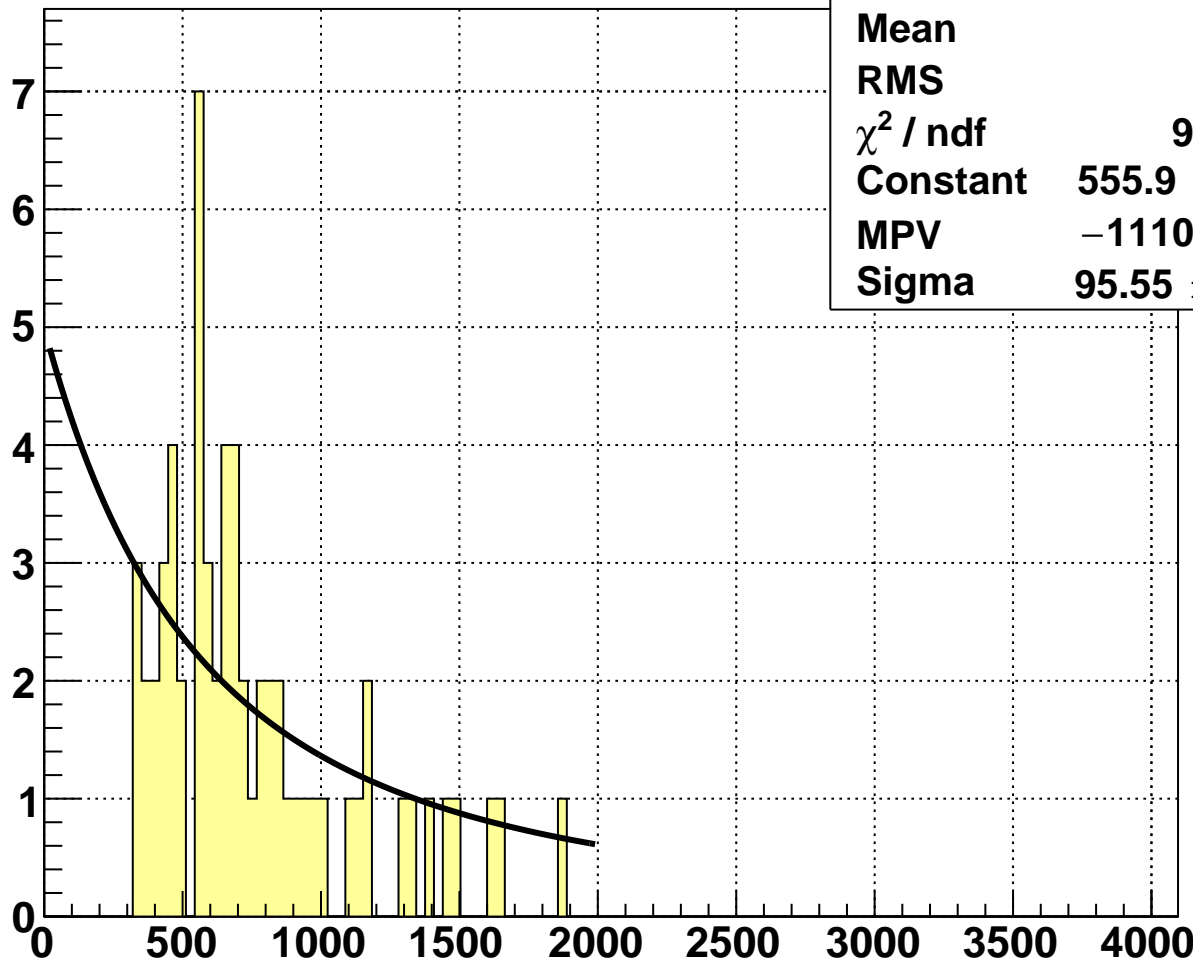
**FST - MIP peak ZS, RDO5\_ARM1\_PORT0\_SEC1****\_ZS\_Section\_53**

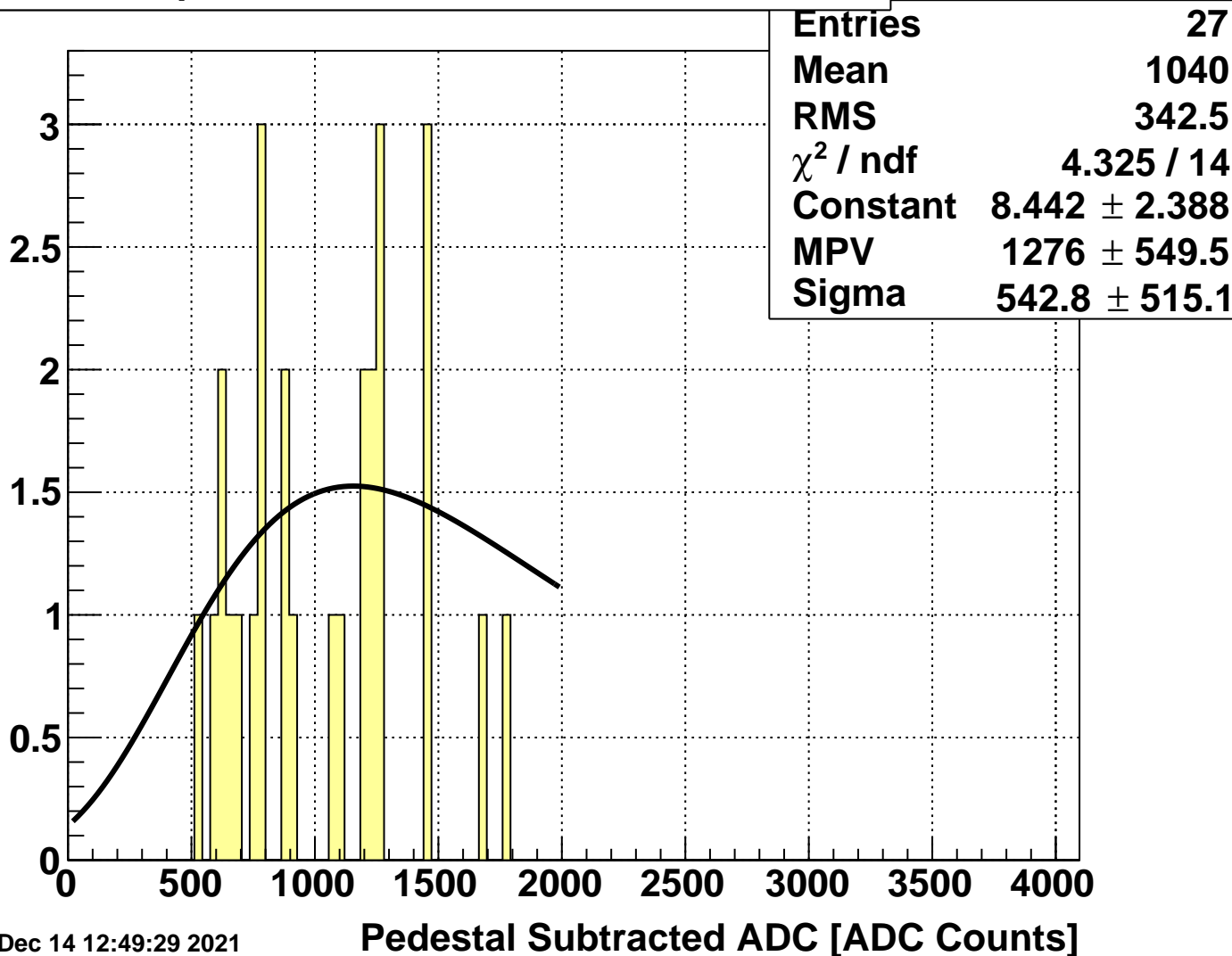
<b>Entries</b>	<b>53</b>
<b>Mean</b>	<b>845.3</b>
<b>RMS</b>	<b>388.7</b>
<b><math>\chi^2</math> / ndf</b>	<b>13.73 / 22</b>
<b>Constant</b>	<b><math>69.05 \pm 165.32</math></b>
<b>MPV</b>	<b><math>-2629 \pm 3378.1</math></b>
<b>Sigma</b>	<b><math>491.4 \pm 532.3</math></b>



**FST - MIP peak ZS, RDO5\_ARM1\_PORT1\_SEC0****\_ZS\_Section\_54**

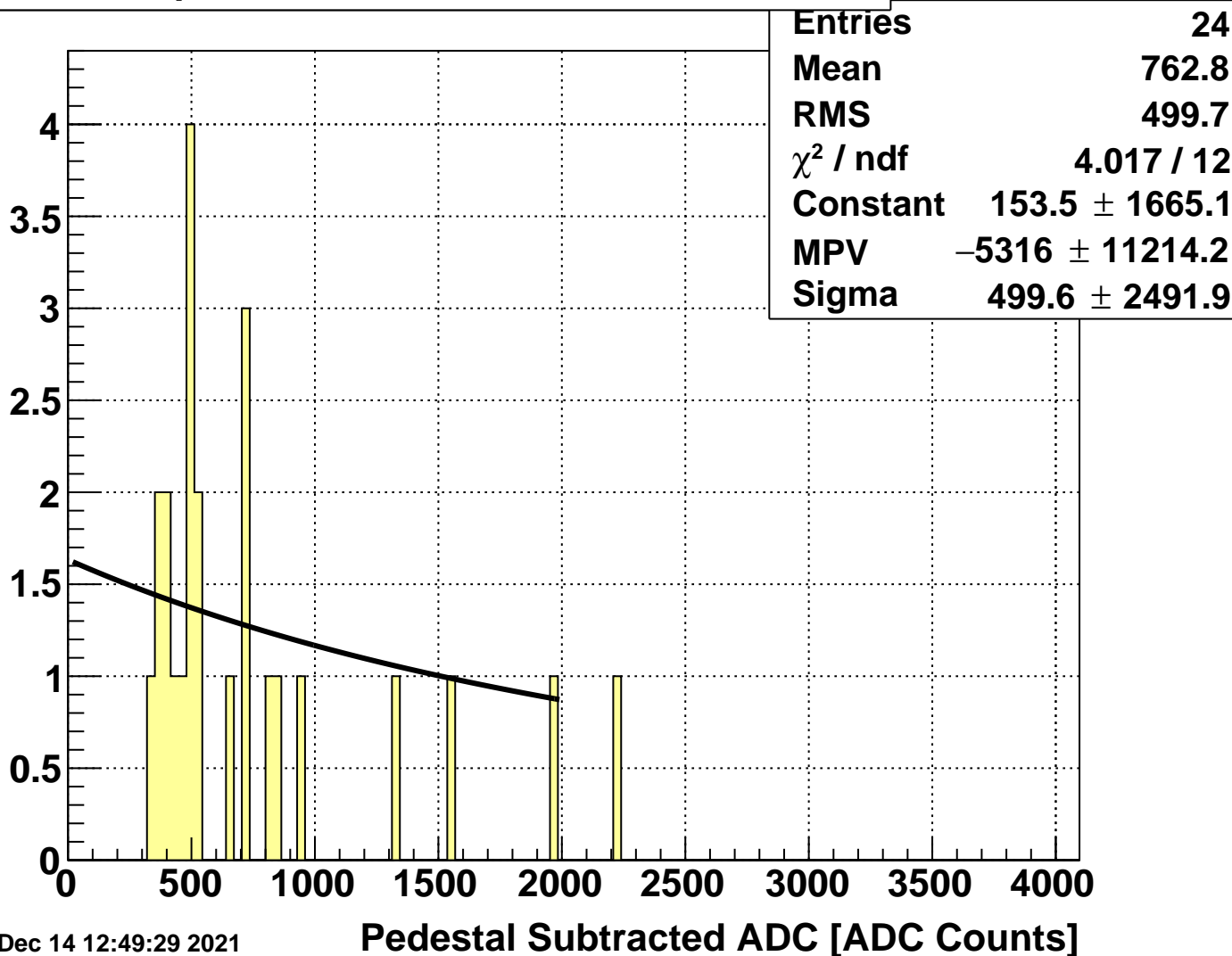
<b>Entries</b>	<b>62</b>
<b>Mean</b>	<b>768</b>
<b>RMS</b>	<b>357.4</b>
<b><math>\chi^2</math> / ndf</b>	<b>9.439 / 29</b>
<b>Constant</b>	<b><math>555.9 \pm 4682.1</math></b>
<b>MPV</b>	<b><math>-1110 \pm 819.4</math></b>
<b>Sigma</b>	<b><math>95.55 \pm 357.00</math></b>



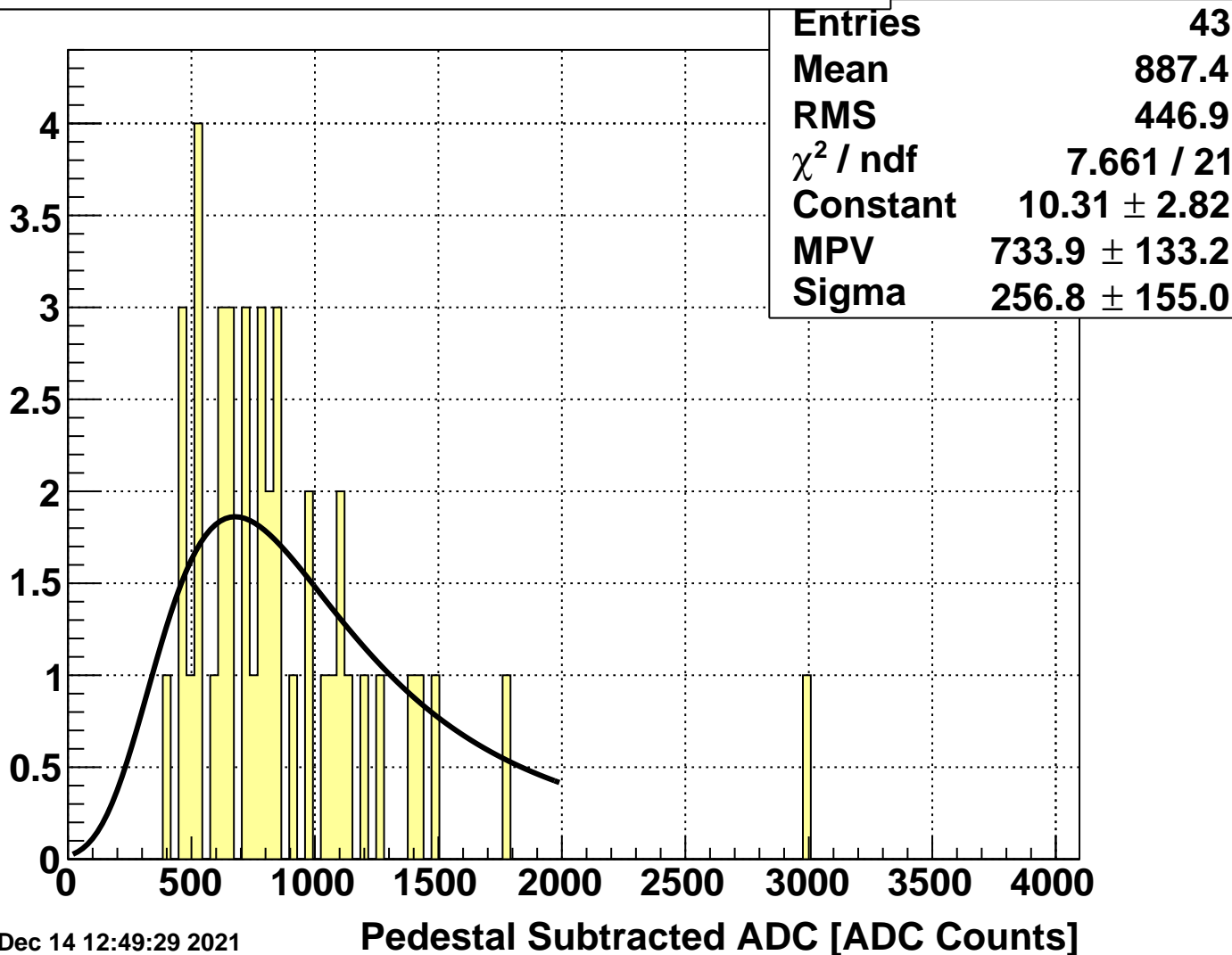
**FST - MIP peak ZS, RDO5\_ARM1\_PORT1\_SEC1****\_ZS\_Section\_55**

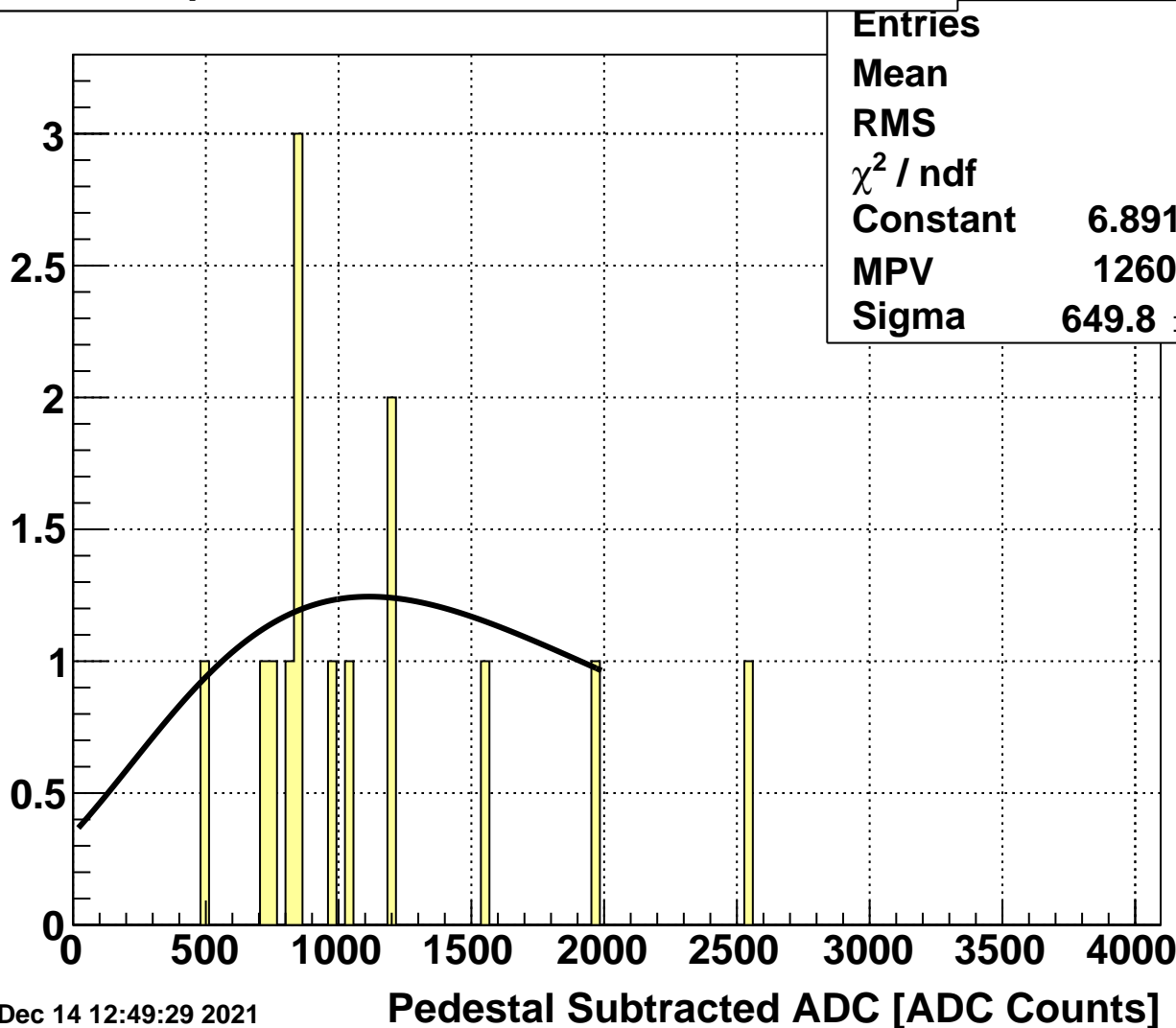
FST - MIP peak ZS, RDO5\_ARM2\_PORT0\_SEC0

\_ZS\_Section\_56

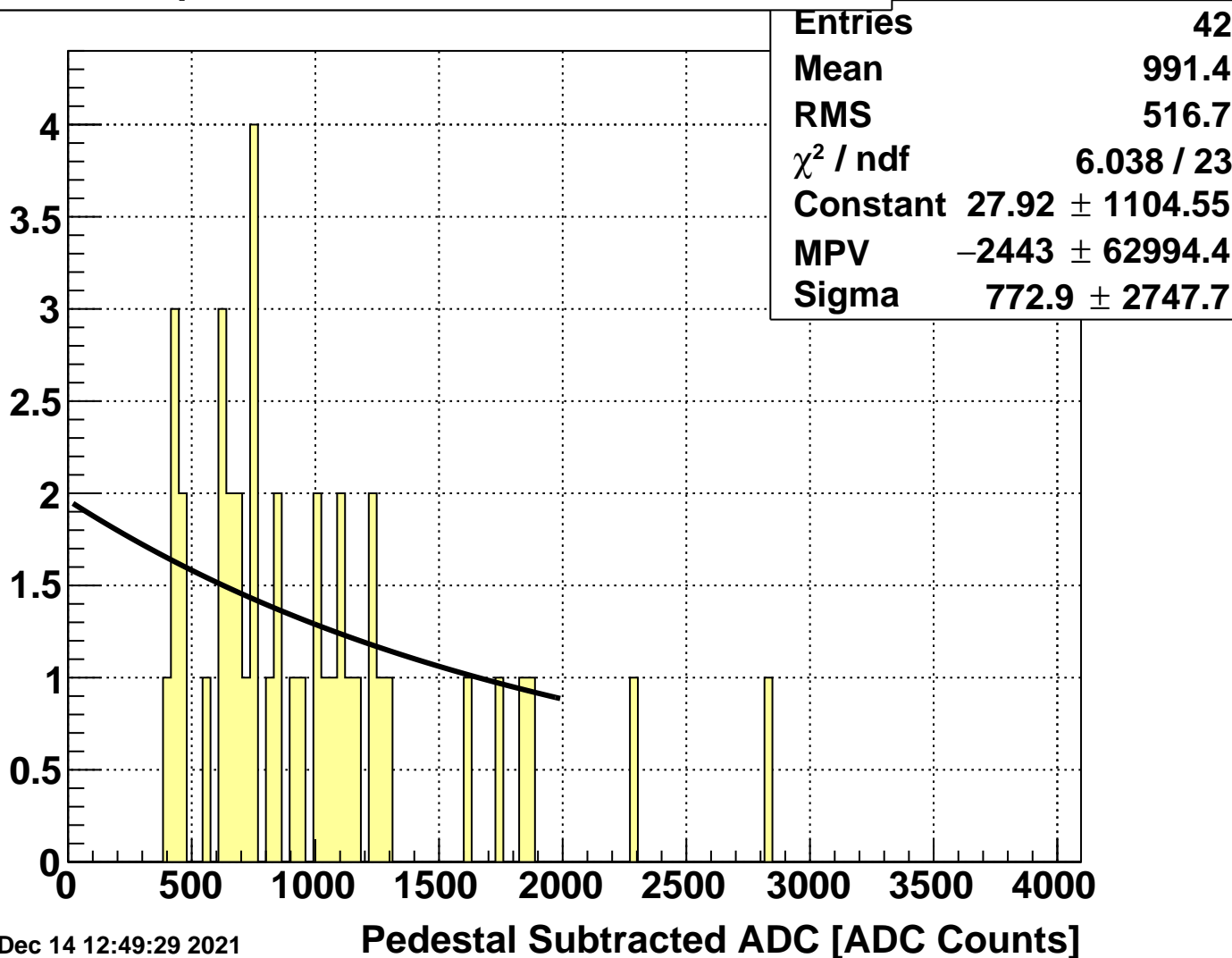




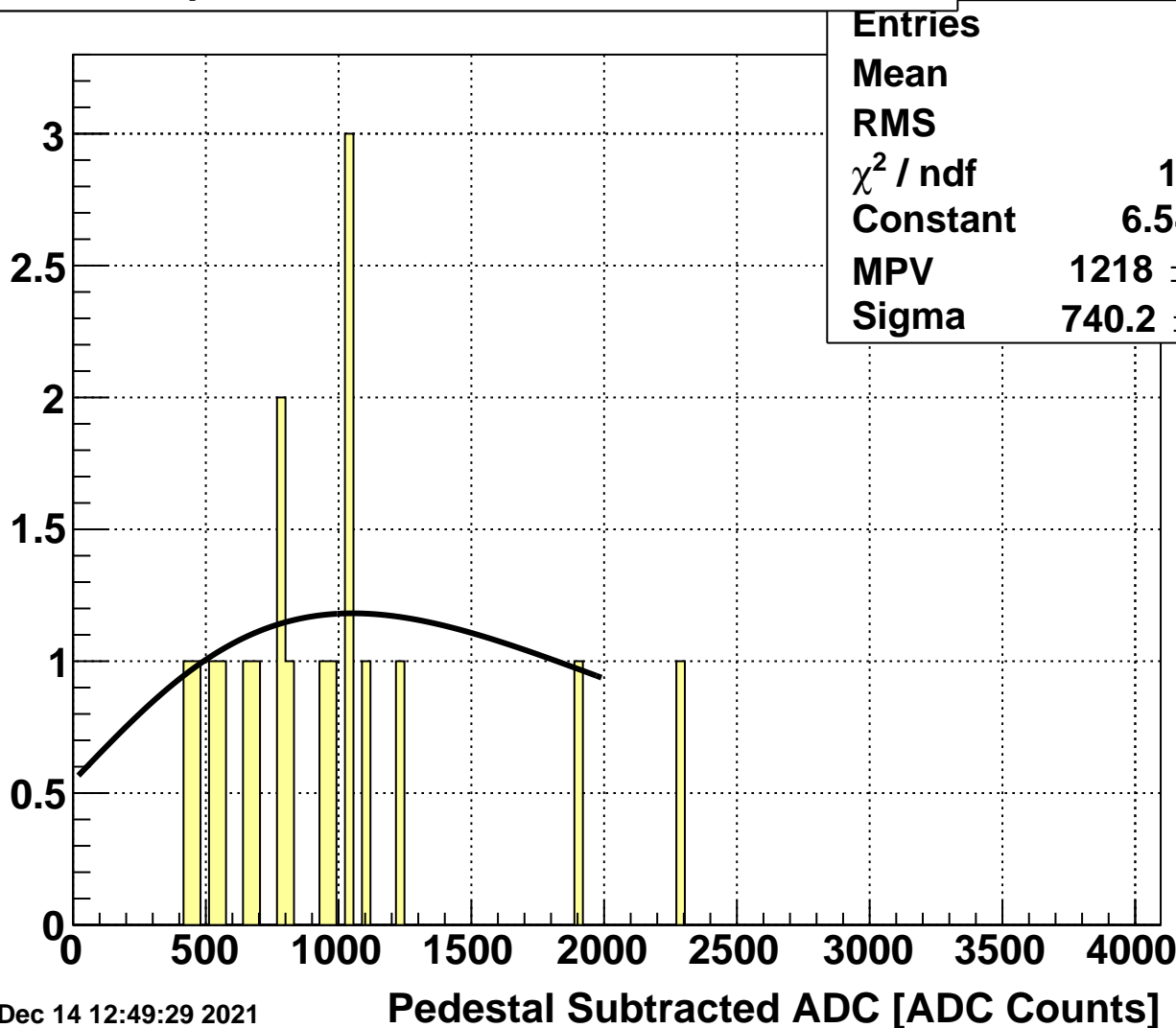
**FST - MIP peak ZS, RDO5\_ARM2\_PORT0\_SEC1****\_ZS\_Section\_57**

**FST - MIP peak ZS, RDO5\_ARM2\_PORT1\_SEC0****\_ZS\_Section\_58**

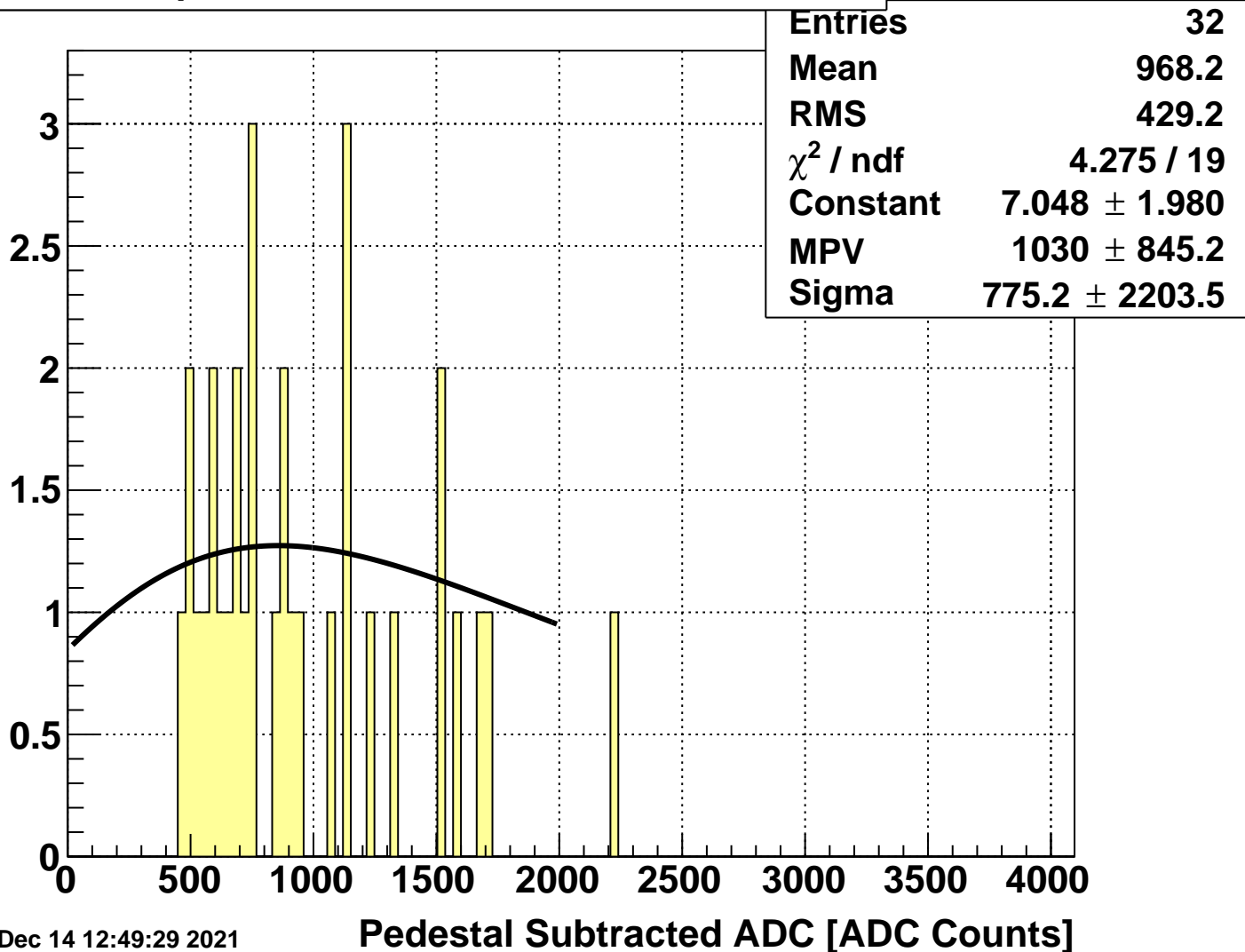
Entries	14
Mean	1126
RMS	529.6
$\chi^2 / \text{ndf}$	1.585 / 7
Constant	$6.891 \pm 2.816$
MPV	$1260 \pm 927.2$
Sigma	$649.8 \pm 1033.5$

**FST - MIP peak ZS, RDO5\_ARM2\_PORT1\_SEC1****\_ZS\_Section\_59**

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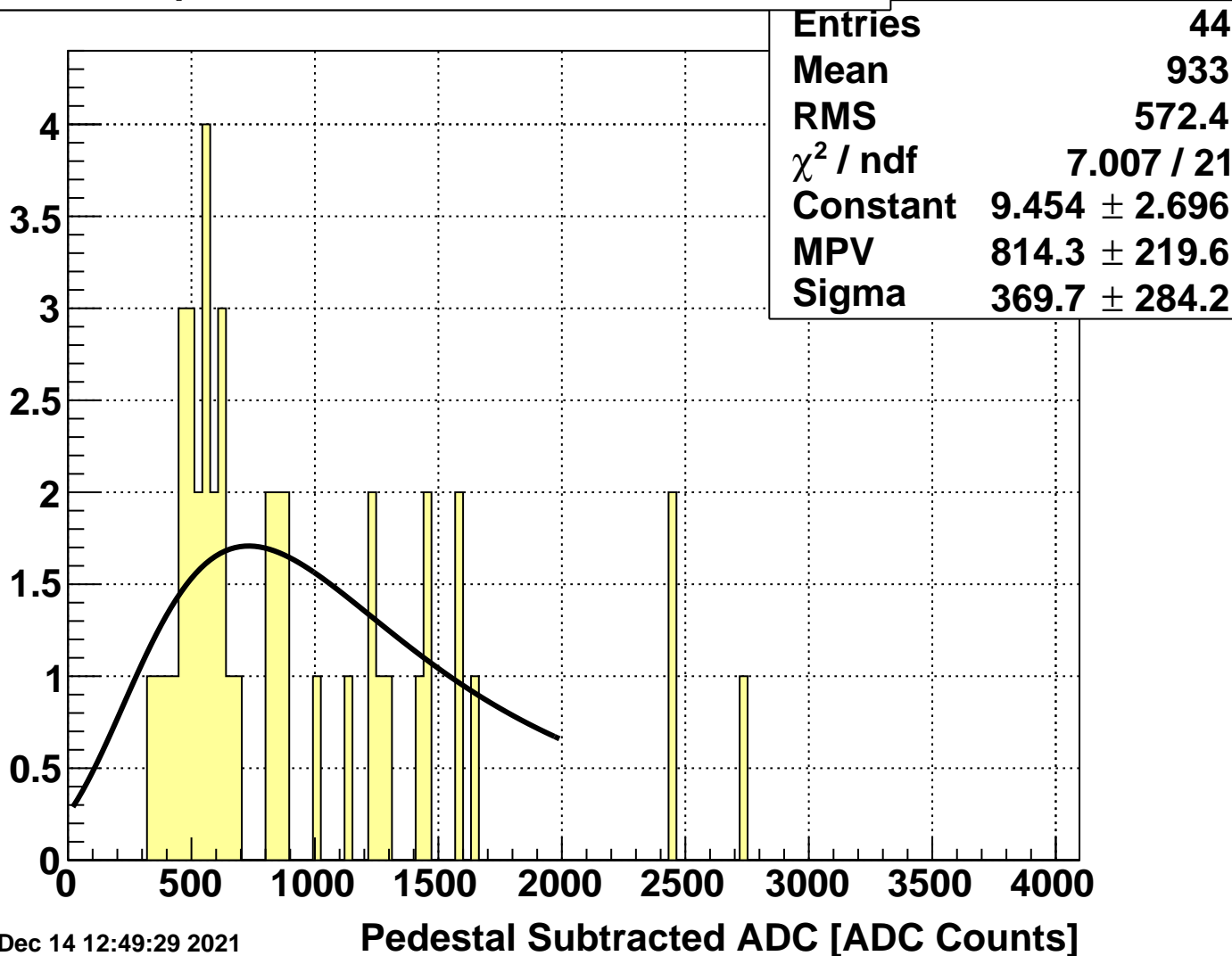
**FST - MIP peak ZS, RDO6\_ARM0\_PORT0\_SEC0****\_ZS\_Second\_60**

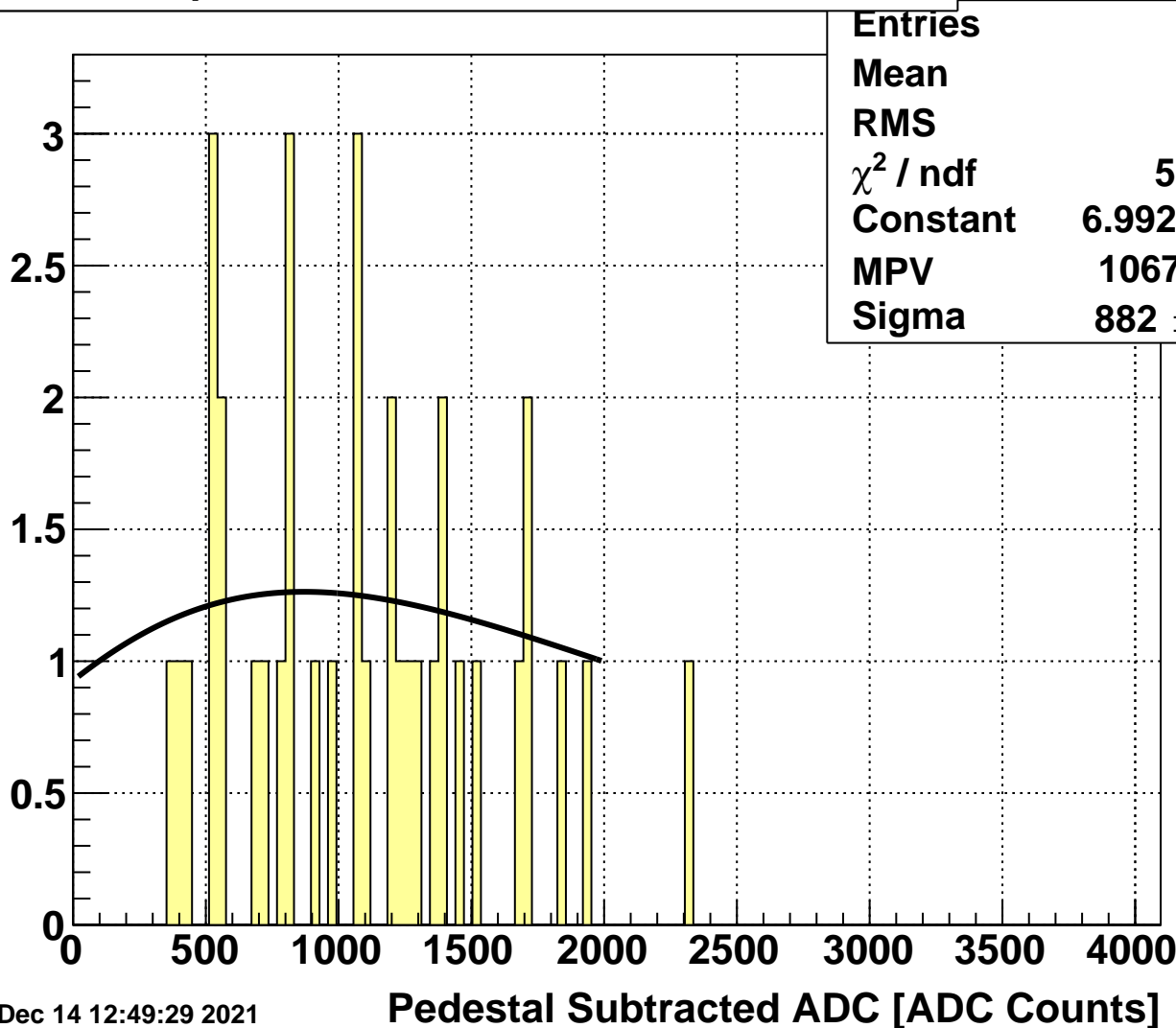
Entries	18
Mean	959.4
RMS	463.6
$\chi^2 / \text{ndf}$	1.642 / 11
Constant	$6.54 \pm 2.33$
MPV	$1218 \pm 1314.7$
Sigma	$740.2 \pm 2084.5$

**FST - MIP peak ZS, RDO6\_ARM0\_PORT0\_SEC1****\_ZS\_Section\_61**

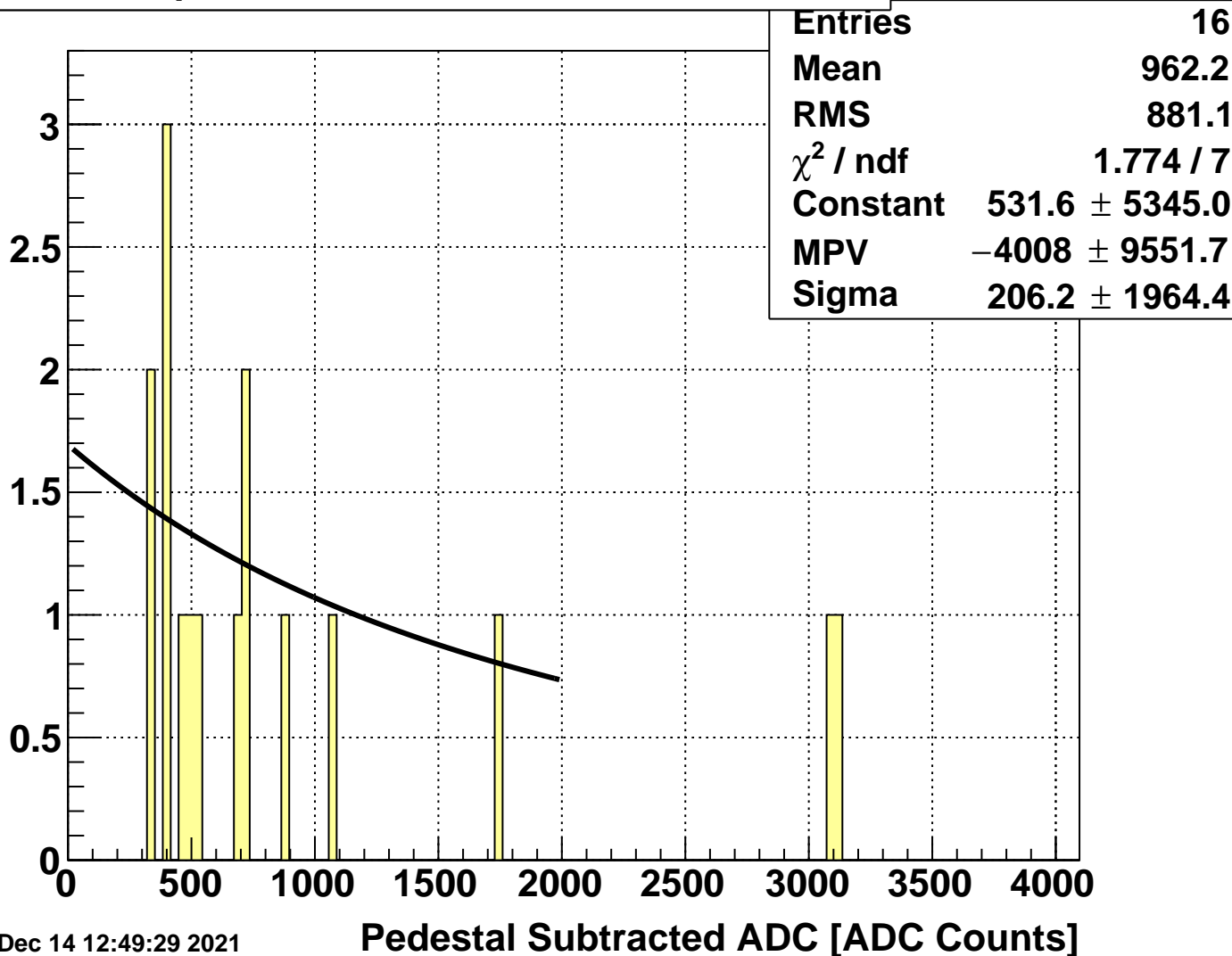
FST - MIP peak ZS, RDO6\_ARM0\_PORT1\_SEC0

\_ZS\_Section\_62



**FST - MIP peak ZS, RDO6\_ARM0\_PORT1\_SEC1****\_ZS\_Second\_63**

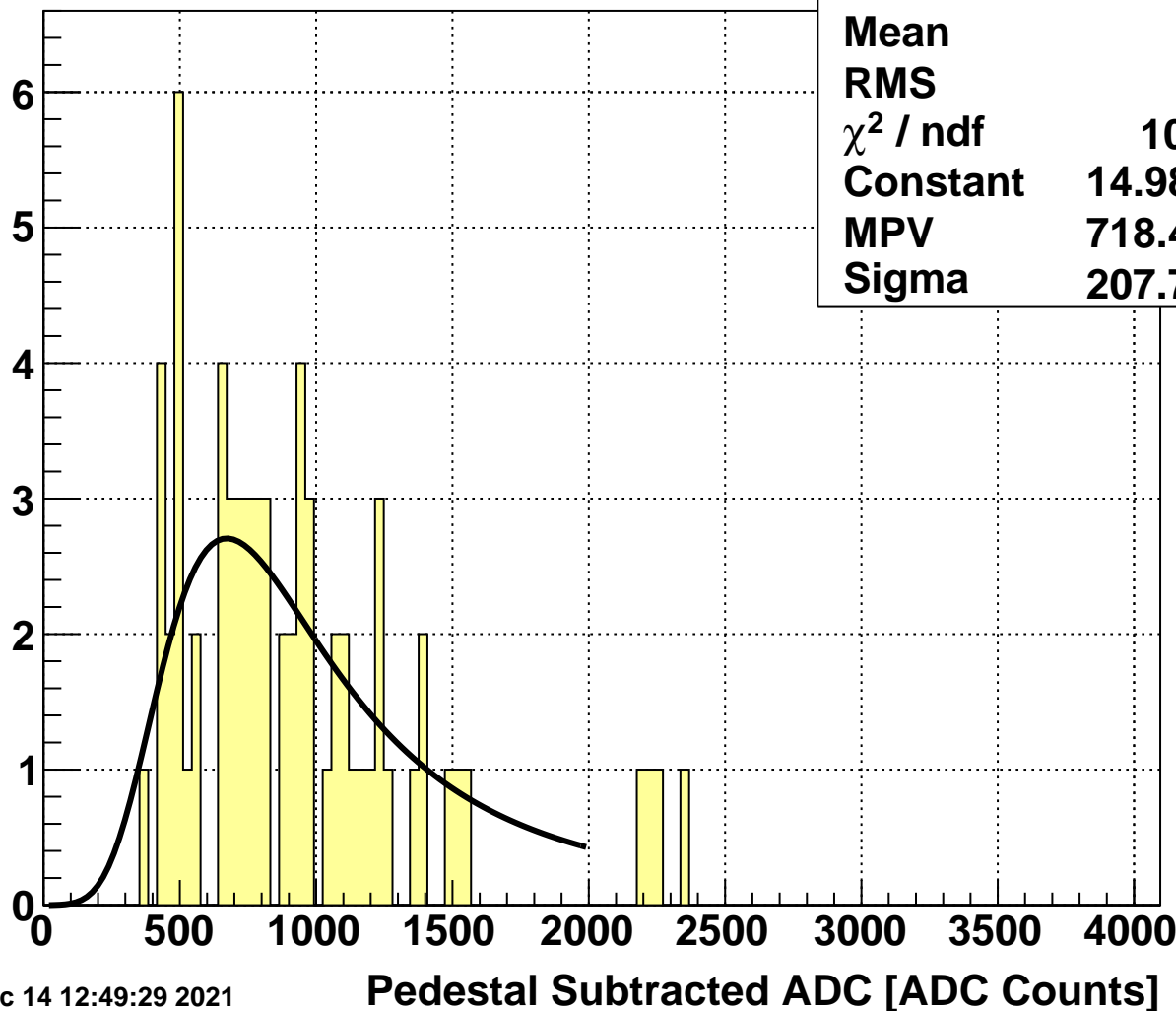
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**FST - MIP peak ZS, RDO6\_ARM1\_PORT0\_SEC0****\_ZS\_Section\_64**



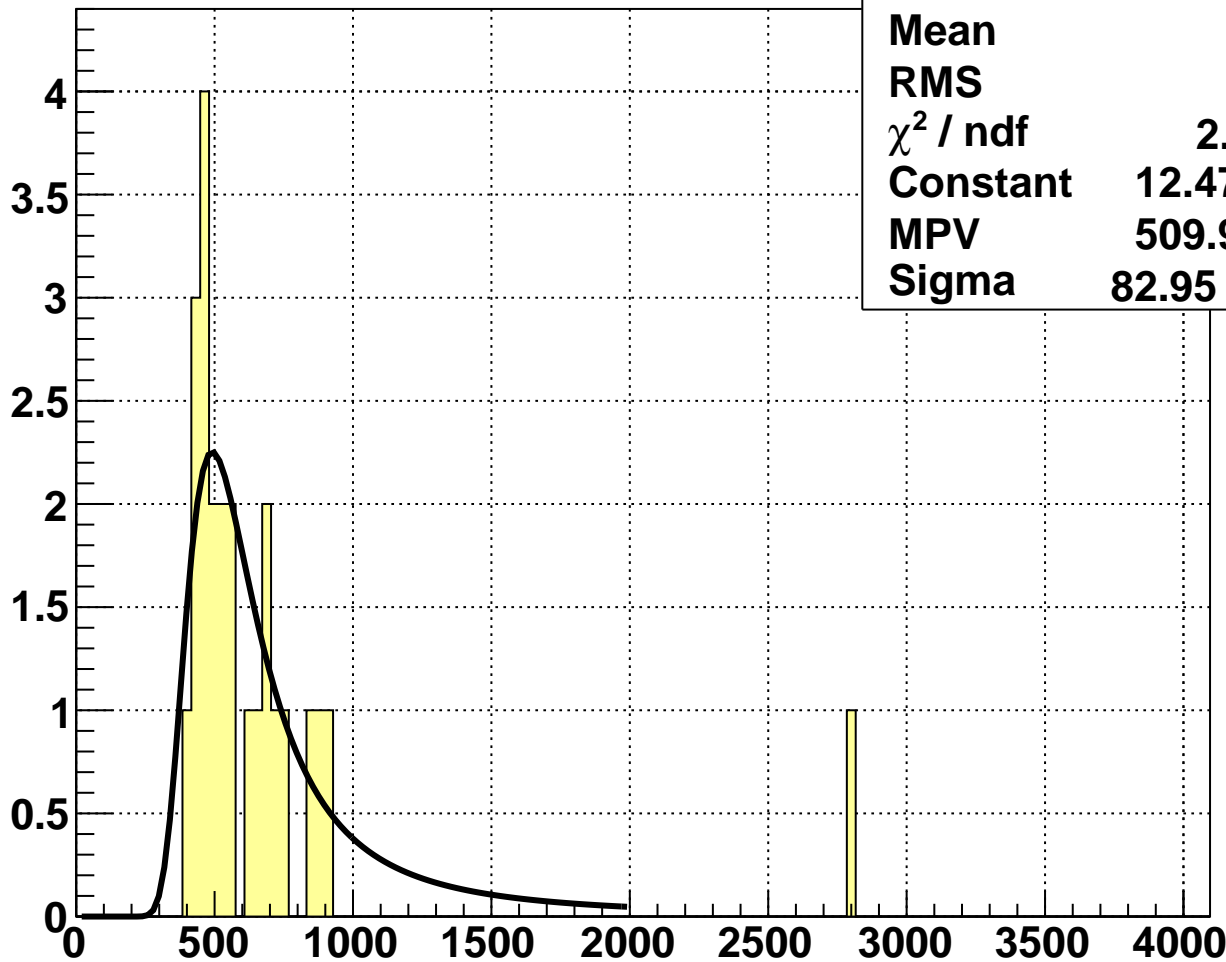
**FST - MIP peak ZS, RDO6\_ARM1\_PORT0\_SEC1****\_ZS\_Section\_65**

<b>Entries</b>	<b>68</b>
<b>Mean</b>	<b>933.2</b>
<b>RMS</b>	<b>442.3</b>
$\chi^2 / \text{ndf}$	<b>10.77 / 26</b>
<b>Constant</b>	<b><math>14.98 \pm 3.15</math></b>
<b>MPV</b>	<b><math>718.4 \pm 72.3</math></b>
<b>Sigma</b>	<b><math>207.7 \pm 63.0</math></b>



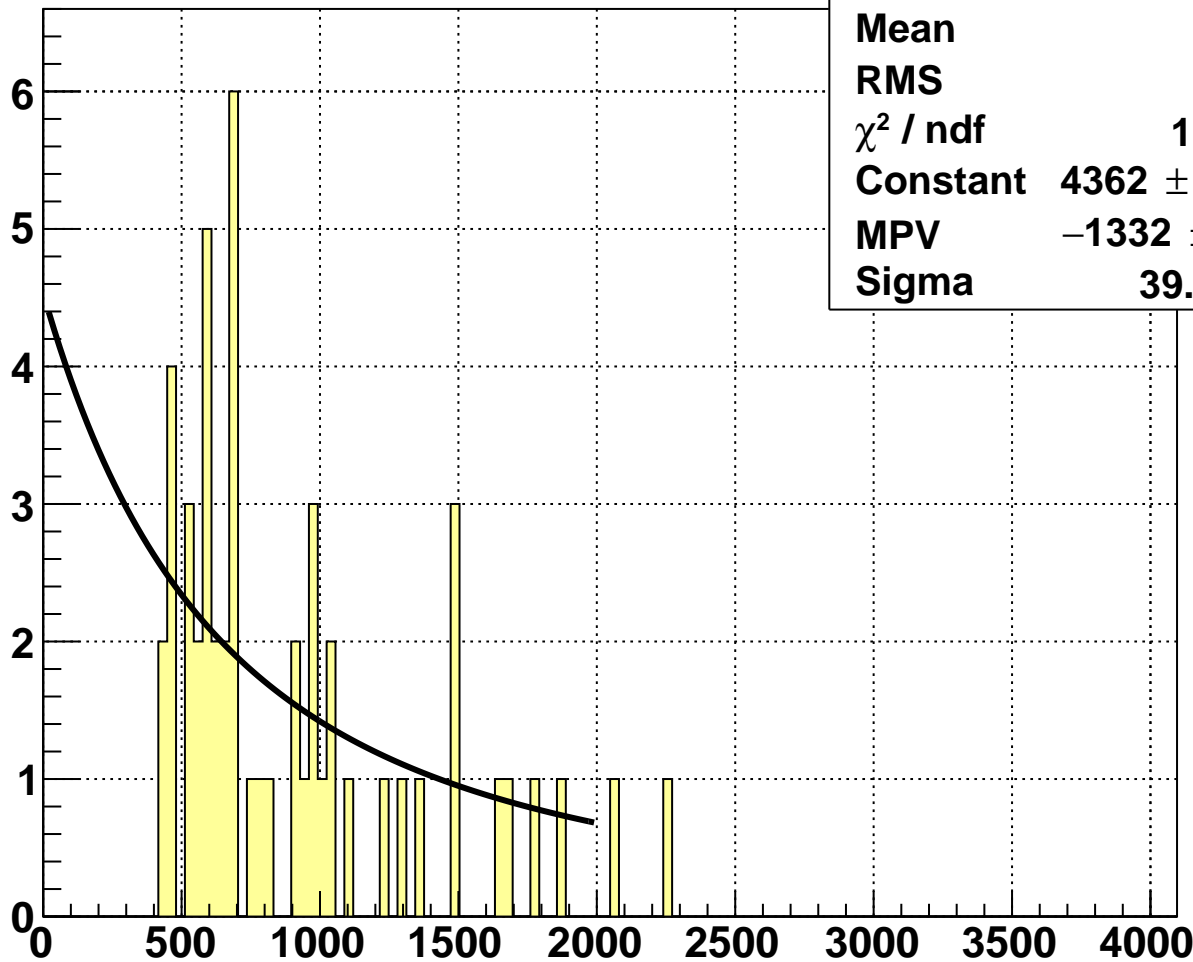
# FST - MIP peak ZS, RDO6\_ARM1\_PORT1\_SEC0\_ZS\_Section\_66

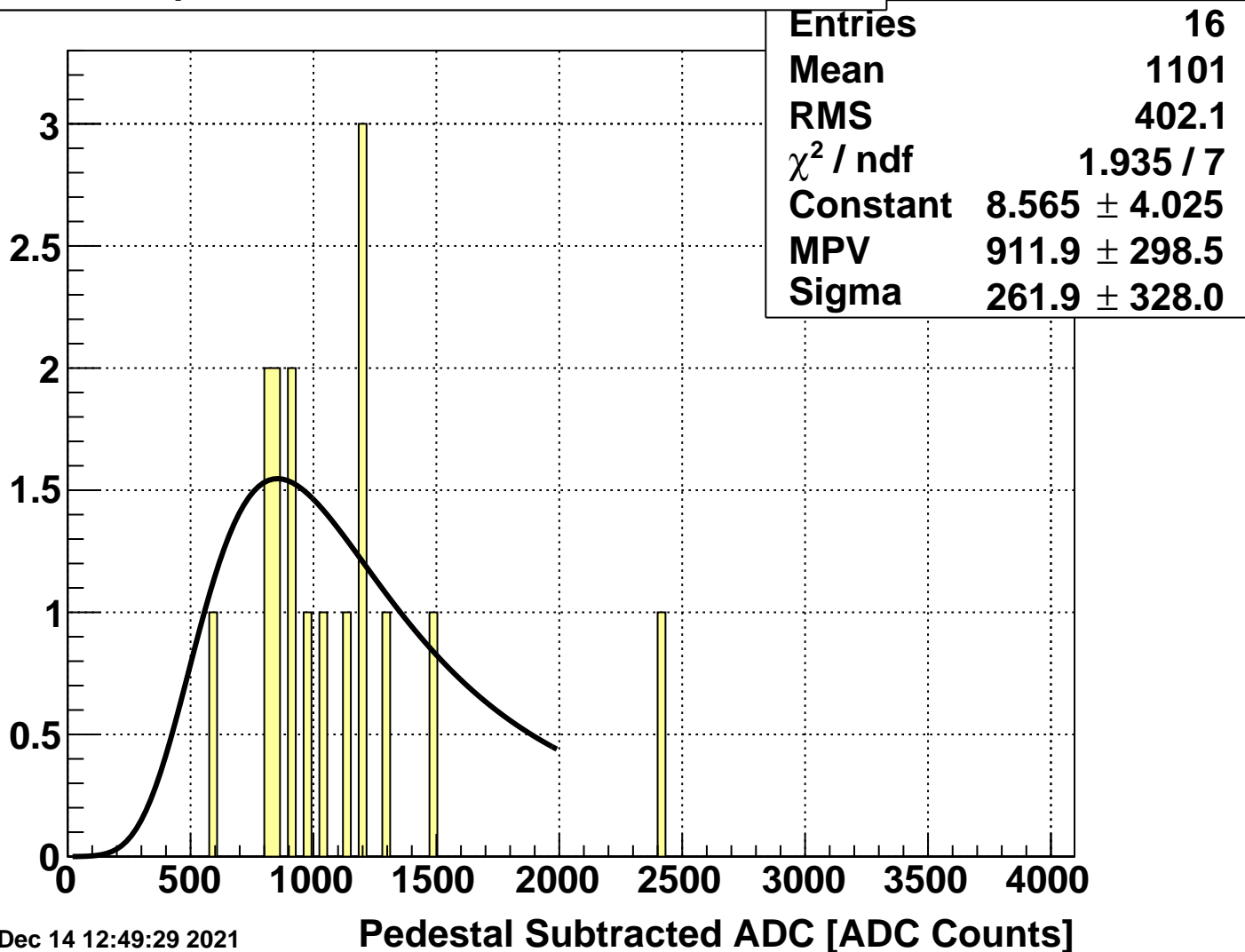
Entries	24
Mean	679.5
RMS	468.4
$\chi^2 / \text{ndf}$	2.877 / 11
Constant	$12.47 \pm 6.09$
MPV	$509.9 \pm 52.6$
Sigma	$82.95 \pm 69.39$

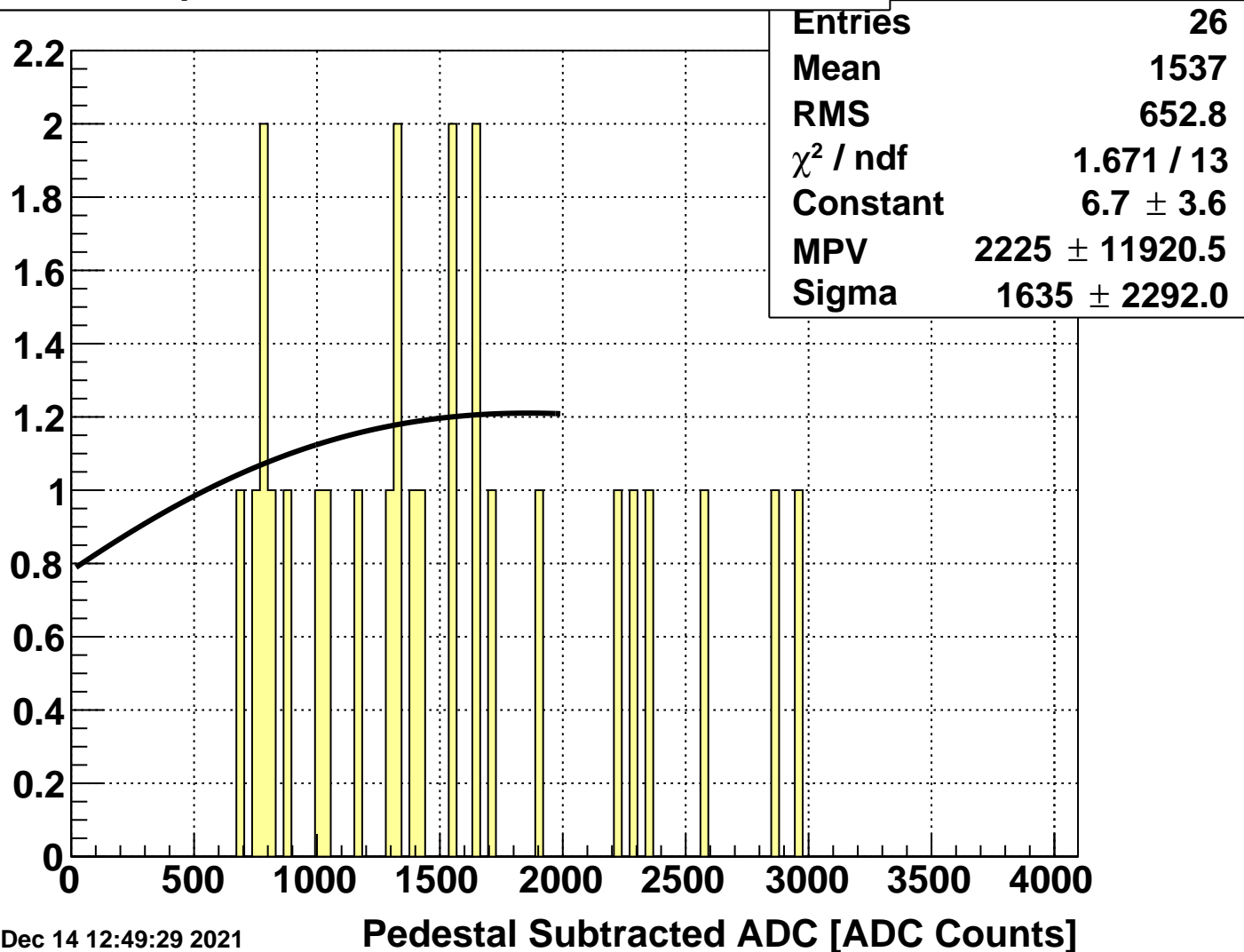


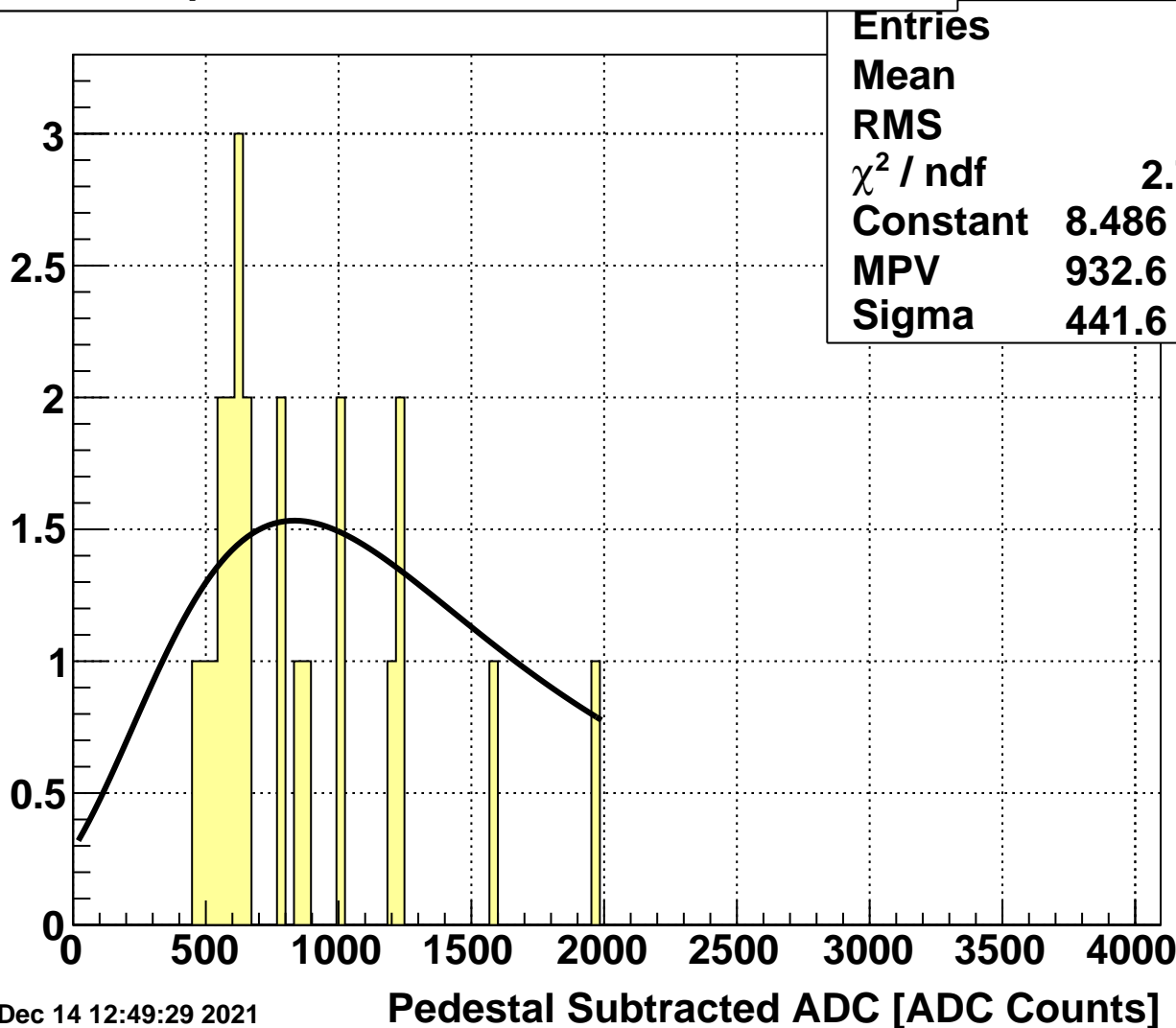
**FST - MIP peak ZS, RDO6\_ARM1\_PORT1\_SEC1****\_ZS\_Section\_67**

<b>Entries</b>	<b>51</b>
<b>Mean</b>	<b>921.4</b>
<b>RMS</b>	<b>454.8</b>
<b><math>\chi^2</math> / ndf</b>	<b>10.23 / 22</b>
<b>Constant</b>	<b><math>4362 \pm 15493.6</math></b>
<b>MPV</b>	<b><math>-1332 \pm 1349.2</math></b>
<b>Sigma</b>	<b><math>39.9 \pm 73.9</math></b>



**FST - MIP peak ZS, RDO6\_ARM2\_PORT0\_SEC0****\_ZS\_Section\_68**

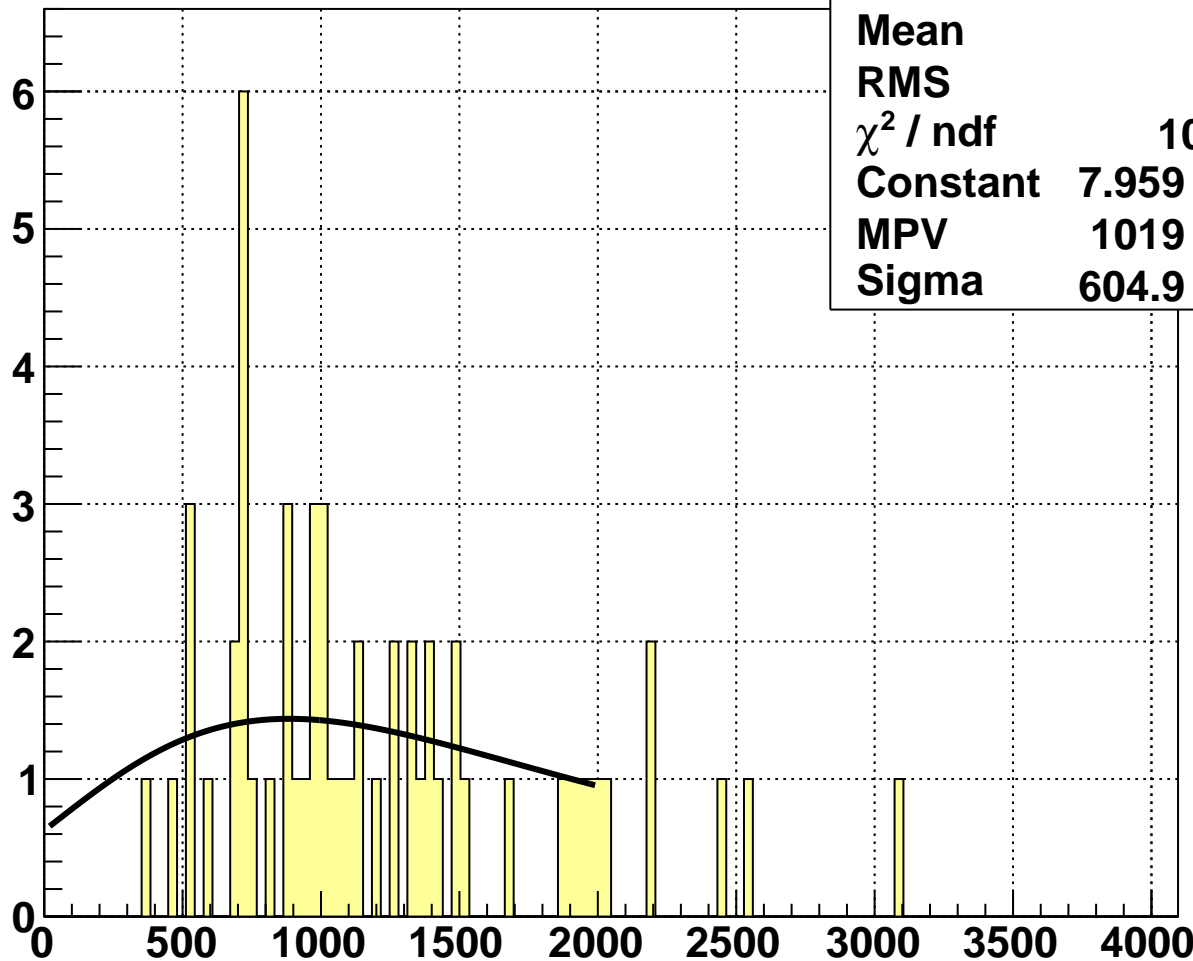
**FST - MIP peak ZS, RDO6\_ARM2\_PORT0\_SEC1****\_ZS\_Section\_69**

**FST - MIP peak ZS, RDO6\_ARM2\_PORT1\_SEC0****\_ZS\_Section\_70**

Entries	23
Mean	850.7
RMS	372.5
$\chi^2 / \text{ndf}$	2.773 / 12
Constant	$8.486 \pm 2.902$
MPV	$932.6 \pm 388.0$
Sigma	$441.6 \pm 533.3$

# FST - MIP peak ZS, RDO6\_ARM2\_PORT1\_SEC1

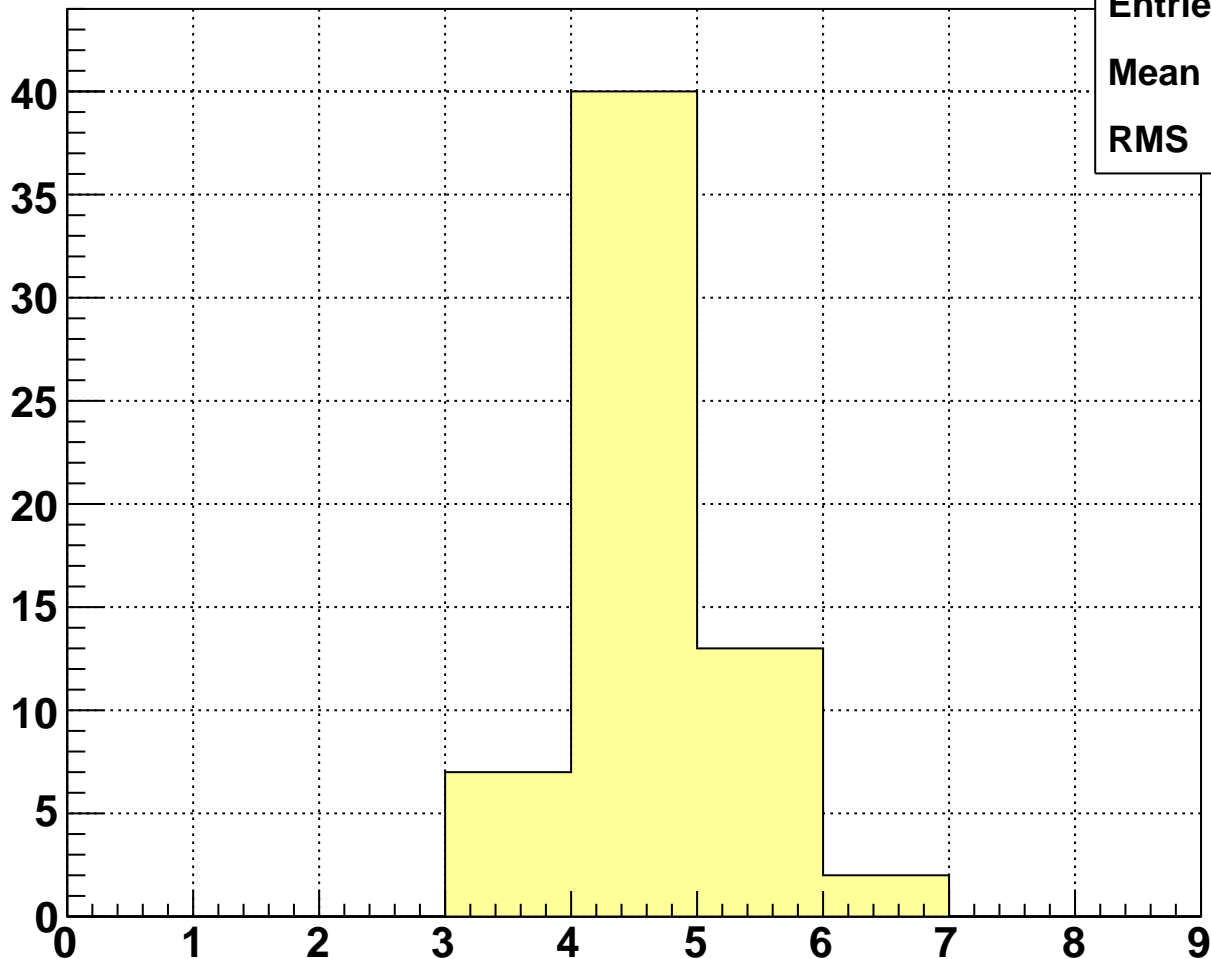
Entries	56
Mean	1222
RMS	579.7
$\chi^2 / \text{ndf}$	10.12 / 28
Constant	$7.959 \pm 1.734$
MPV	$1019 \pm 408.7$
Sigma	$604.9 \pm 499.5$



# FST - Max time bin (ZS), RDO1\_ARM0\_PORT0\_SEC0

maxTB\_ZS\_Section\_0

<b>Entries</b>	<b>62</b>
<b>Mean</b>	<b>4.161</b>
<b>RMS</b>	<b>0.6524</b>

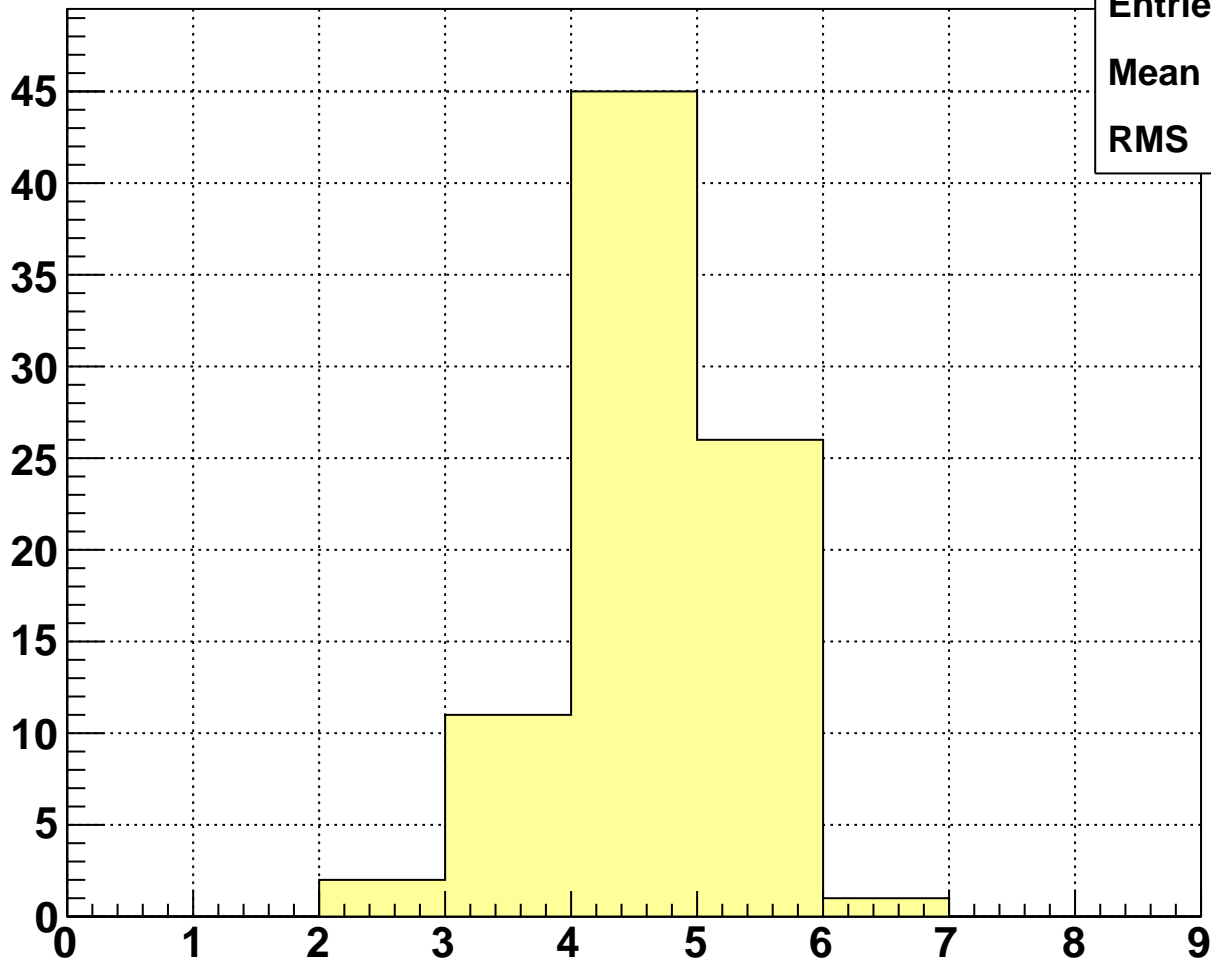


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# FST - Max time bin (ZS), RDO1\_ARM0\_PORT0\_SEC1



maxTB\_ZS\_Section\_1

**Entries** 85

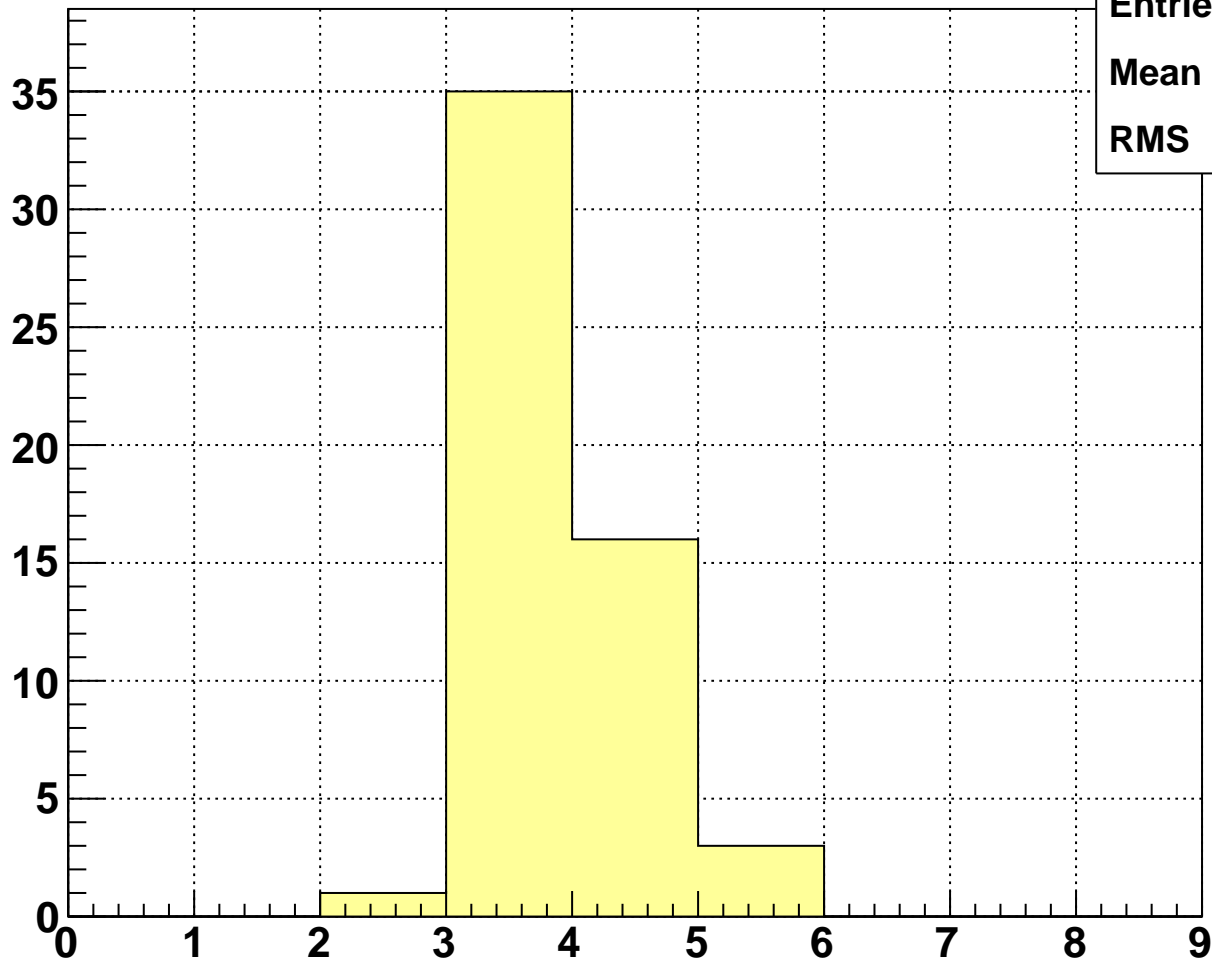
**Mean** 4.153

**RMS** 0.7437

# FST - Max time bin (ZS), RDO1\_ARM0\_PORT1\_SEC0

maxTB\_ZS\_Section\_2

<b>Entries</b>	<b>55</b>
<b>Mean</b>	<b>3.382</b>
<b>RMS</b>	<b>0.6176</b>



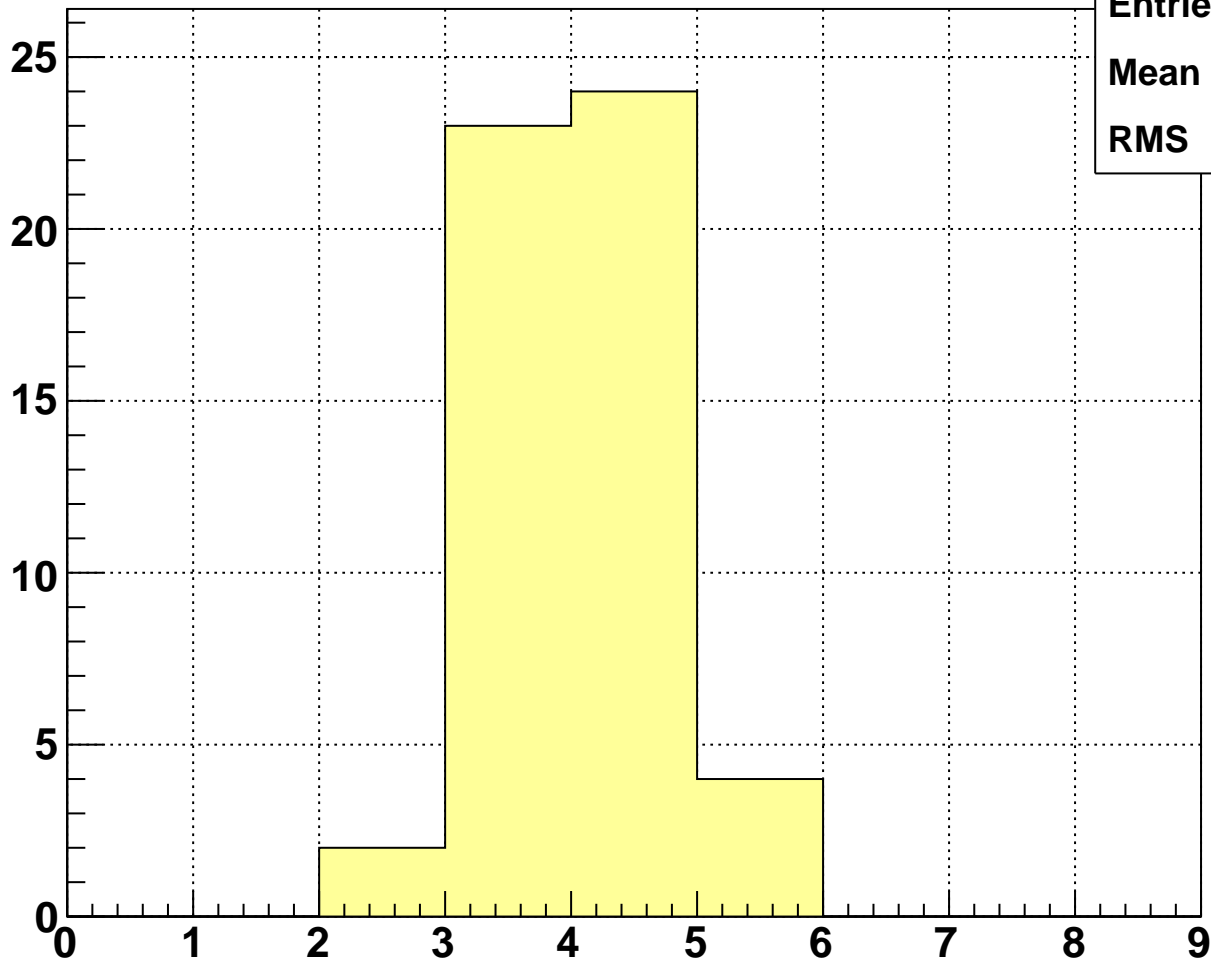
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Time Bin Index

# FST - Max time bin (ZS), RDO1\_ARM0\_PORT1\_SEC1

maxTB\_ZS\_Section\_3

<b>Entries</b>	<b>53</b>
<b>Mean</b>	<b>3.566</b>
<b>RMS</b>	<b>0.6871</b>



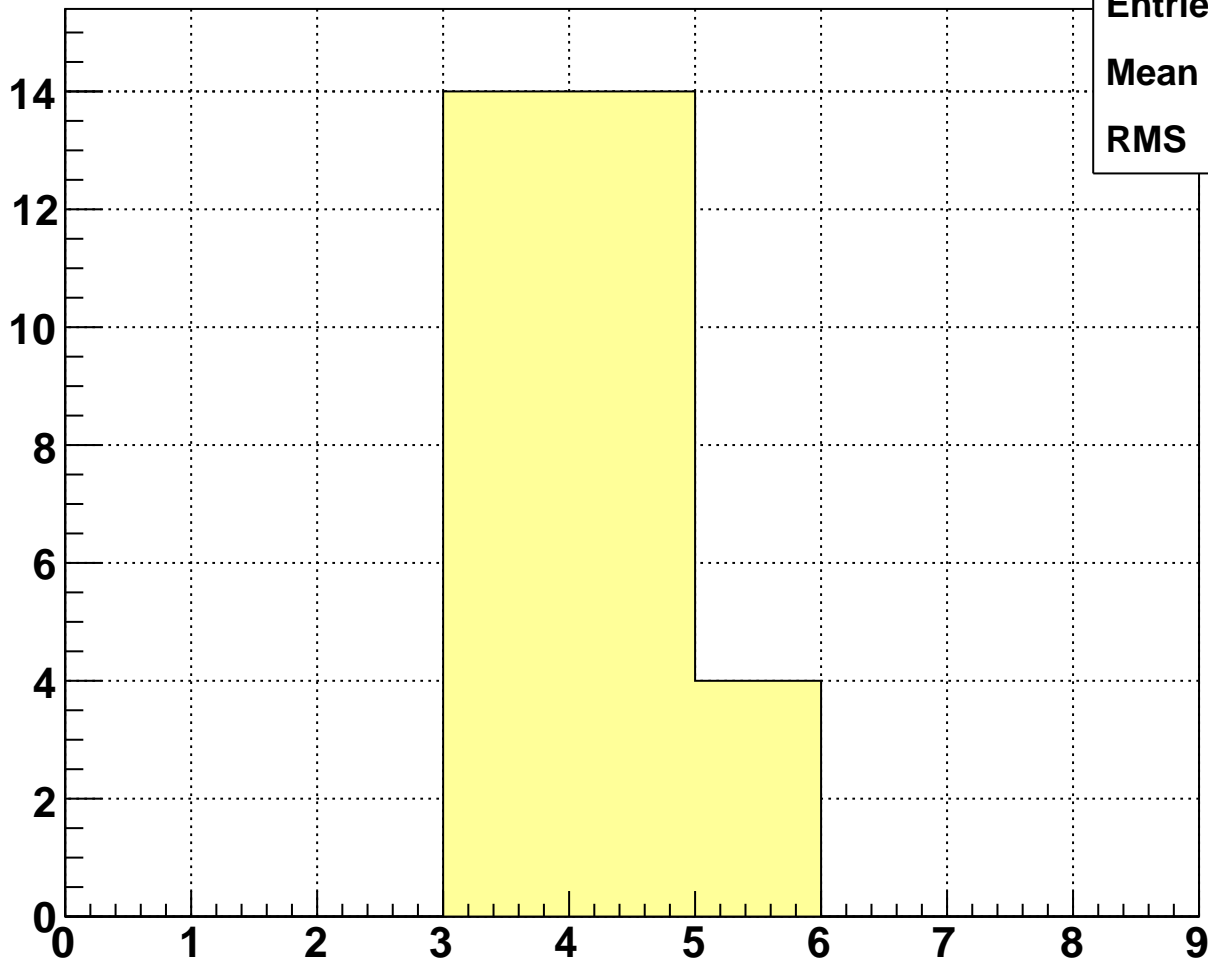
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Time Bin Index

# FST - Max time bin (ZS), RDO1\_ARM1\_PORT0\_SEC0

maxTB\_ZS\_Section\_4

<b>Entries</b>	<b>32</b>
<b>Mean</b>	<b>3.688</b>
<b>RMS</b>	<b>0.6818</b>



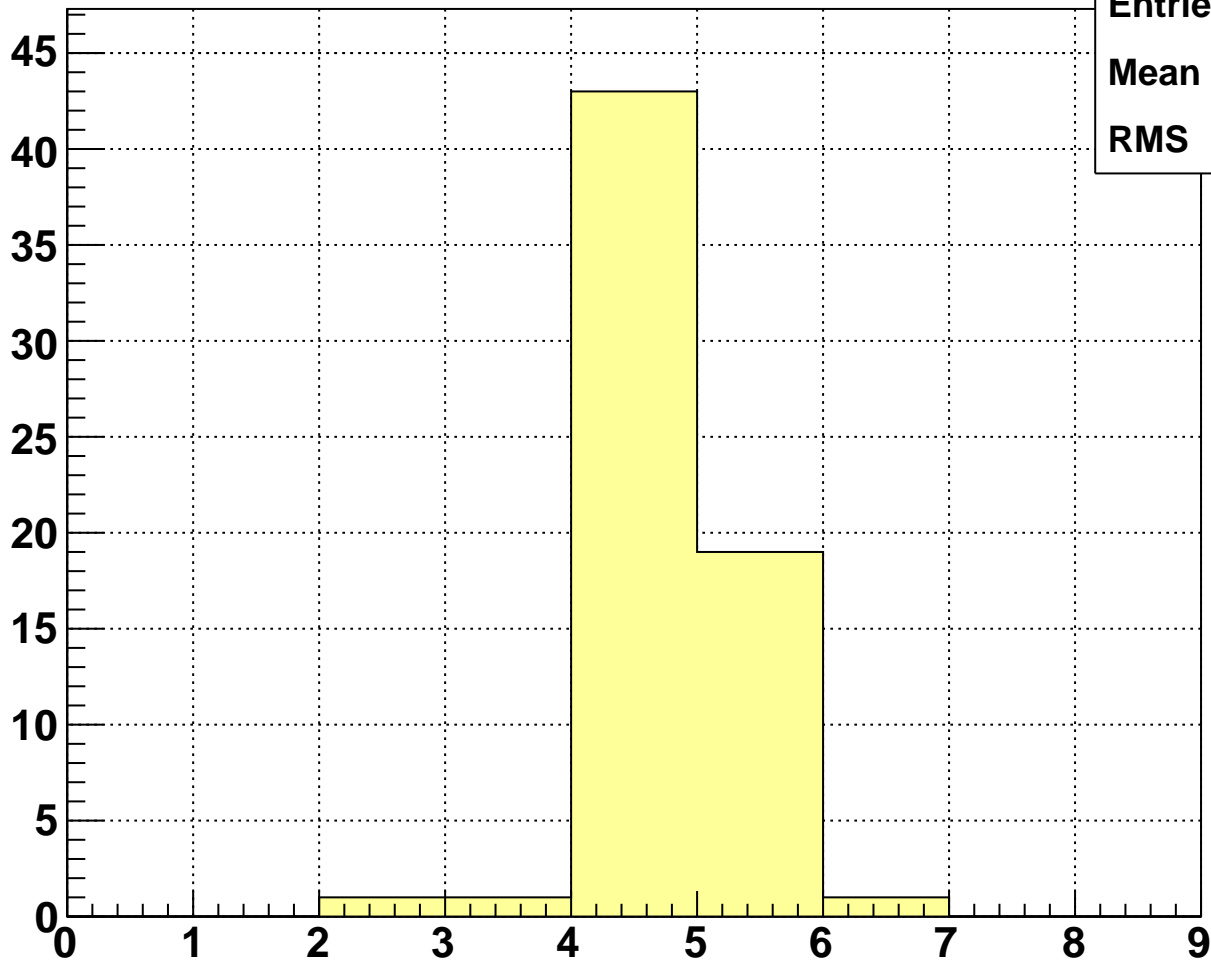
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Time Bin Index

# FST - Max time bin (ZS), RDO1\_ARM1\_PORT0\_SEC1

maxTB\_ZS\_Section\_5

<b>Entries</b>	<b>65</b>
<b>Mean</b>	<b>4.277</b>
<b>RMS</b>	<b>0.595</b>



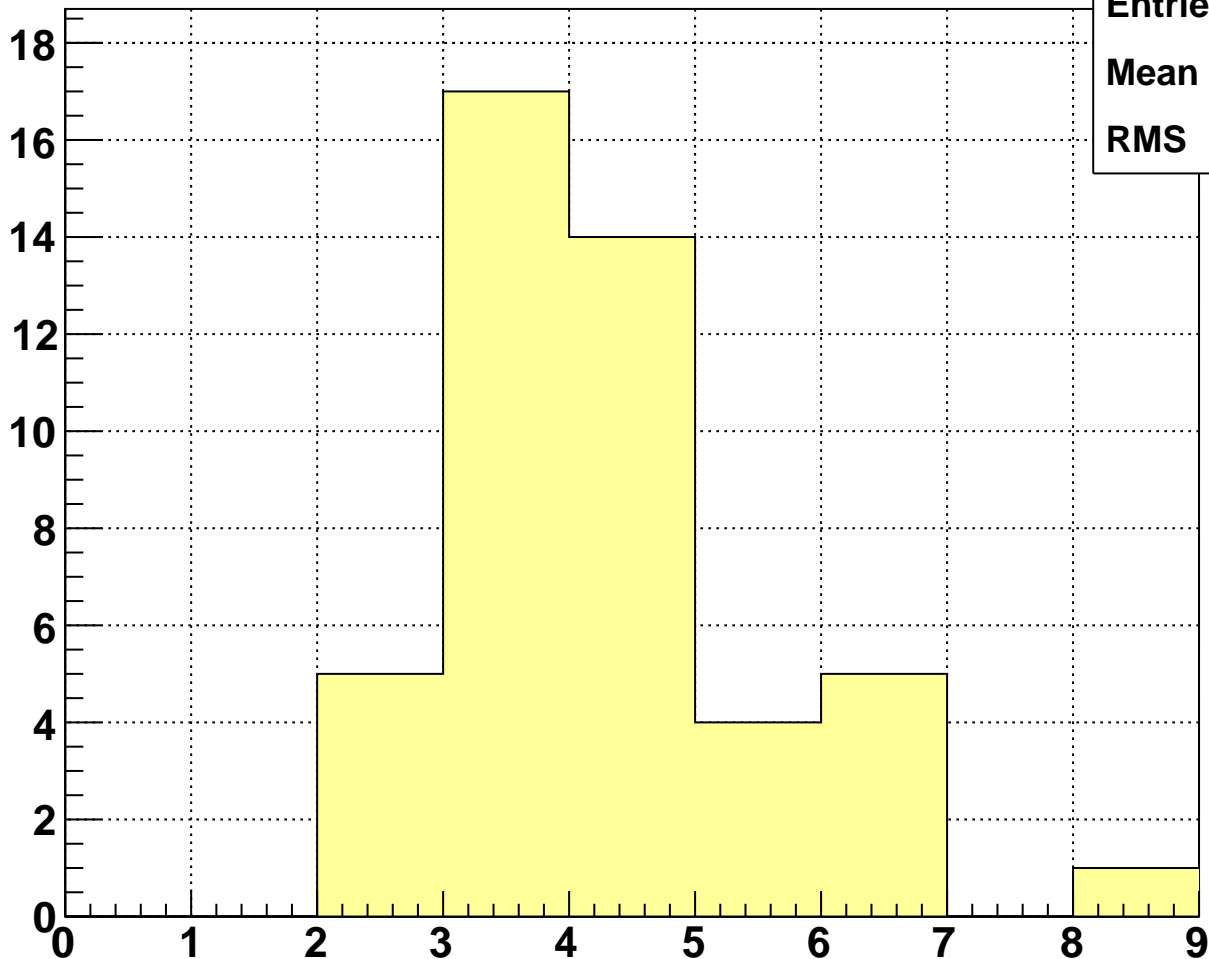
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# FST - Max time bin (ZS), RDO1\_ARM1\_PORT1\_SEC0

maxTB\_ZS\_Section\_6

<b>Entries</b>	<b>46</b>
<b>Mean</b>	<b>3.804</b>
<b>RMS</b>	<b>1.279</b>



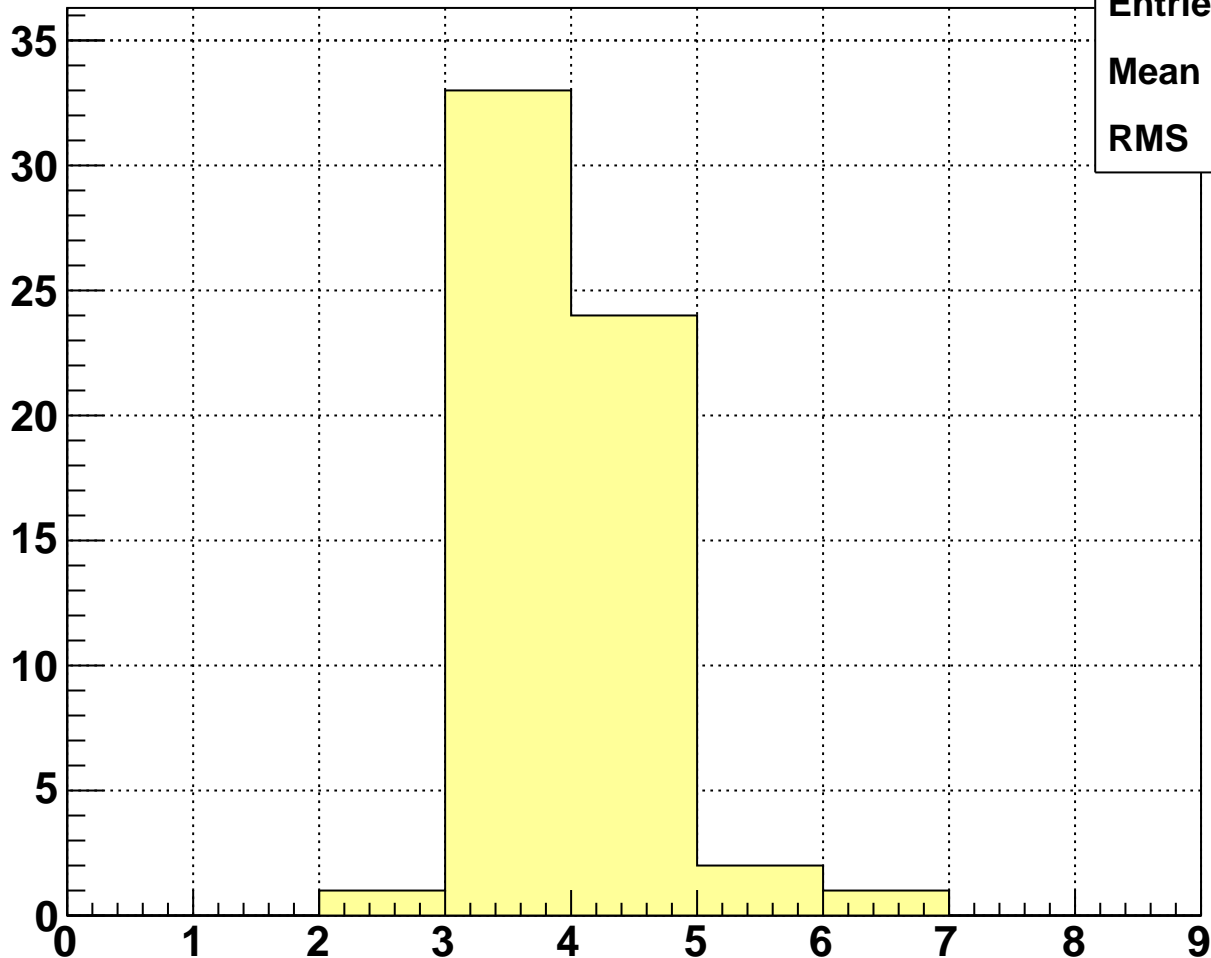
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Time Bin Index

# FST - Max time bin (ZS), RDO1\_ARM1\_PORT1\_SEC1

maxTB\_ZS\_Section\_7

<b>Entries</b>	<b>61</b>
<b>Mean</b>	<b>3.492</b>
<b>RMS</b>	<b>0.6683</b>



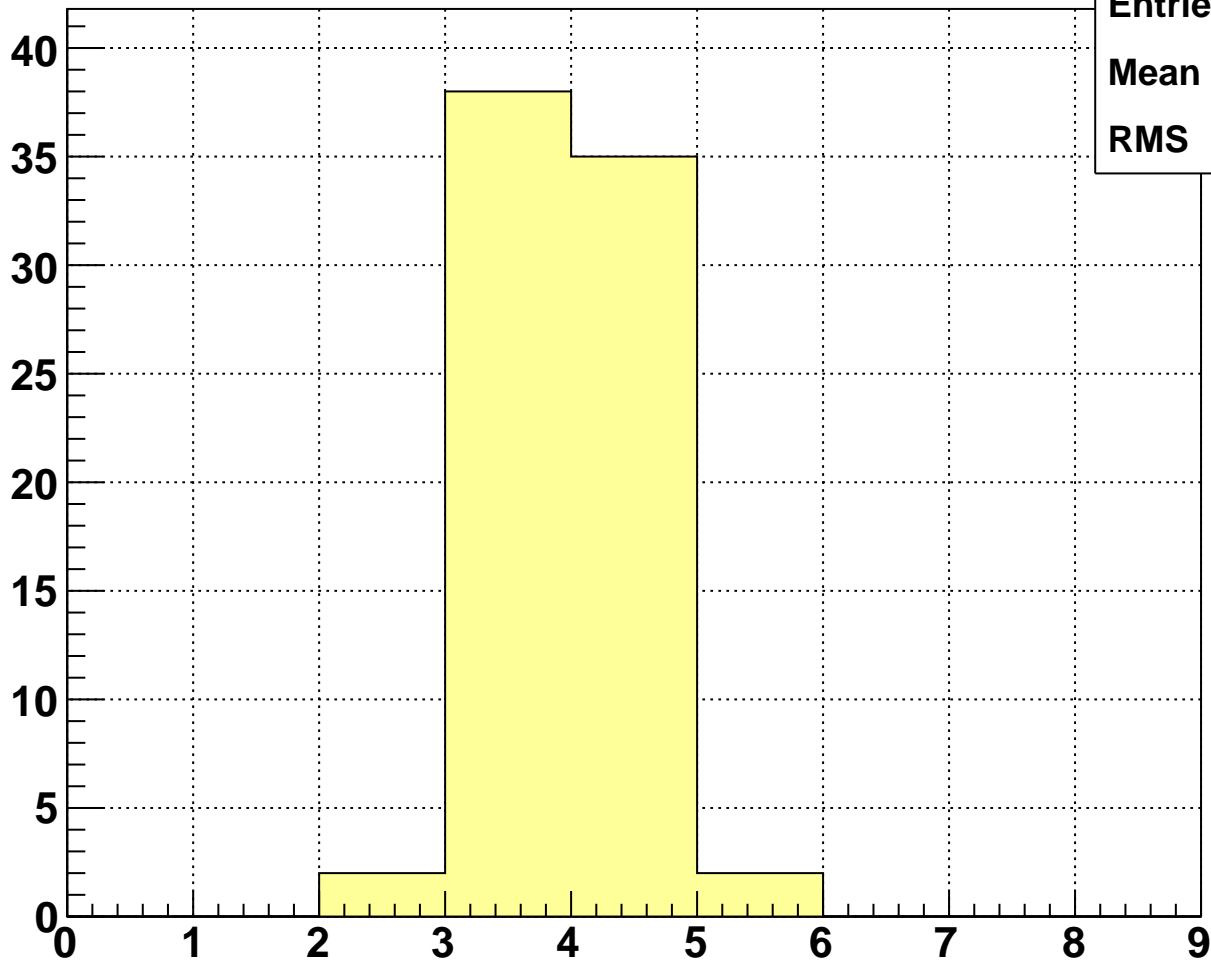
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Time Bin Index

# FST - Max time bin (ZS), RDO1\_ARM2\_PORT0\_SEC0

maxTB\_ZS\_Section\_8

<b>Entries</b>	<b>77</b>
<b>Mean</b>	<b>3.481</b>
<b>RMS</b>	<b>0.5946</b>



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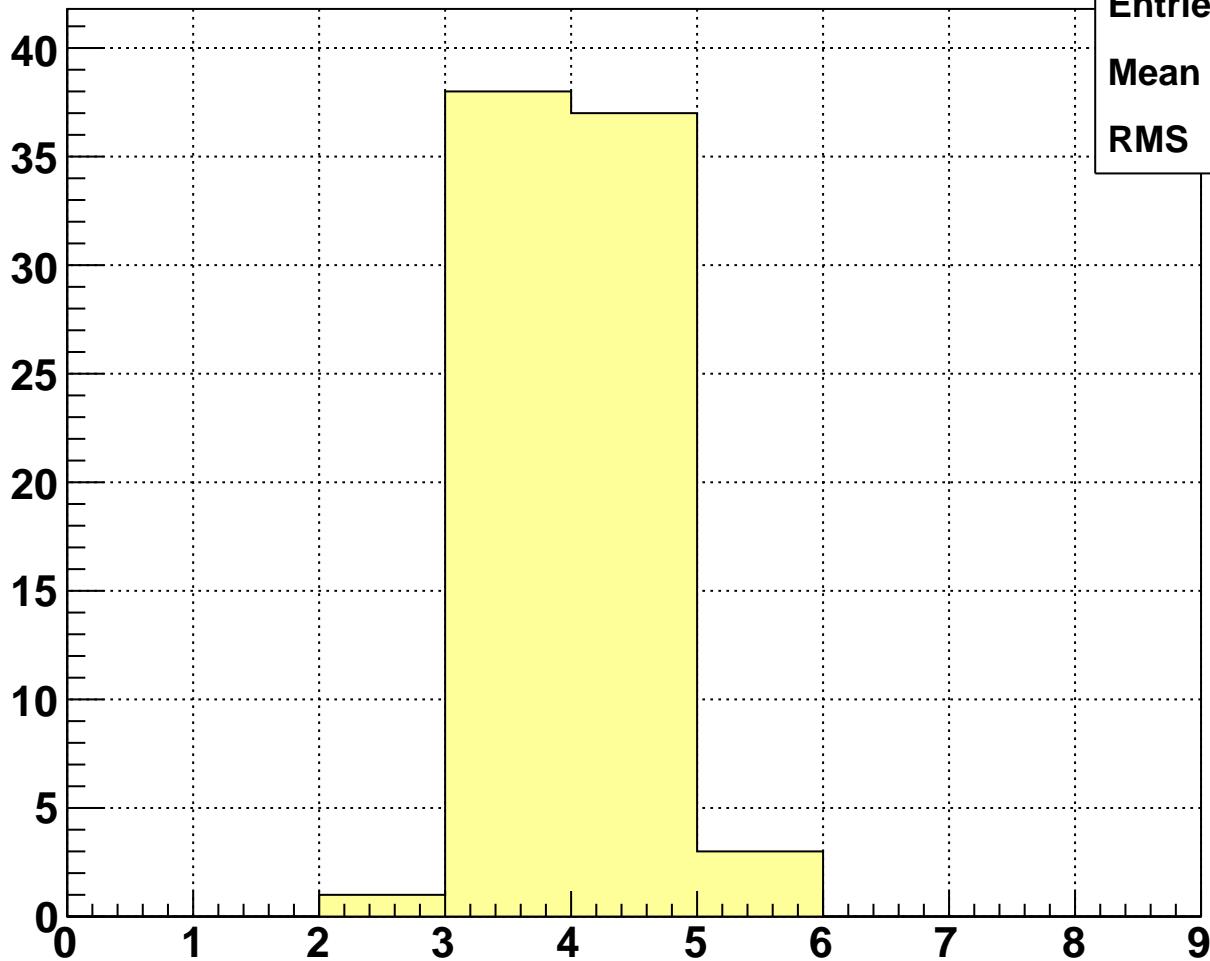
Time Bin Index



# FST - Max time bin (ZS), RDO1\_ARM2\_PORT0\_SEC1

maxTB\_ZS\_Section\_9

<b>Entries</b>	<b>79</b>
<b>Mean</b>	<b>3.532</b>
<b>RMS</b>	<b>0.5918</b>

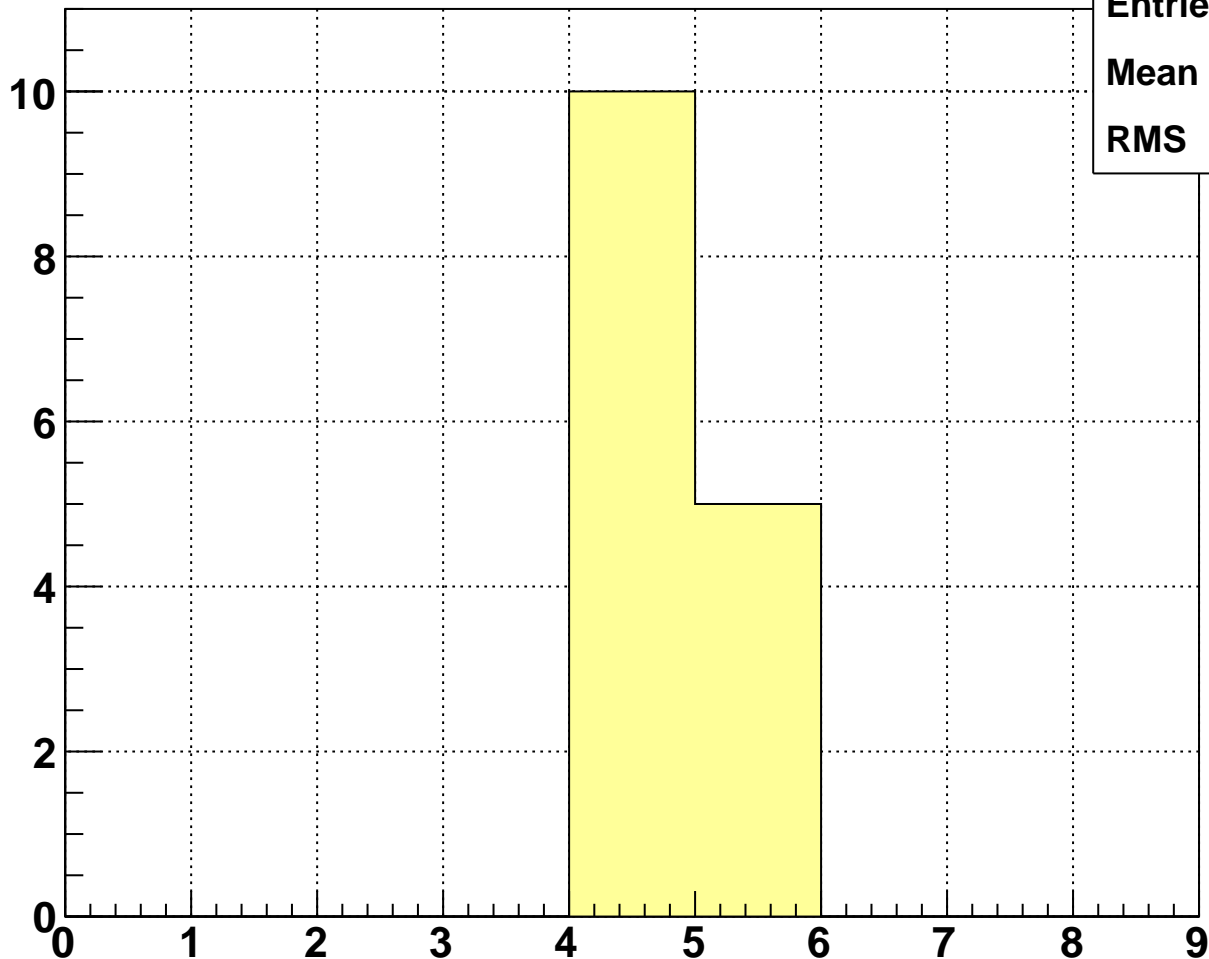


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Time Bin Index

# FST - Max time bin (ZS), RDO1\_ARM2\_PORT1\_SEC0

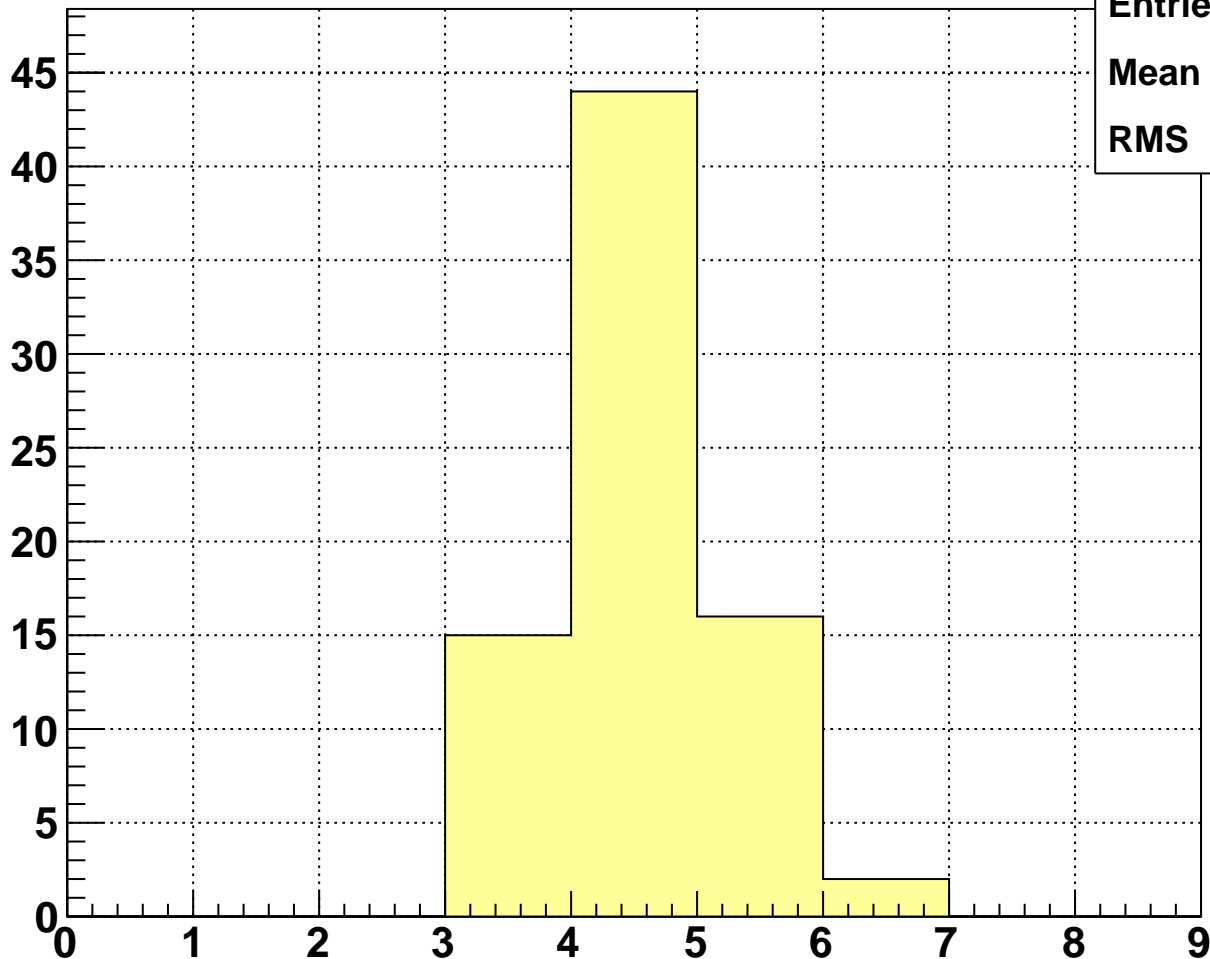
maxTB\_ZS\_Section\_10



Entries	15
Mean	4.333
RMS	0.4714

# FST - Max time bin (ZS), RDO1\_ARM2\_PORT1\_SEC1

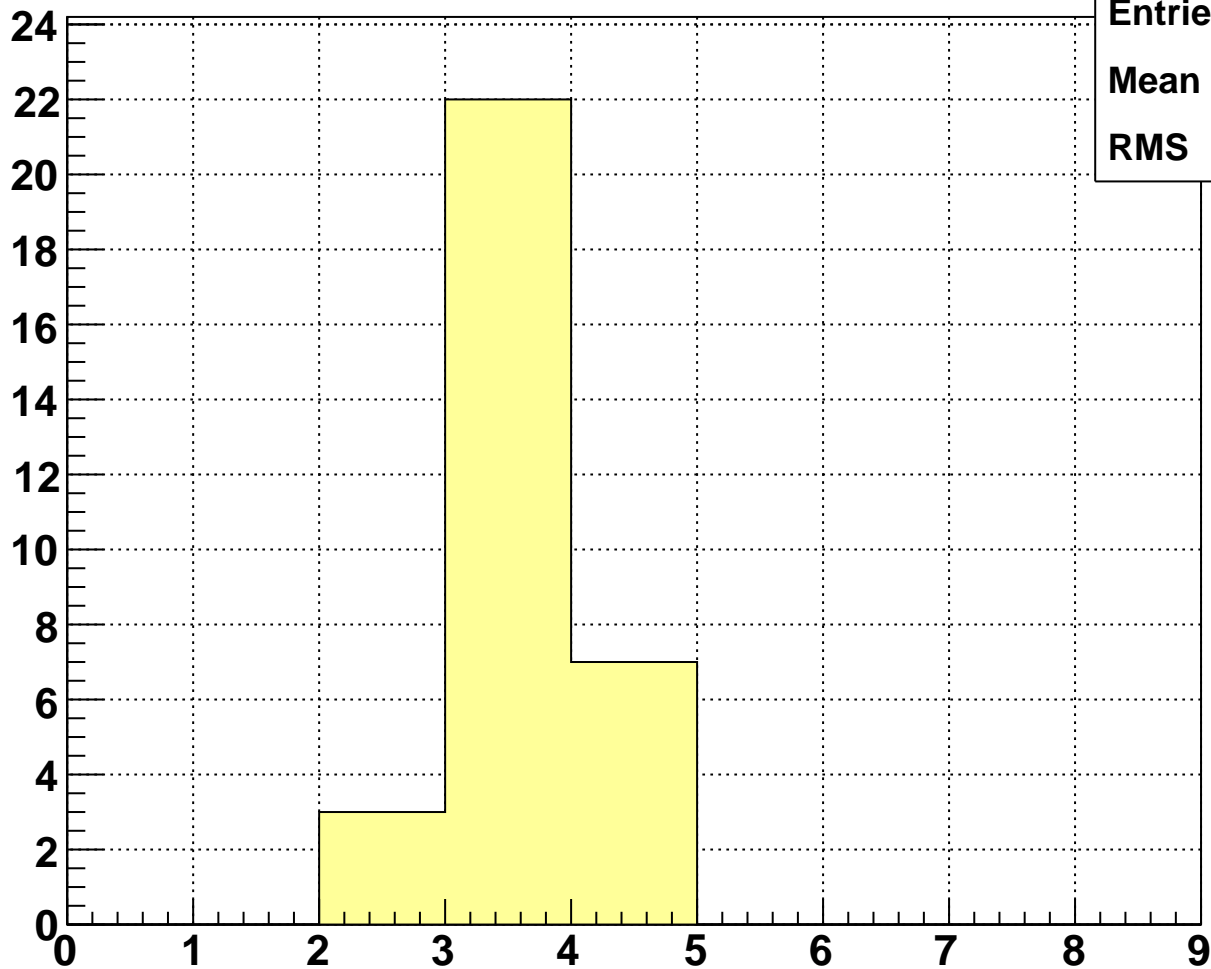
maxTB\_ZS\_Section\_11



Entries	77
Mean	4.065
RMS	0.7087

# FST - Max time bin (ZS), RDO2\_ARM0\_PORT0\_SEC0

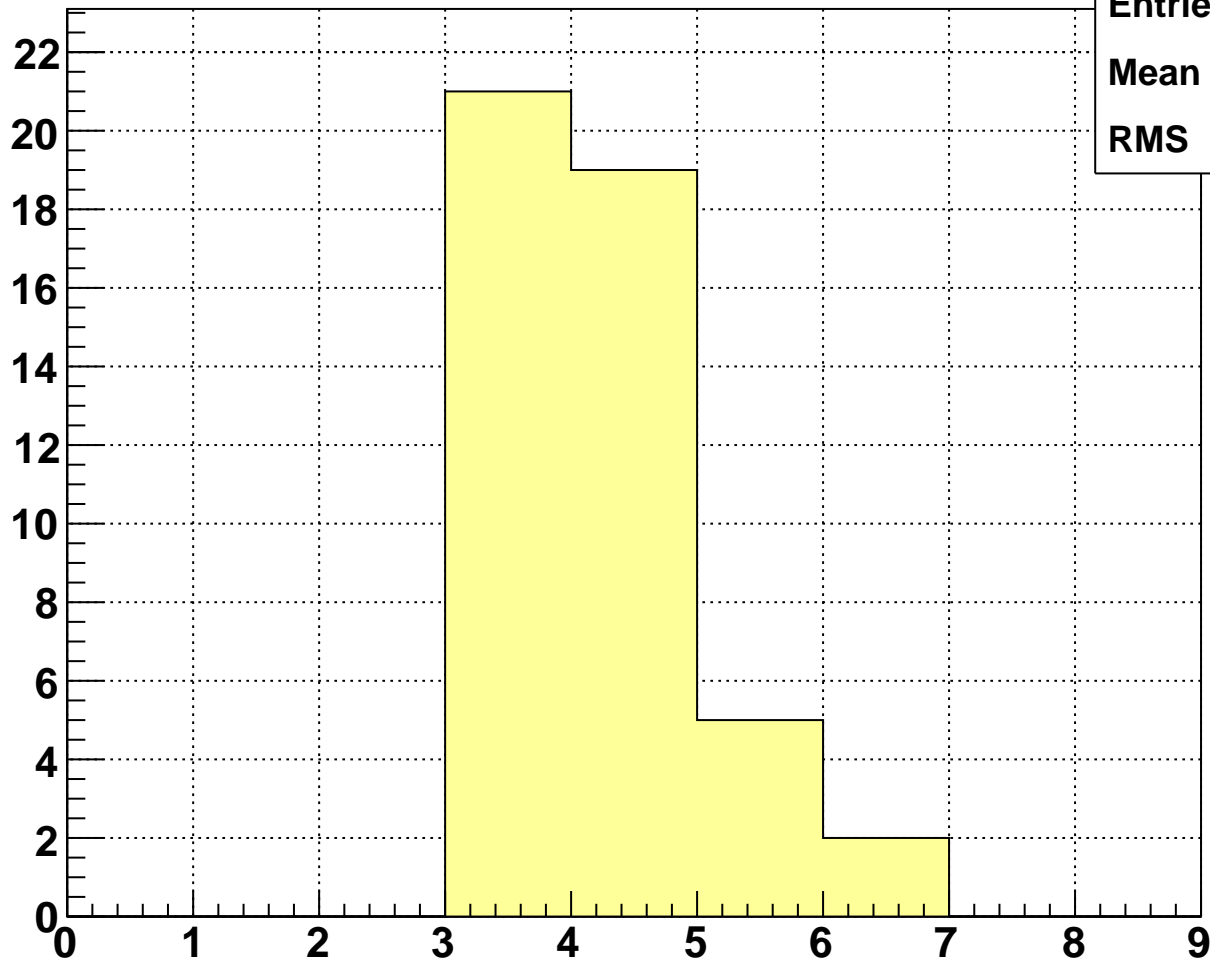
maxTB\_ZS\_Section\_12



Entries	32
Mean	3.125
RMS	0.5449

# FST - Max time bin (ZS), RDO2\_ARM0\_PORT0\_SEC1

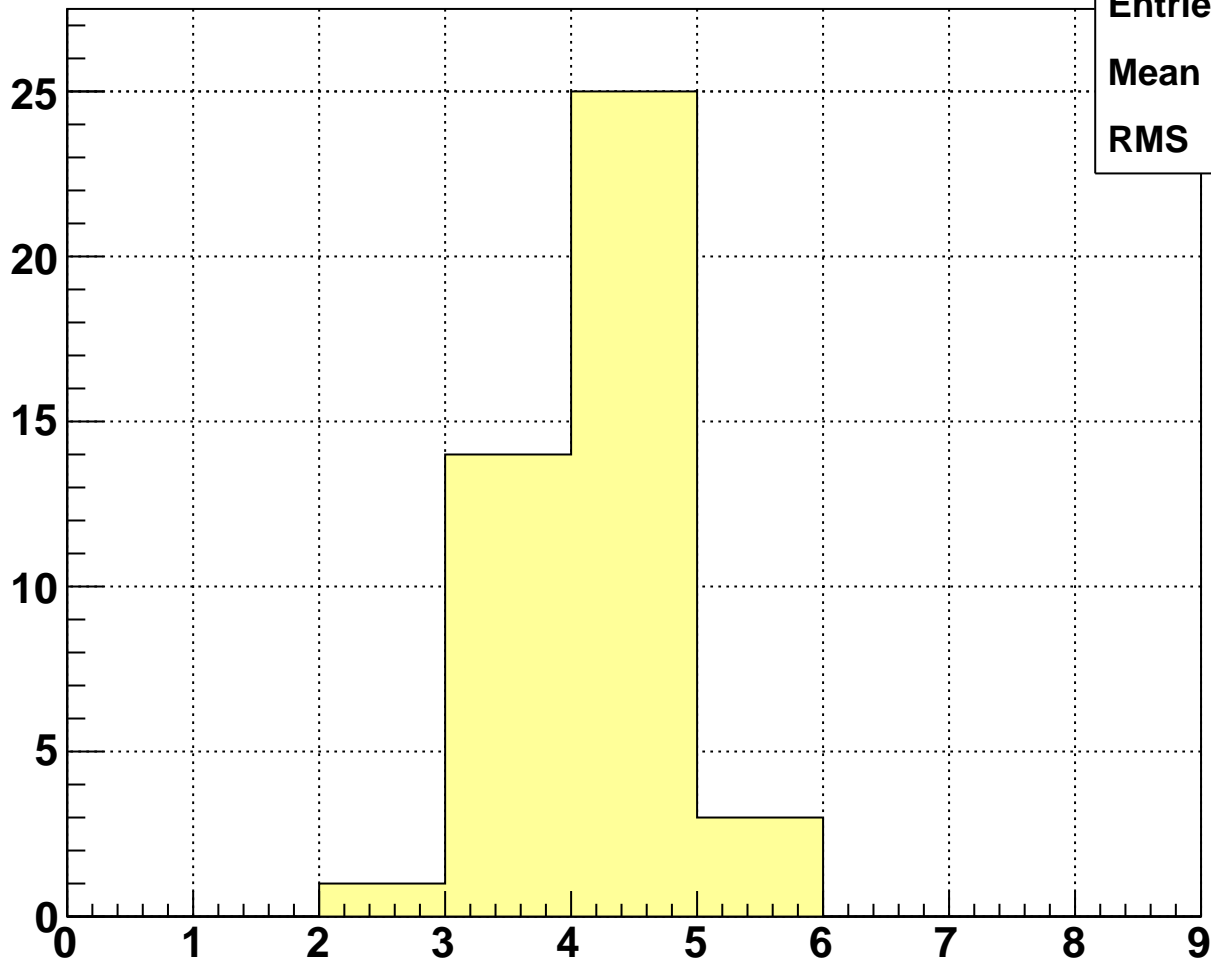
maxTB\_ZS\_Section\_13



Entries	47
Mean	3.745
RMS	0.8113

# FST - Max time bin (ZS), RDO2\_ARM0\_PORT1\_SEC0

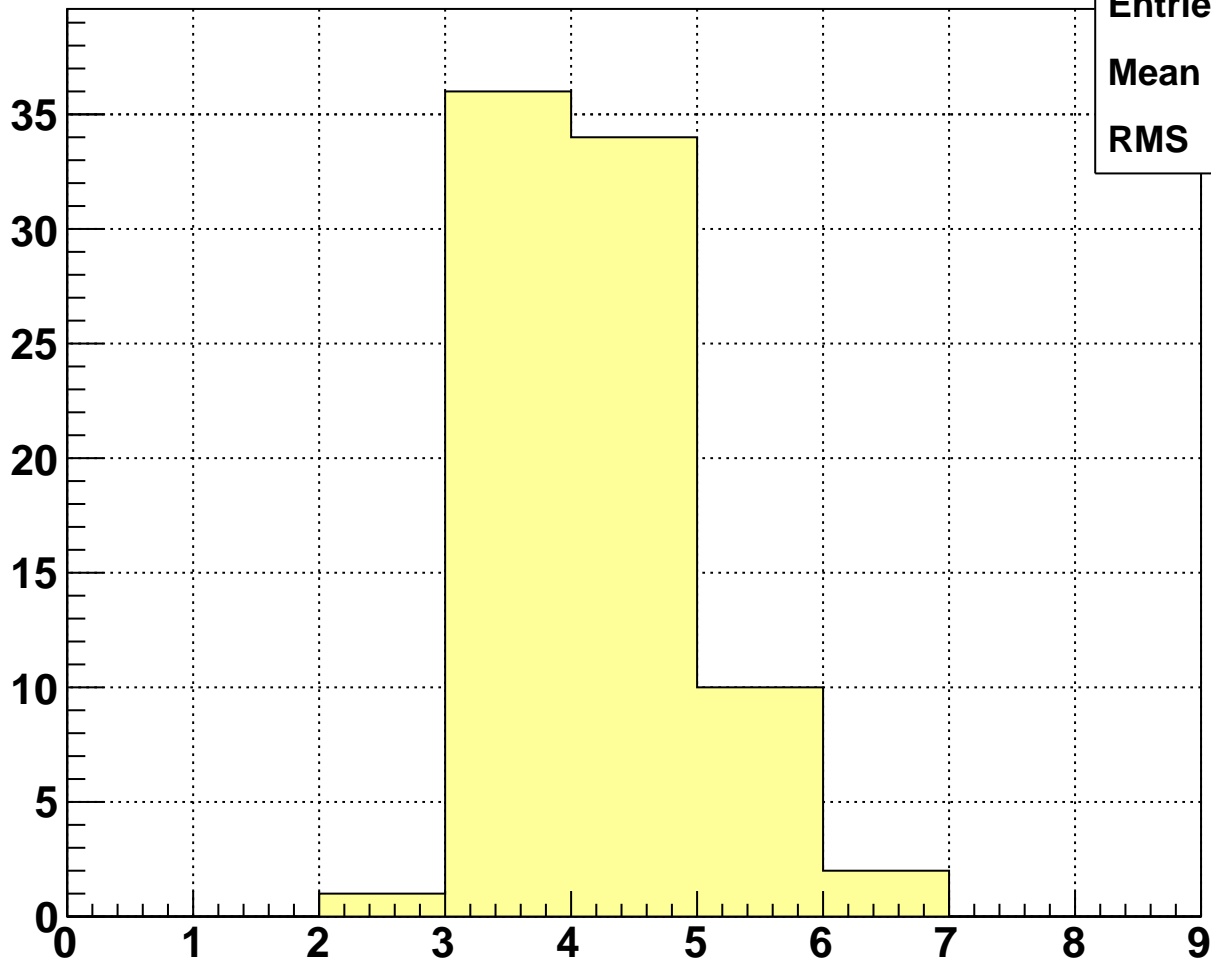
maxTB\_ZS\_Section\_14



Entries	43
Mean	3.698
RMS	0.6301

# FST - Max time bin (ZS), RDO2\_ARM0\_PORT1\_SEC1

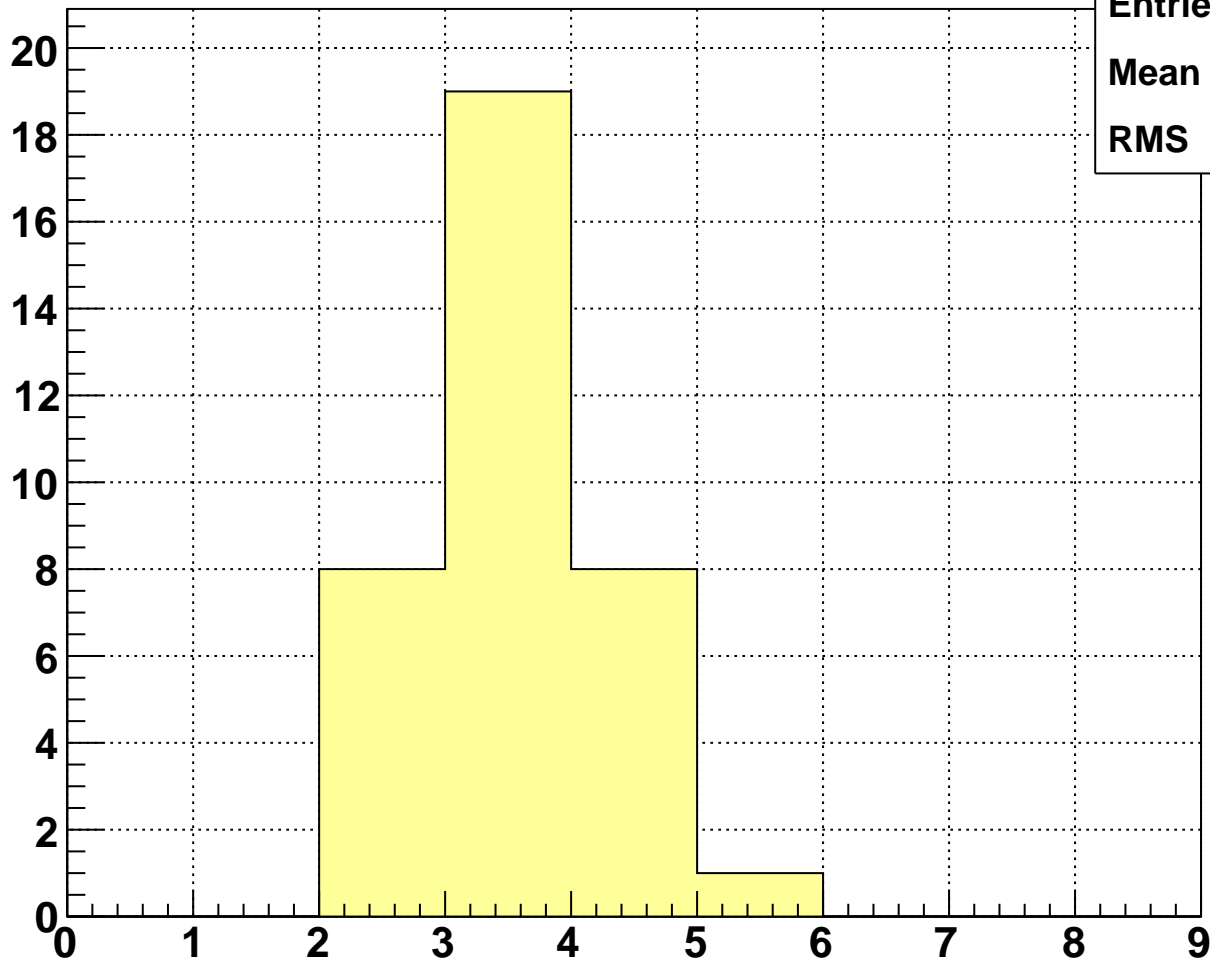
maxTB\_ZS\_Section\_15



Entries	83
Mean	3.711
RMS	0.7843

# FST - Max time bin (ZS), RDO2\_ARM1\_PORT0\_SEC0

maxTB\_ZS\_Section\_16

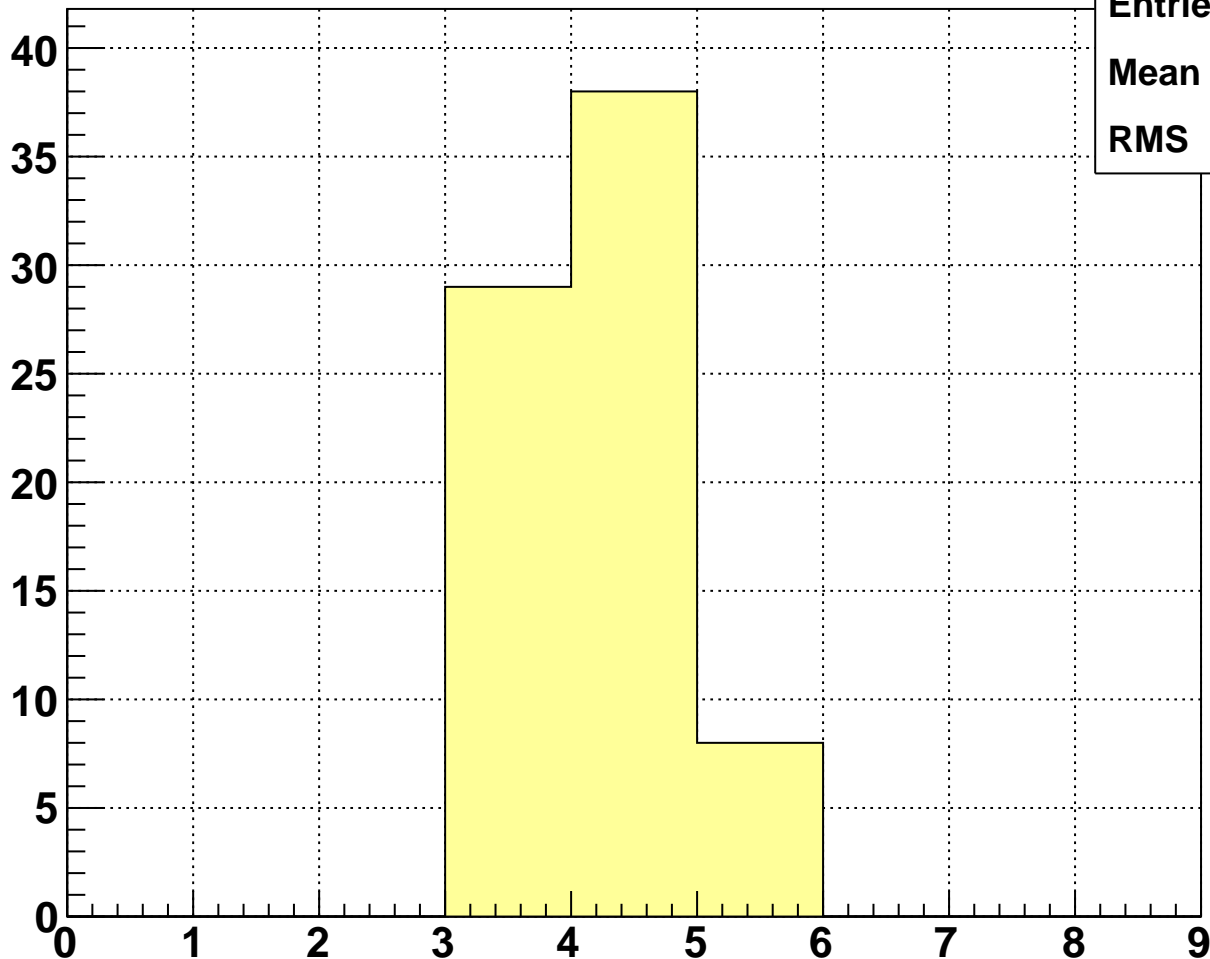


Entries	36
Mean	3.056
RMS	0.7433



# FST - Max time bin (ZS), RDO2\_ARM1\_PORT0\_SEC1

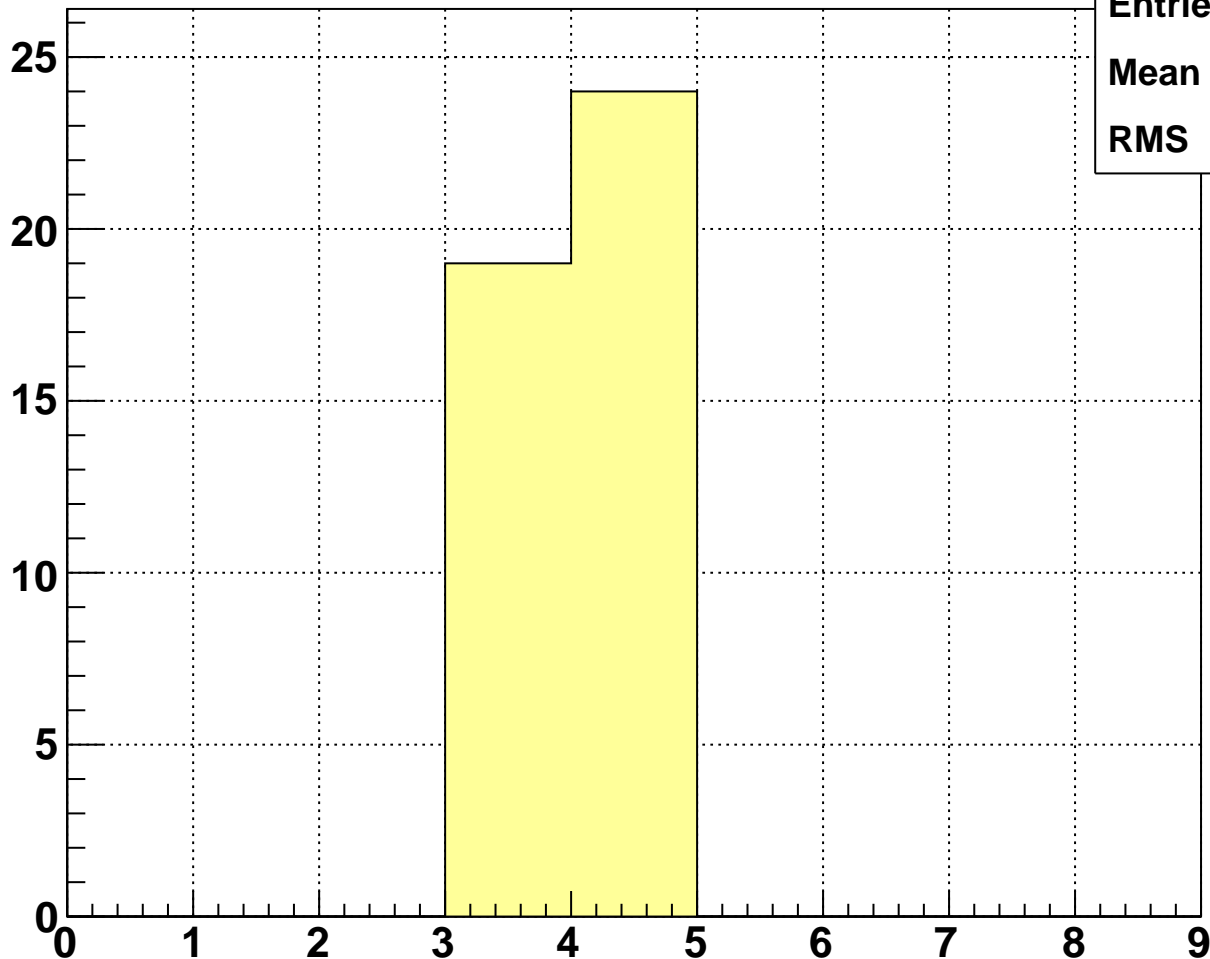
maxTB\_ZS\_Section\_17



Entries	75
Mean	3.72
RMS	0.6442

# FST - Max time bin (ZS), RDO2\_ARM1\_PORT1\_SEC0

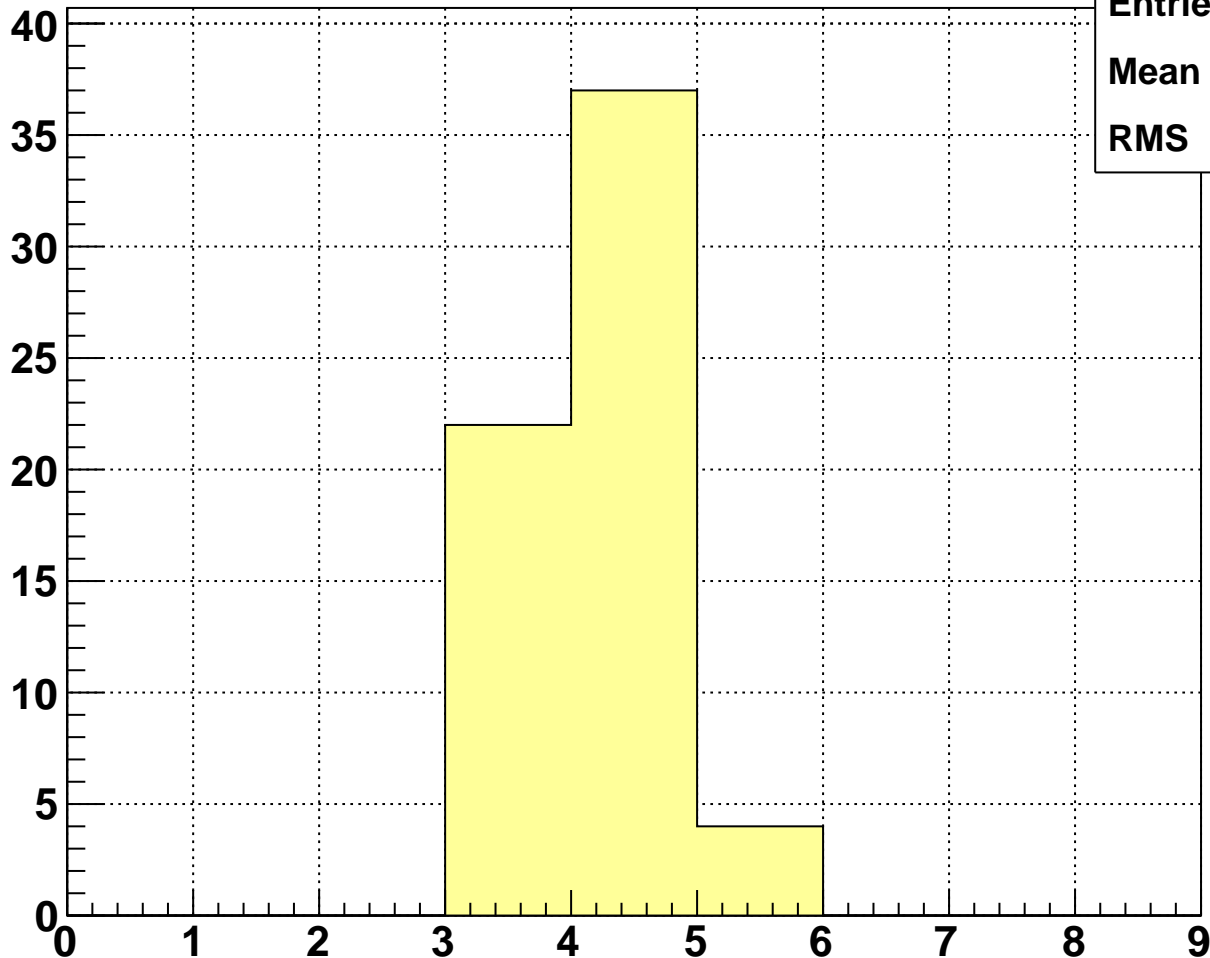
maxTB\_ZS\_Section\_18



Entries	43
Mean	3.558
RMS	0.4966

# FST - Max time bin (ZS), RDO2\_ARM1\_PORT1\_SEC1

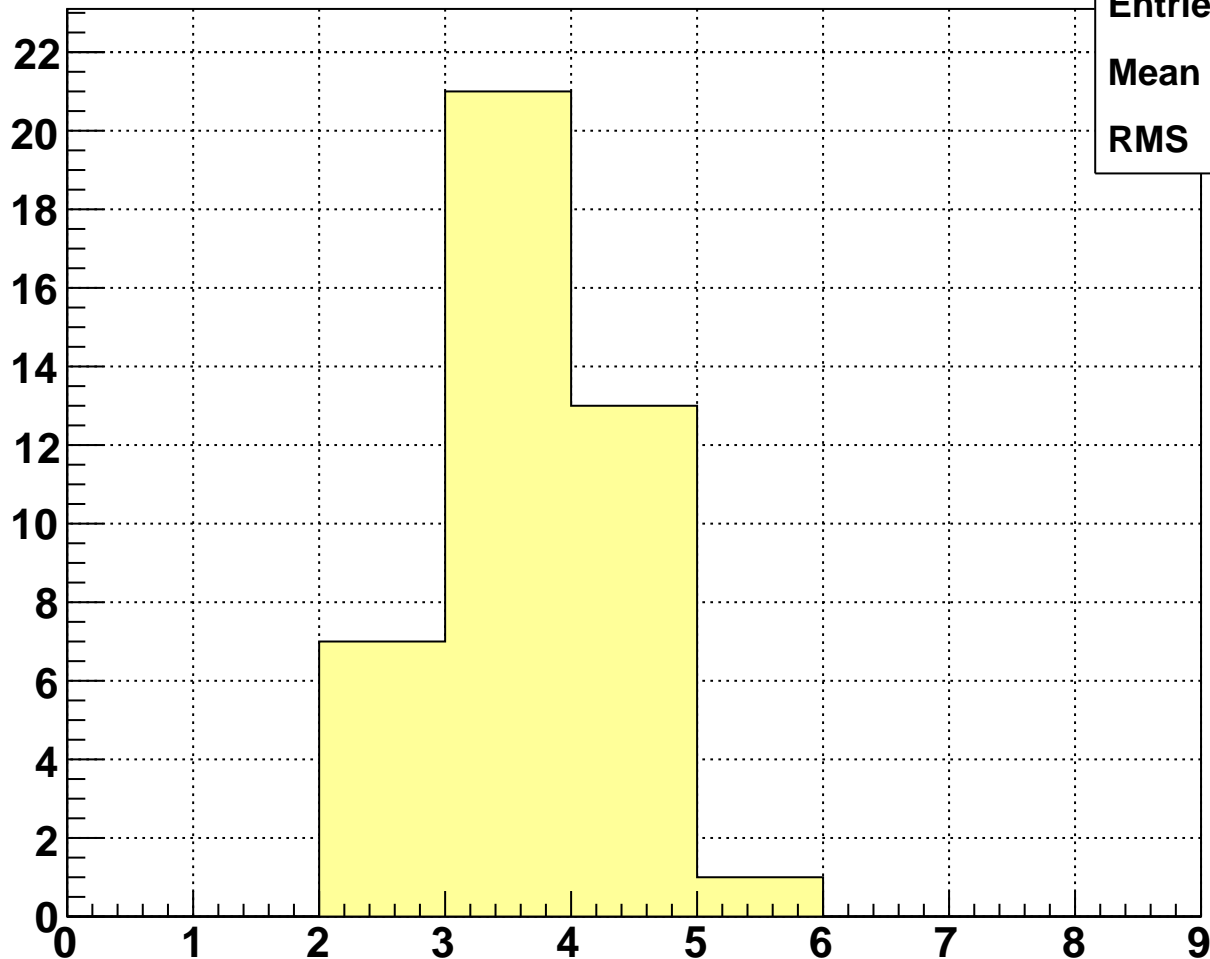
maxTB\_ZS\_Section\_19



Entries	63
Mean	3.714
RMS	0.5754

# FST - Max time bin (ZS), RDO2\_ARM2\_PORT0\_SEC0

maxTB\_ZS\_Section\_20

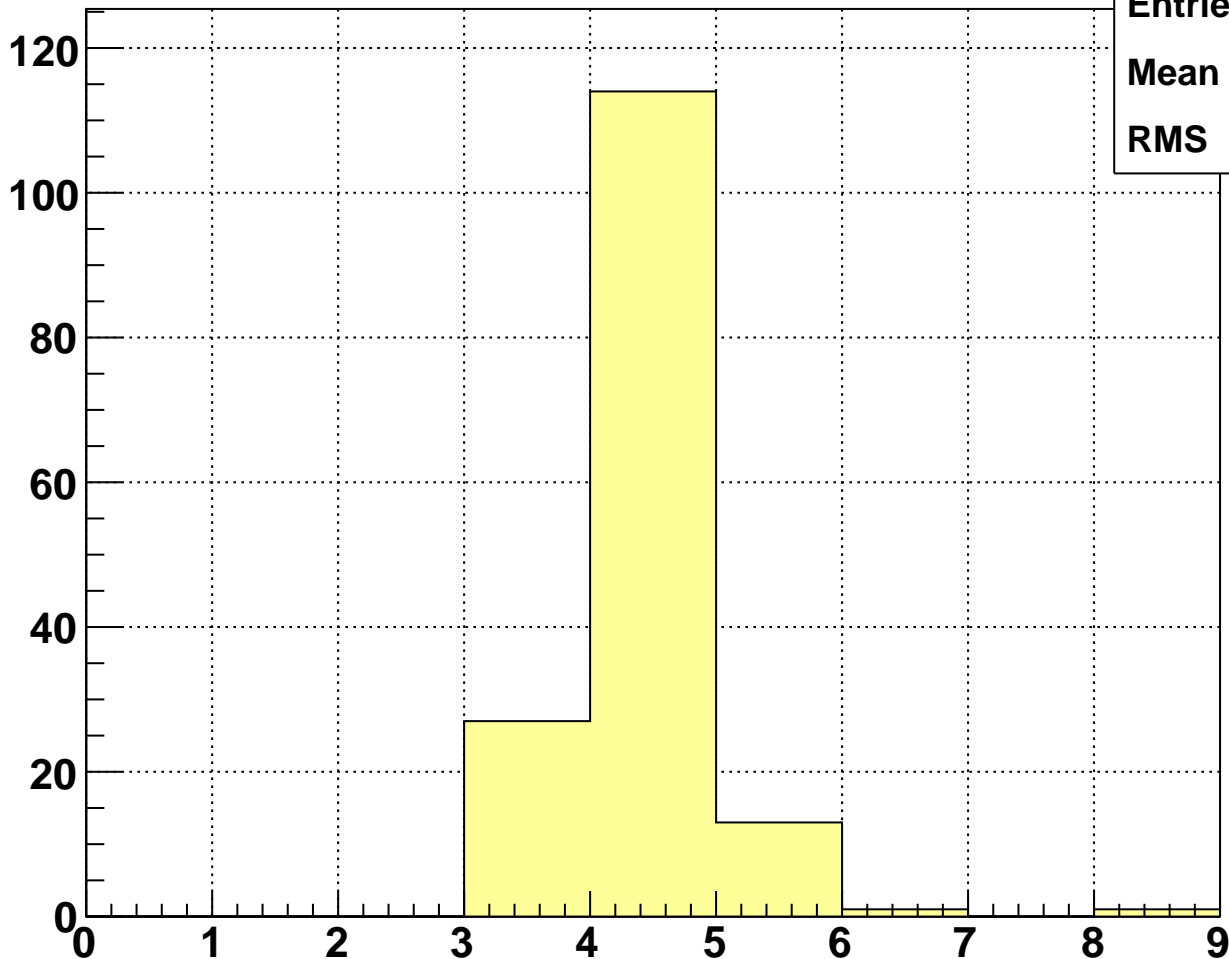


Entries	42
Mean	3.19
RMS	0.7315

# FST - Max time bin (ZS), RDO2\_ARM2\_PORT0\_SEC1

maxTB\_ZS\_Section\_21

<b>Entries</b>	<b>156</b>
<b>Mean</b>	<b>3.949</b>
<b>RMS</b>	<b>0.618</b>



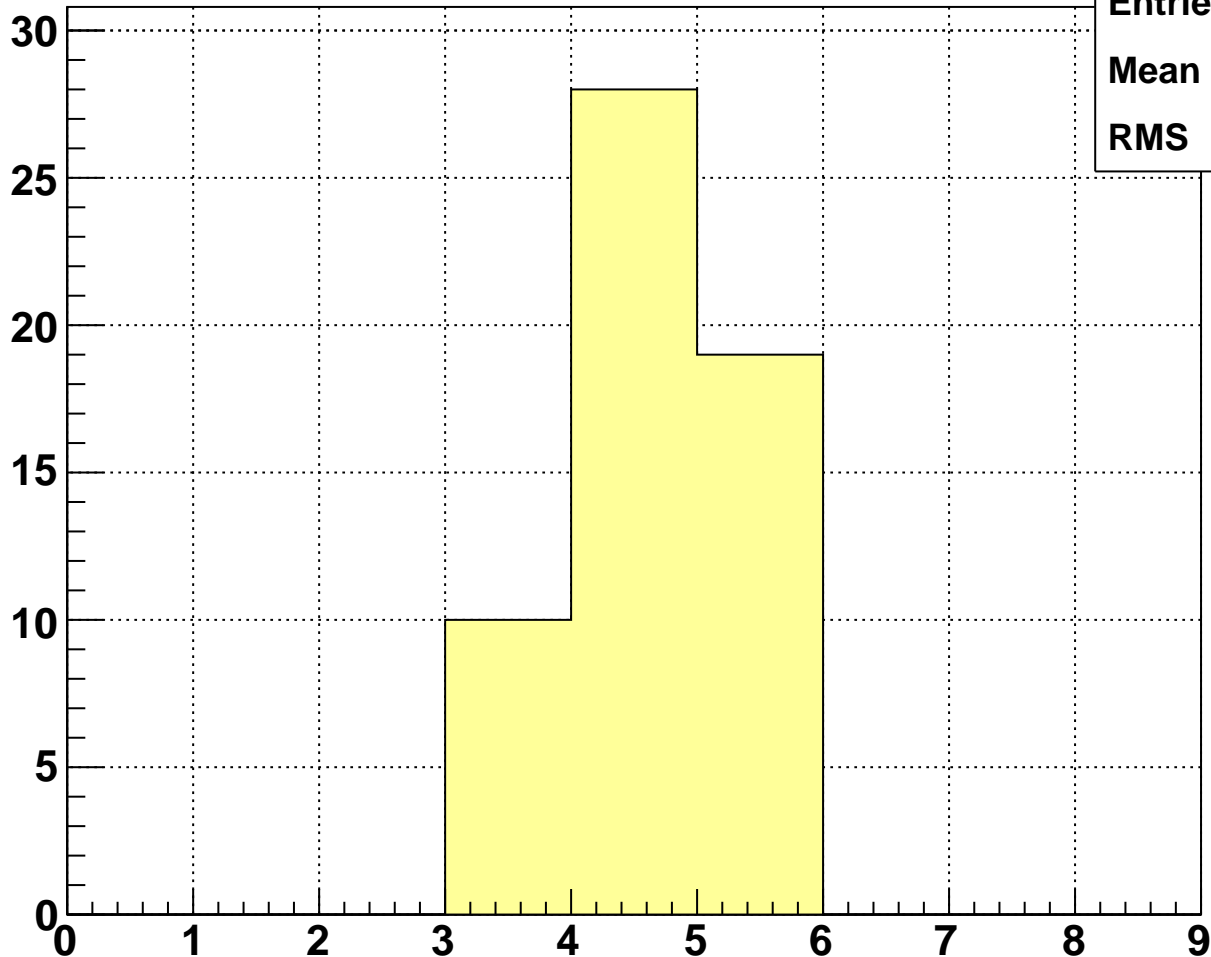
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# FST - Max time bin (ZS), RDO2\_ARM2\_PORT1\_SEC0

maxTB\_ZS\_Section\_22

<b>Entries</b>	<b>57</b>
<b>Mean</b>	<b>4.158</b>
<b>RMS</b>	<b>0.6956</b>

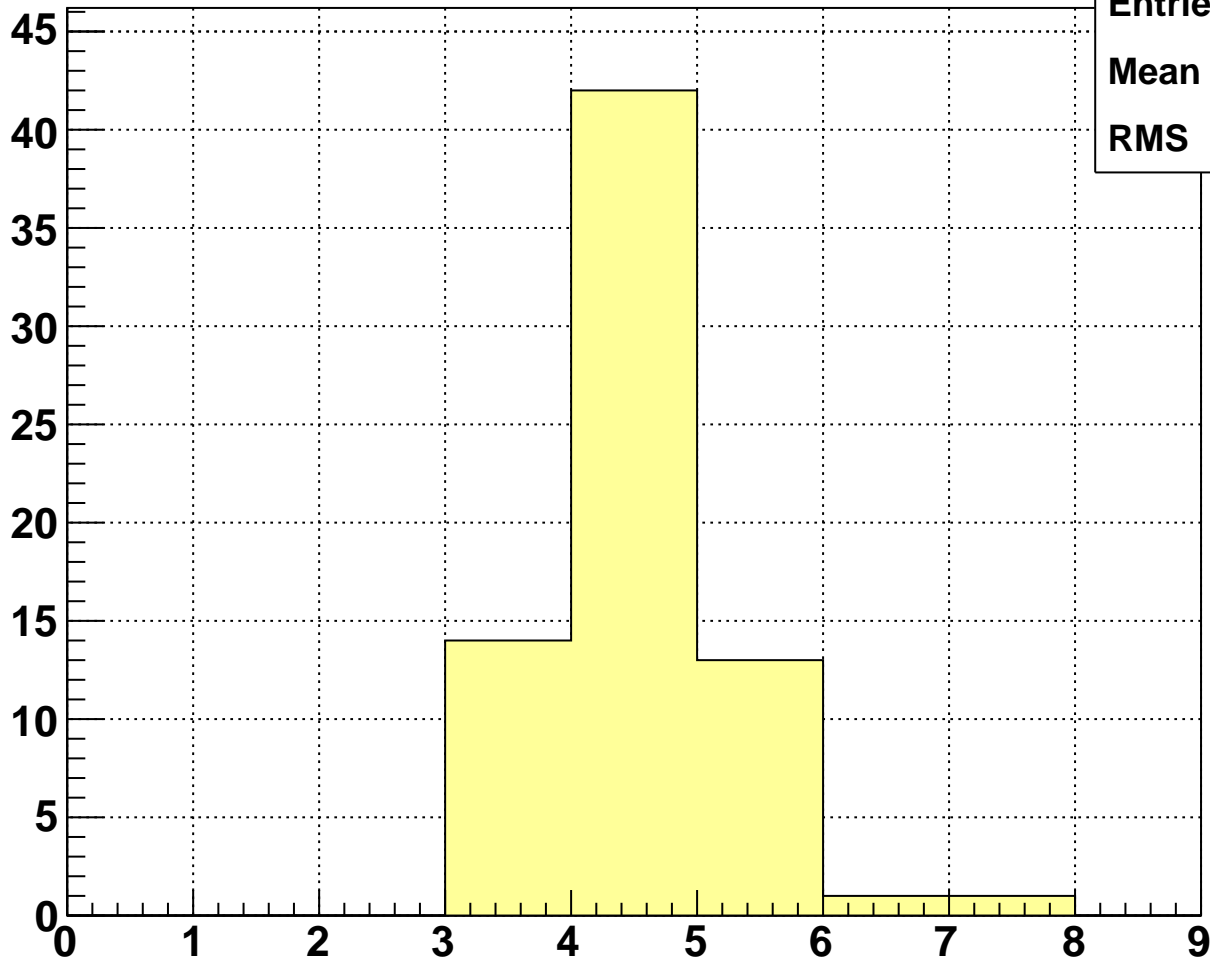


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# FST - Max time bin (ZS), RDO2\_ARM2\_PORT1\_SEC1

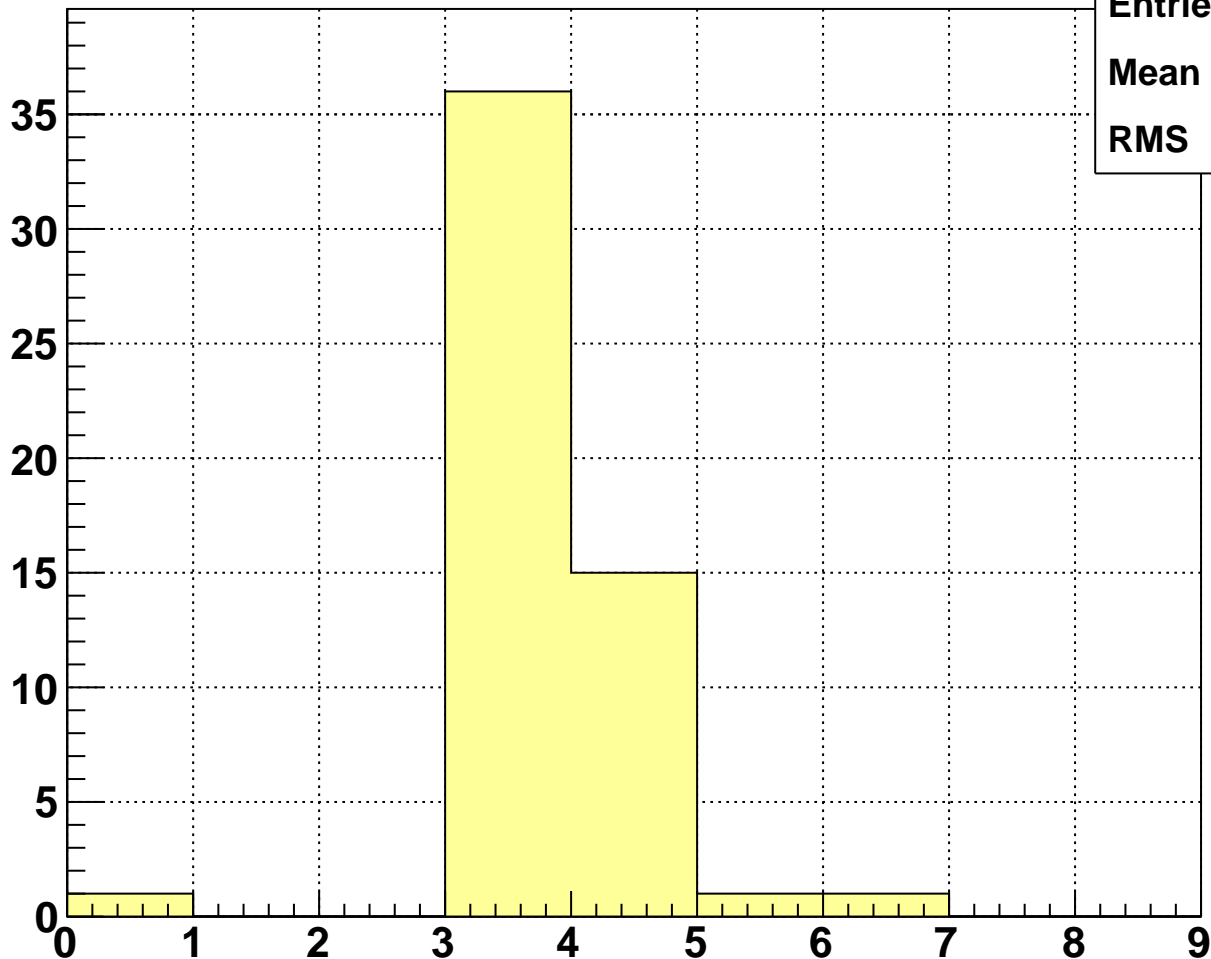
maxTB\_ZS\_Section\_23



Entries	71
Mean	4.056
RMS	0.7485

# FST - Max time bin (ZS), RDO3\_ARM0\_PORT0\_SEC0

maxTB\_ZS\_Section\_24

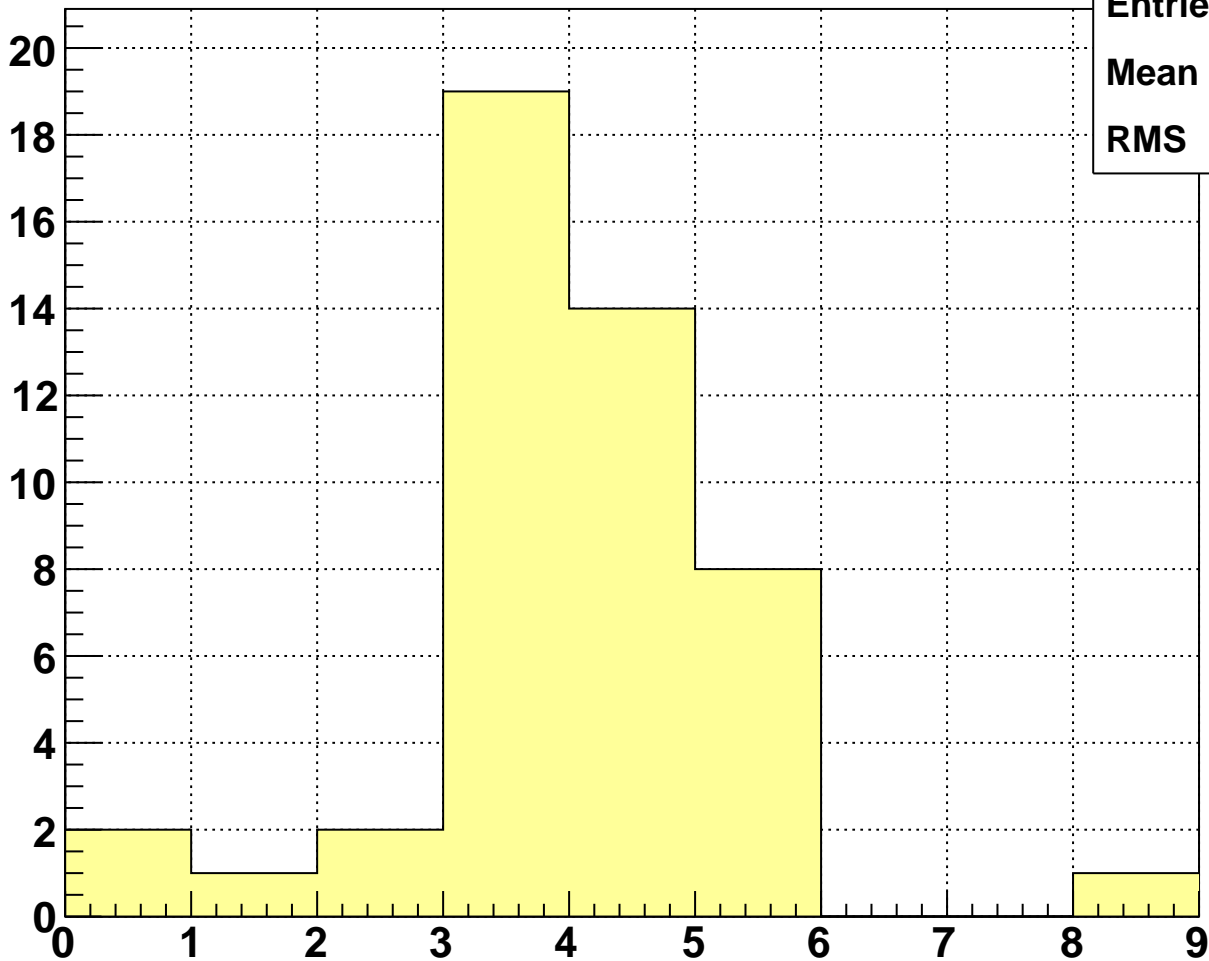


Entries	54
Mean	3.315
RMS	0.7656



# FST - Max time bin (ZS), RDO3\_ARM0\_PORT0\_SEC1

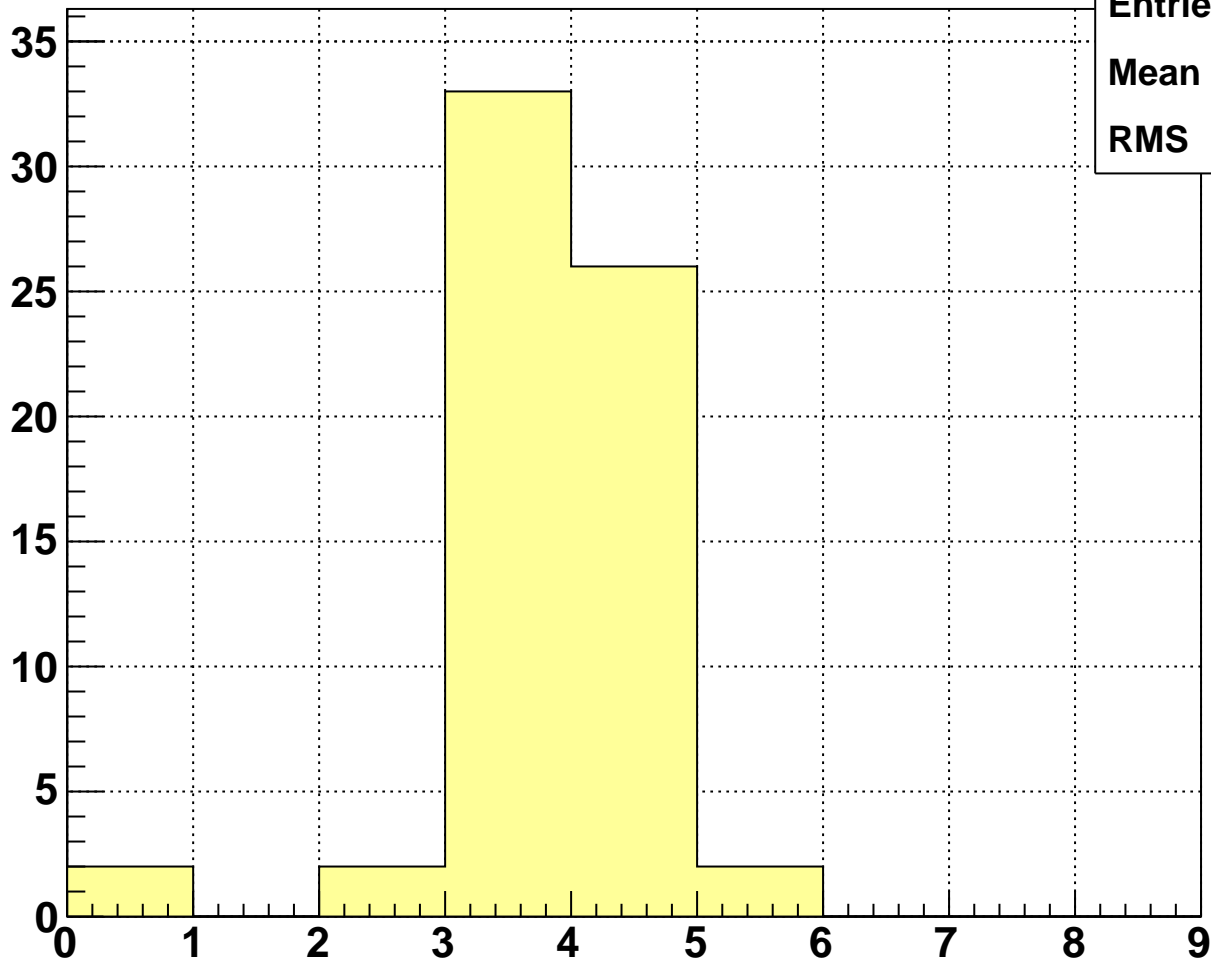
maxTB\_ZS\_Section\_25



Entries	47
Mean	3.532
RMS	1.318

# FST - Max time bin (ZS), RDO3\_ARM0\_PORT1\_SEC0

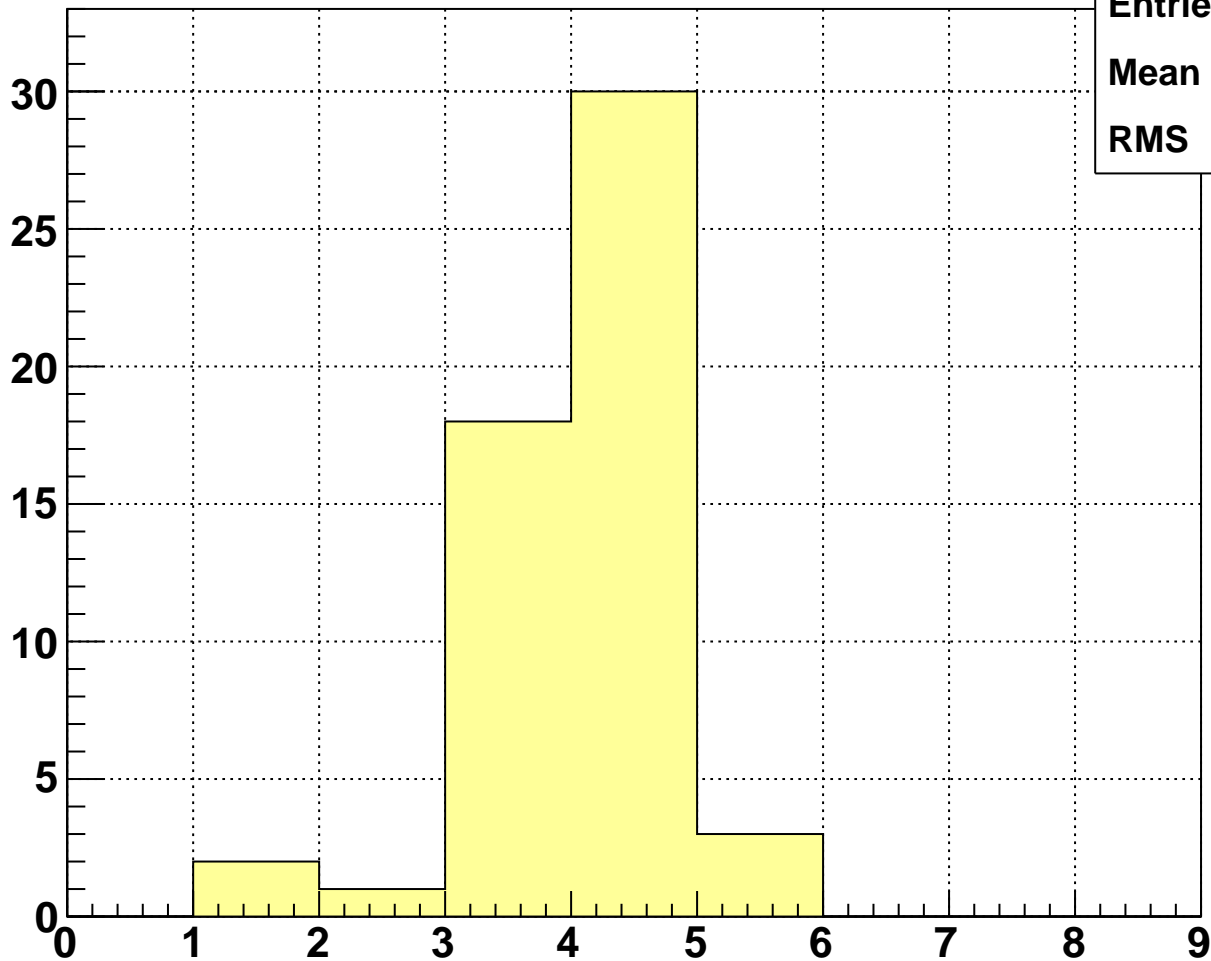
maxTB\_ZS\_Section\_26



Entries	65
Mean	3.338
RMS	0.8463

# FST - Max time bin (ZS), RDO3\_ARM0\_PORT1\_SEC1

maxTB\_ZS\_Section\_27



Entries	54
Mean	3.574
RMS	0.7841

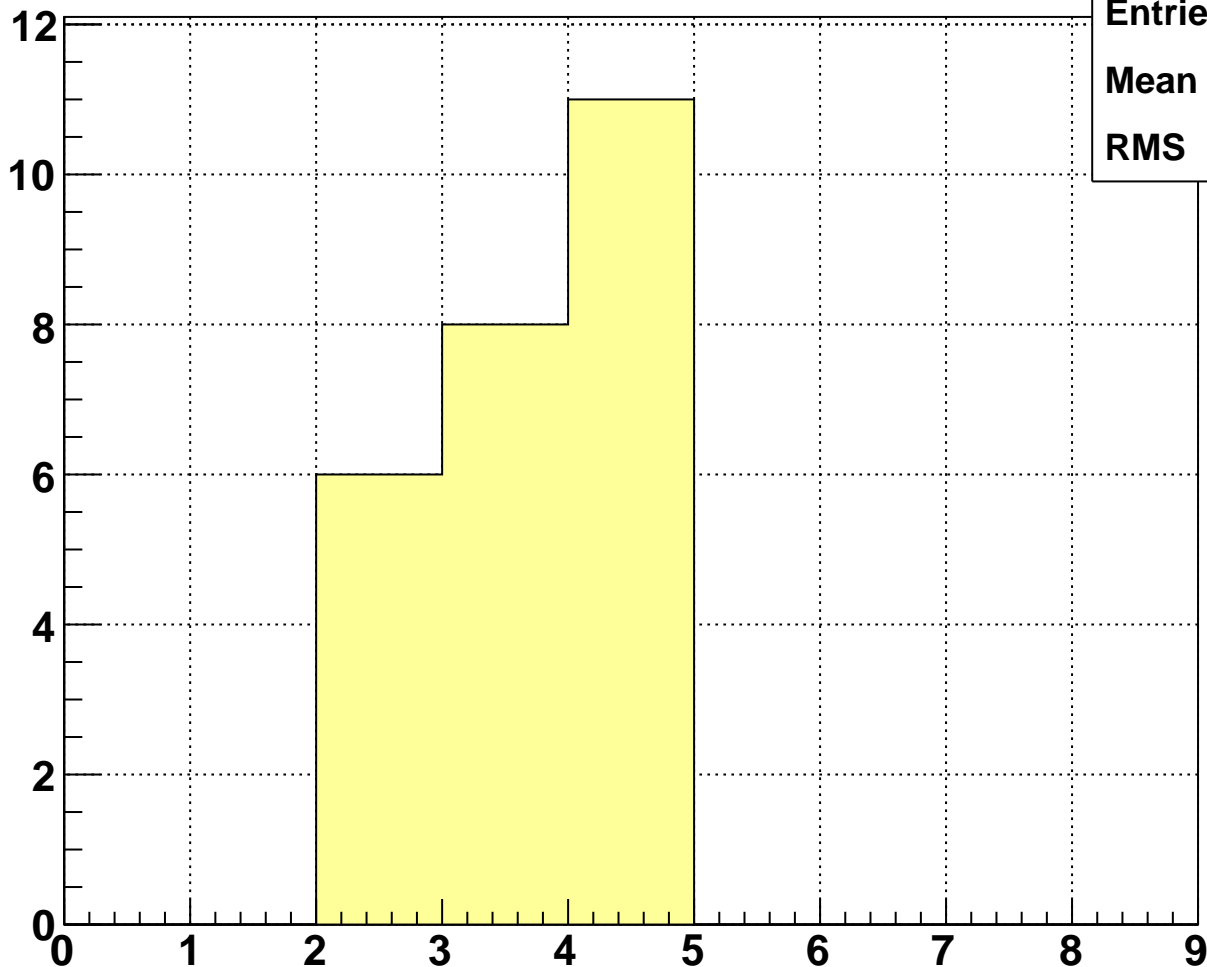
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# FST - Max time bin (ZS), RDO3\_ARM1\_PORT0\_SEC0

maxTB\_ZS\_Section\_28

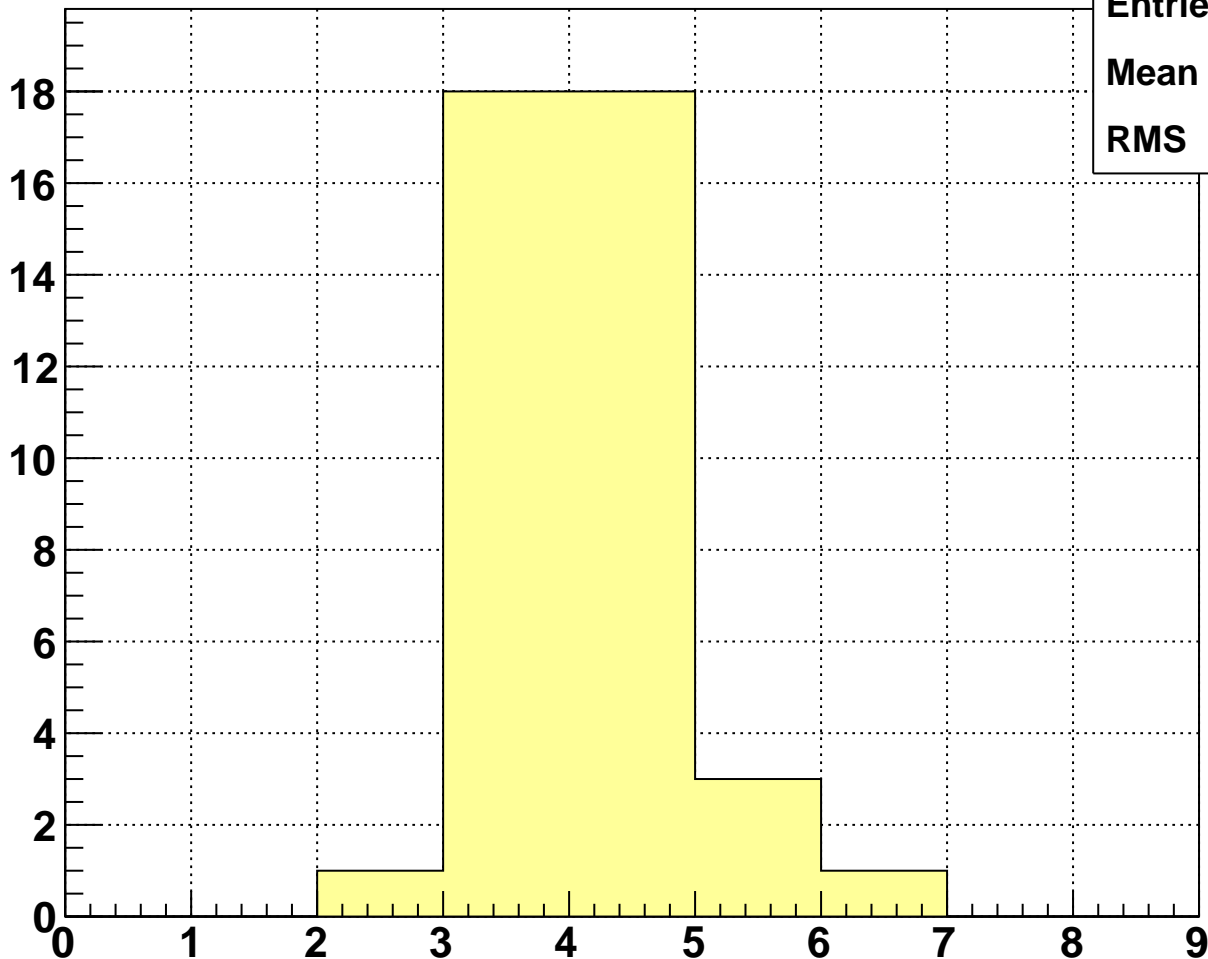
<b>Entries</b>	<b>25</b>
<b>Mean</b>	<b>3.2</b>
<b>RMS</b>	<b>0.8</b>



# FST - Max time bin (ZS), RDO3\_ARM1\_PORT0\_SEC1

maxTB\_ZS\_Section\_29

<b>Entries</b>	<b>41</b>
<b>Mean</b>	<b>3.634</b>
<b>RMS</b>	<b>0.7573</b>

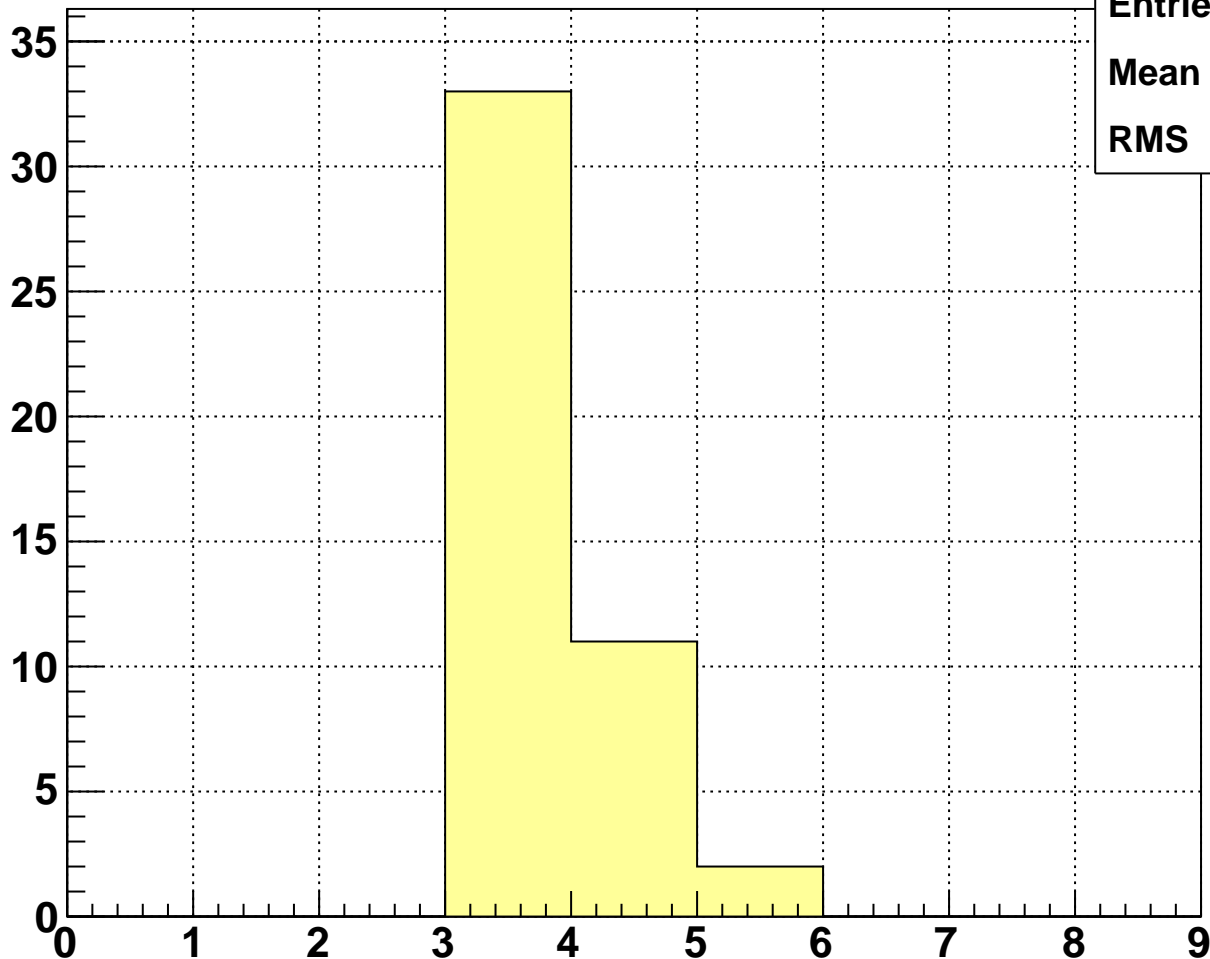


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# FST - Max time bin (ZS), RDO3\_ARM1\_PORT1\_SEC0

maxTB\_ZS\_Section\_30

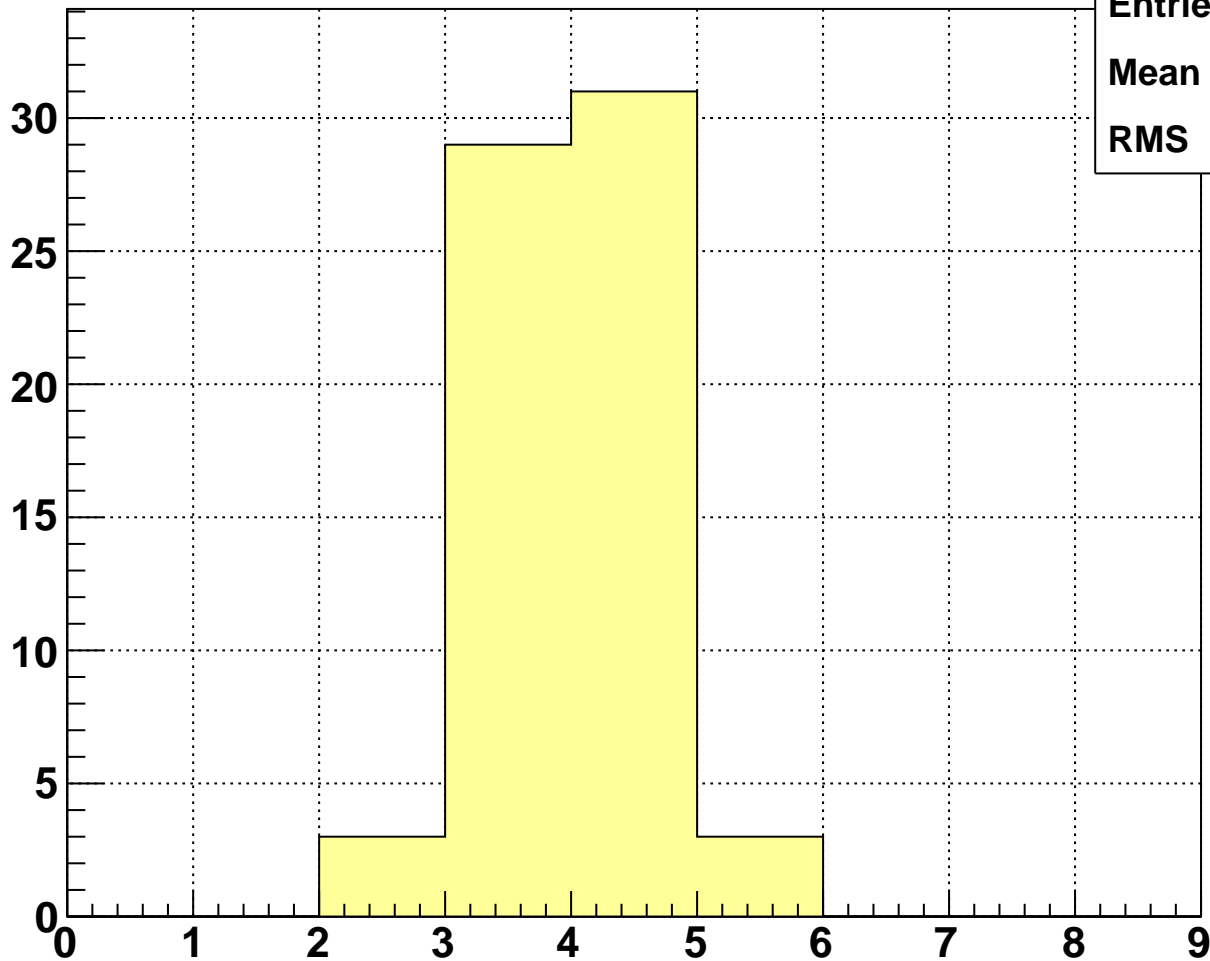


Entries	46
Mean	3.326
RMS	0.5538

# FST - Max time bin (ZS), RDO3\_ARM1\_PORT1\_SEC1

maxTB\_ZS\_Section\_31

<b>Entries</b>	<b>66</b>
<b>Mean</b>	<b>3.515</b>
<b>RMS</b>	<b>0.657</b>

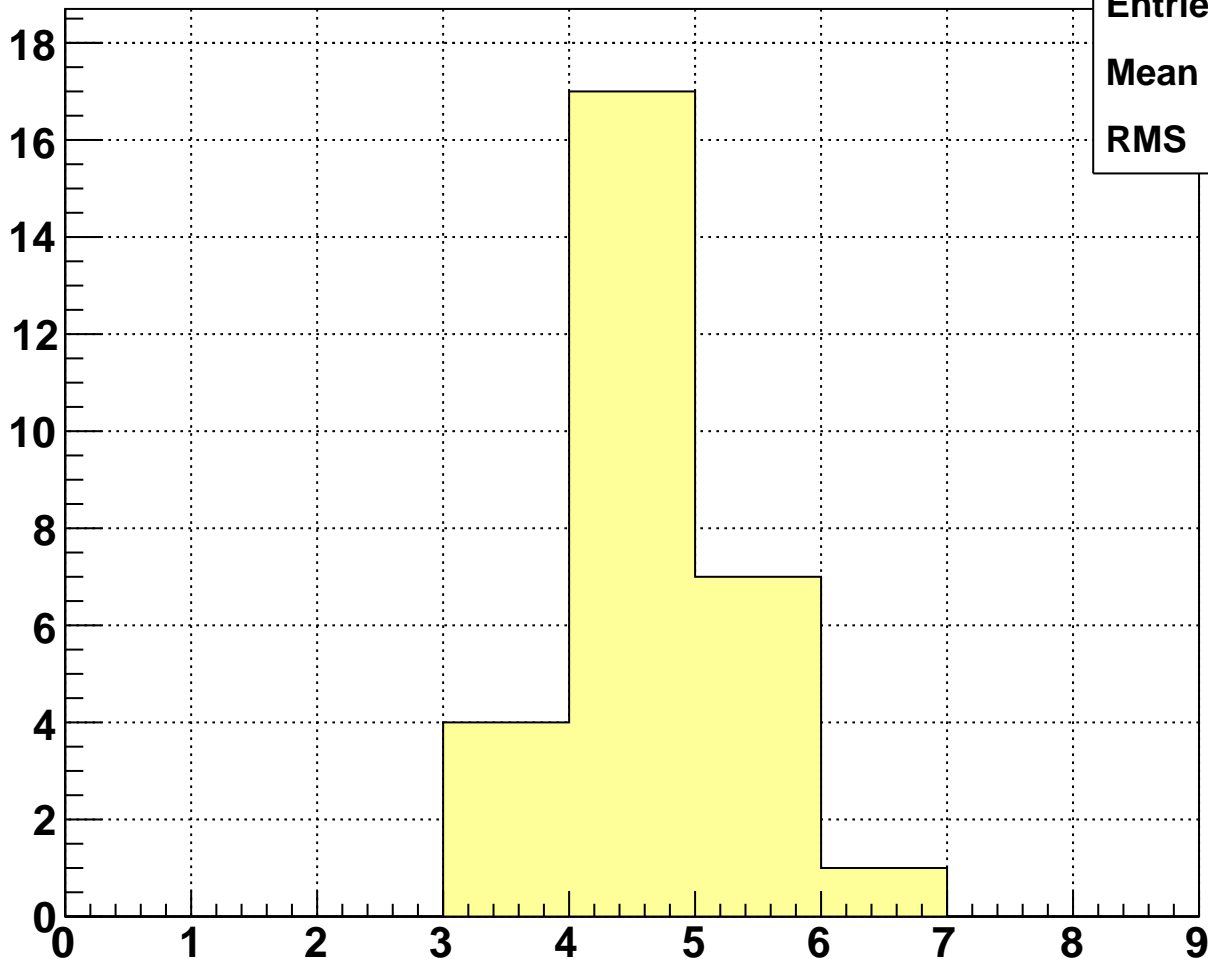


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# FST - Max time bin (ZS), RDO3\_ARM2\_PORT0\_SEC0

maxTB\_ZS\_Section\_32

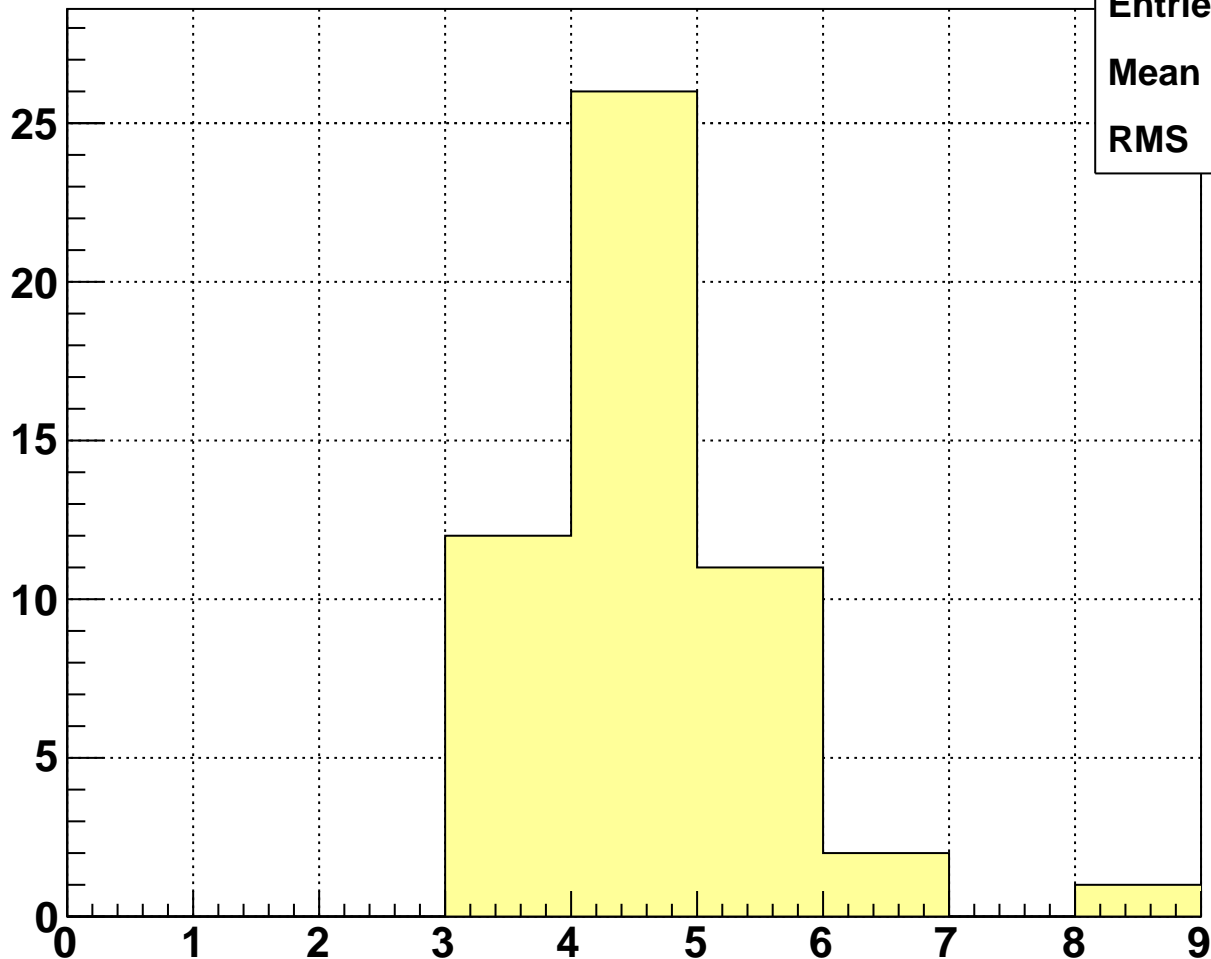


Entries	29
Mean	4.172
RMS	0.6982



# FST - Max time bin (ZS), RDO3\_ARM2\_PORT0\_SEC1

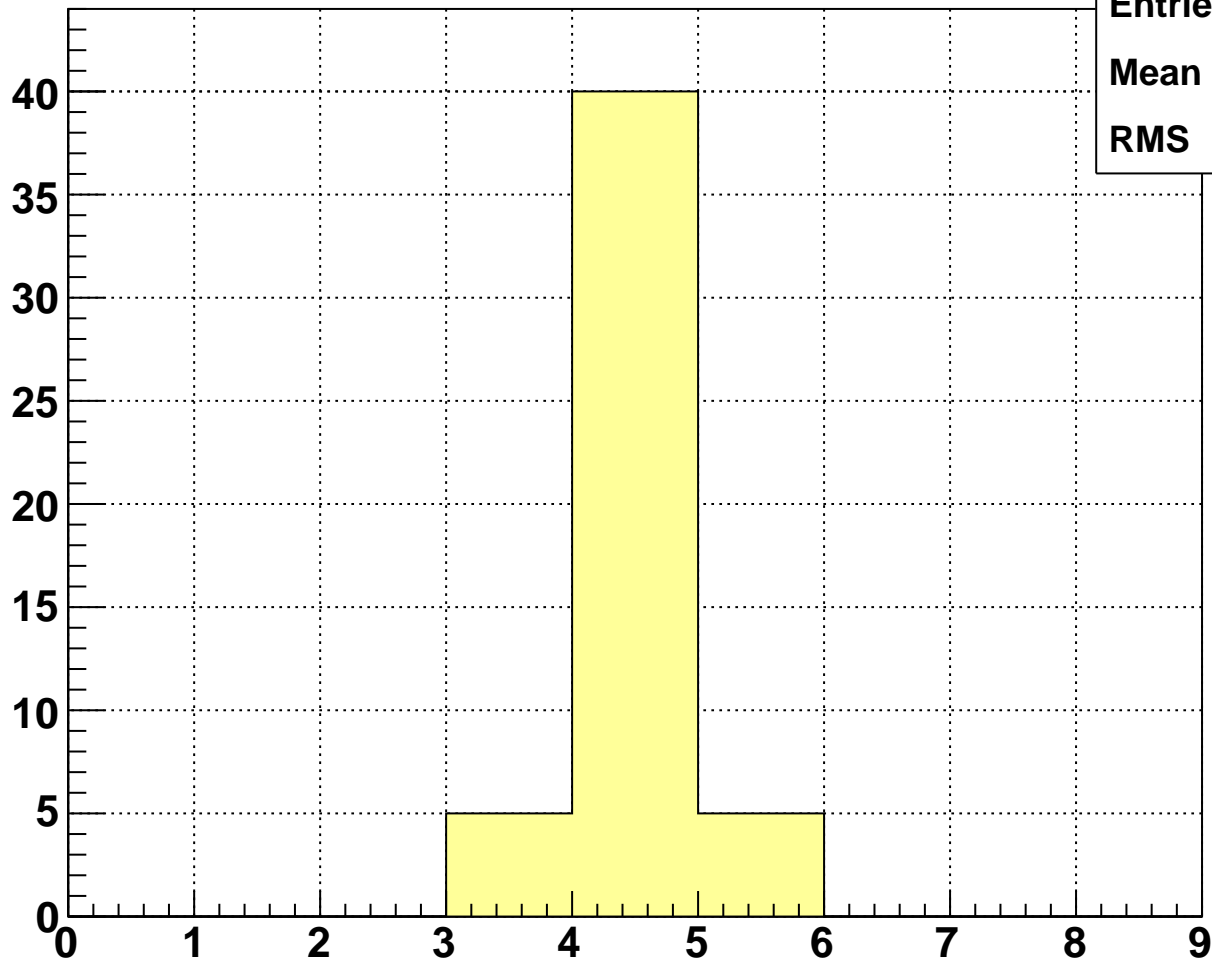
maxTB\_ZS\_Section\_33



Entries	52
Mean	4.135
RMS	0.9411

# FST - Max time bin (ZS), RDO3\_ARM2\_PORT1\_SEC0

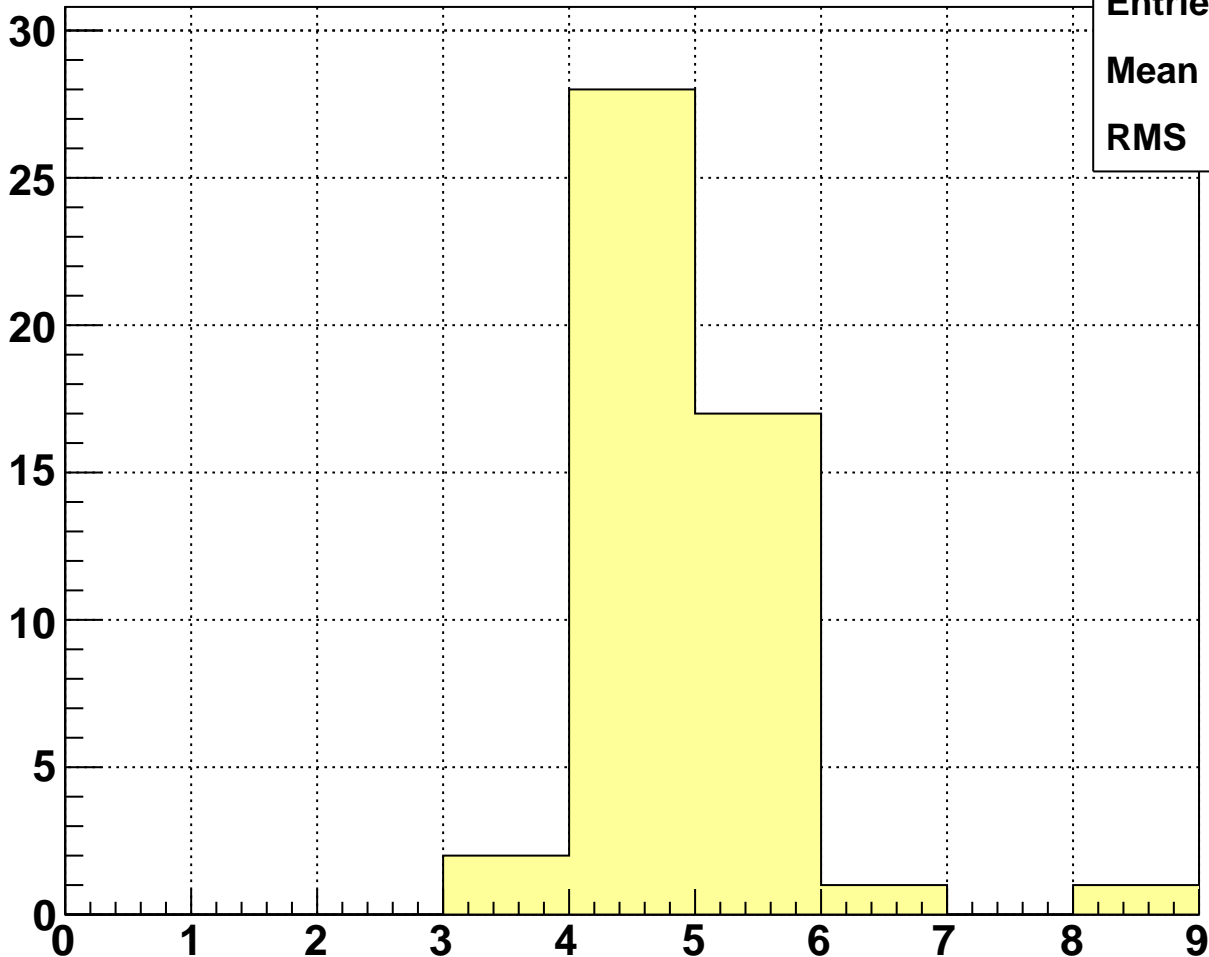
maxTB\_ZS\_Section\_34



Entries	50
Mean	4
RMS	0.4472

# FST - Max time bin (ZS), RDO3\_ARM2\_PORT1\_SEC1

maxTB\_ZS\_Section\_35

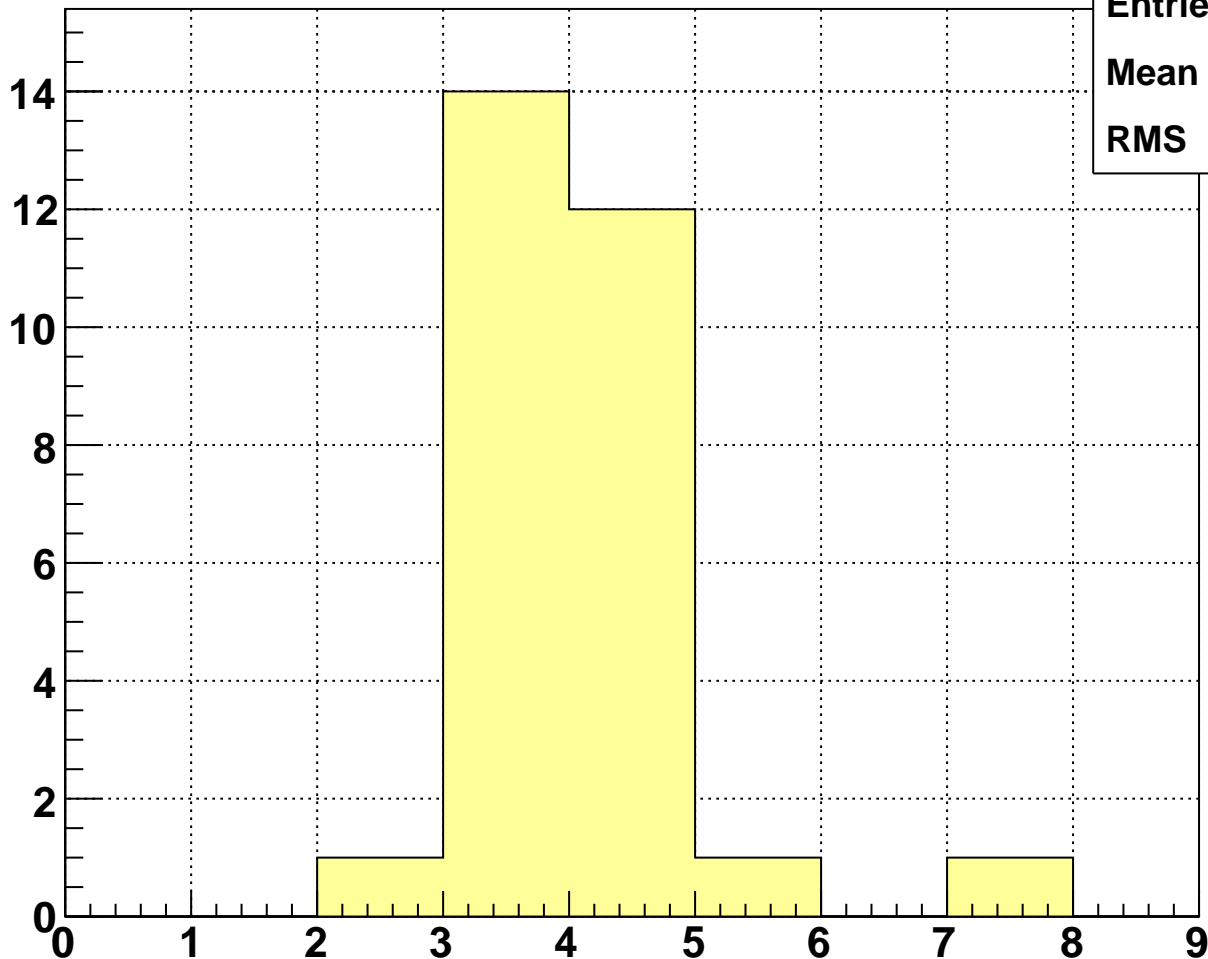


Entries	49
Mean	4.429
RMS	0.7825

# FST - Max time bin (ZS), RDO4\_ARM0\_PORT0\_SEC0

maxTB\_ZS\_Section\_36

<b>Entries</b>	<b>29</b>
<b>Mean</b>	<b>3.586</b>
<b>RMS</b>	<b>0.8912</b>

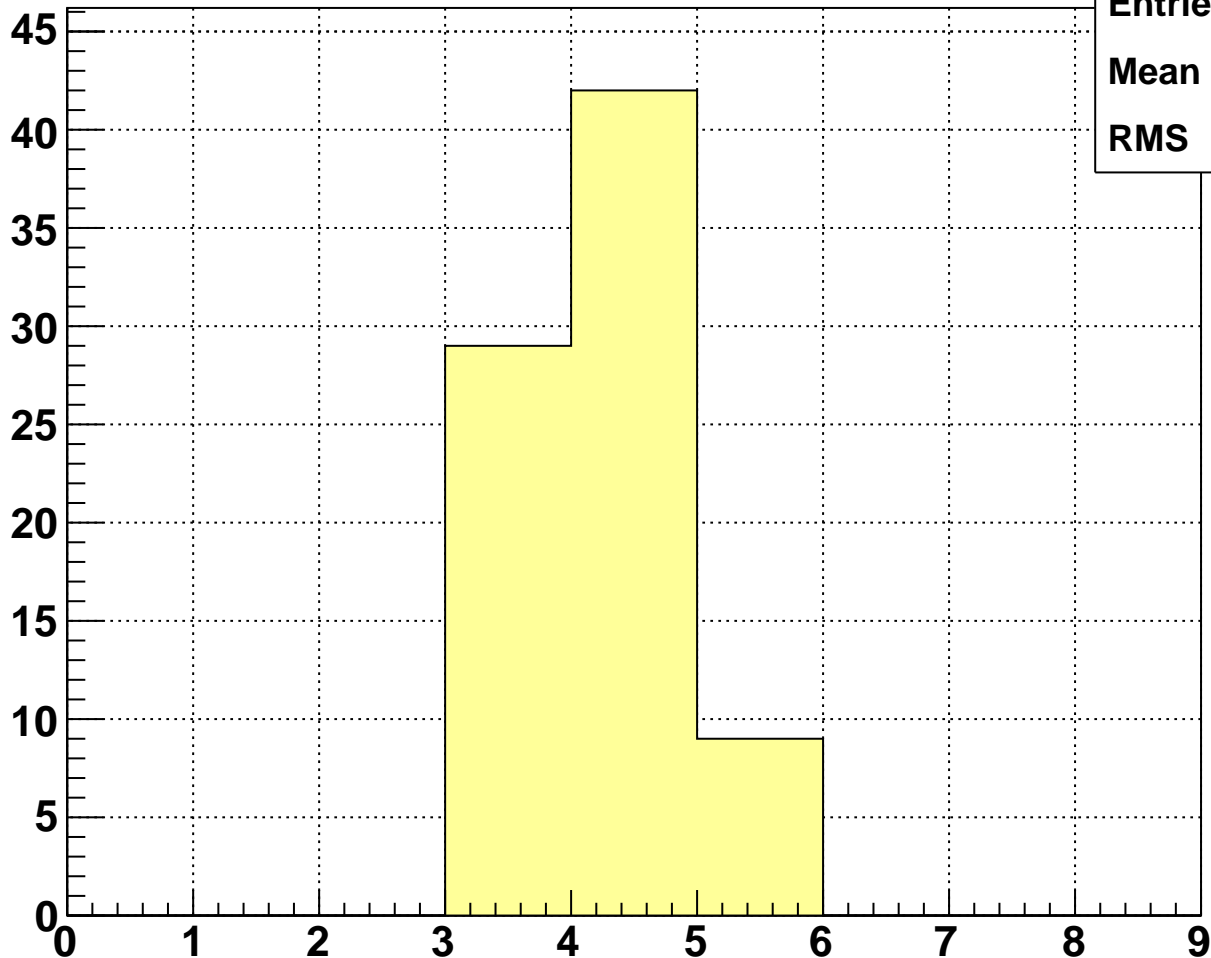


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# FST - Max time bin (ZS), RDO4\_ARM0\_PORT0\_SEC1

maxTB\_ZS\_Section\_37

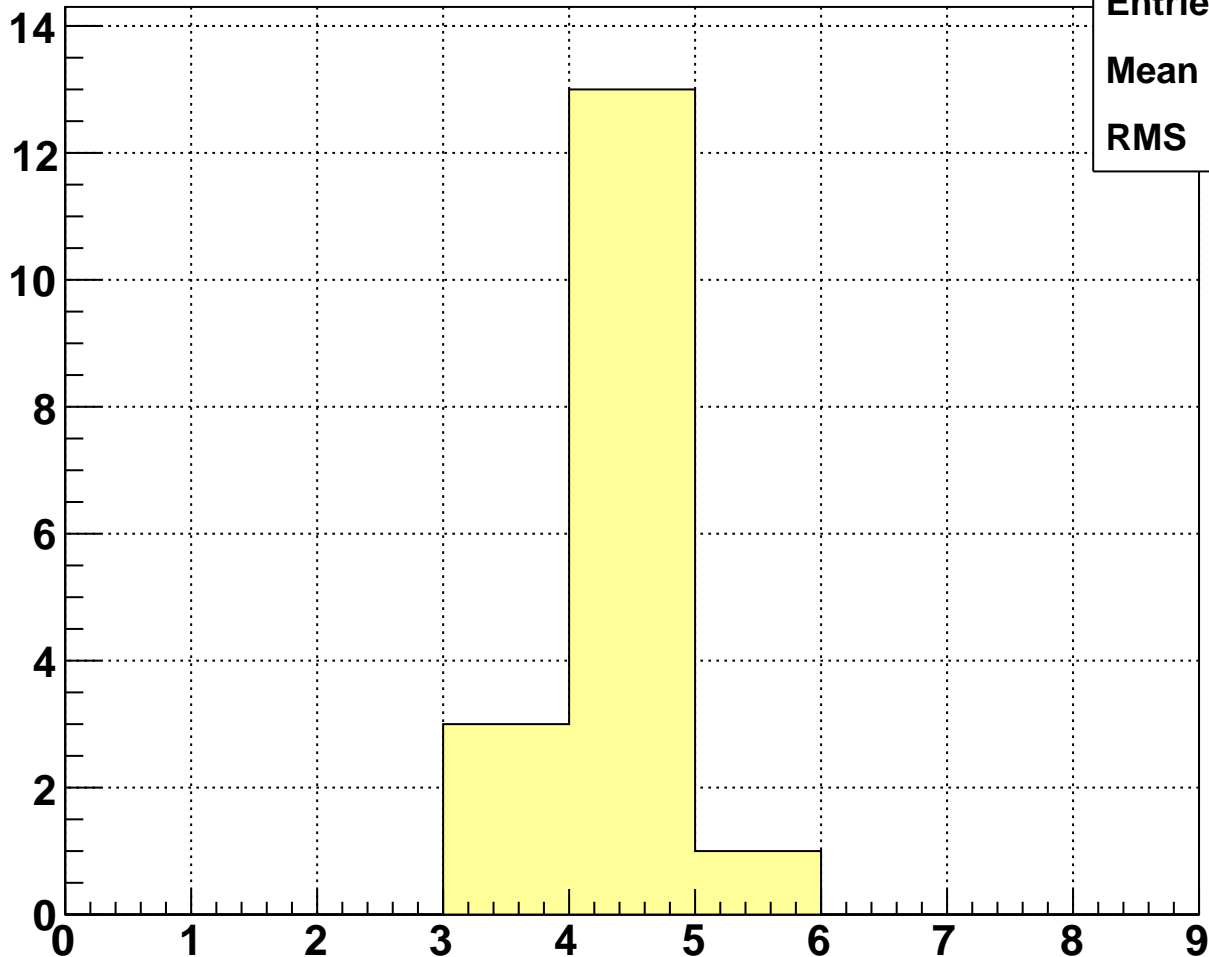


Entries	80
Mean	3.75
RMS	0.6423

# FST - Max time bin (ZS), RDO4\_ARM0\_PORT1\_SEC0

maxTB\_ZS\_Section\_38

<b>Entries</b>	<b>17</b>
<b>Mean</b>	<b>3.882</b>
<b>RMS</b>	<b>0.4706</b>



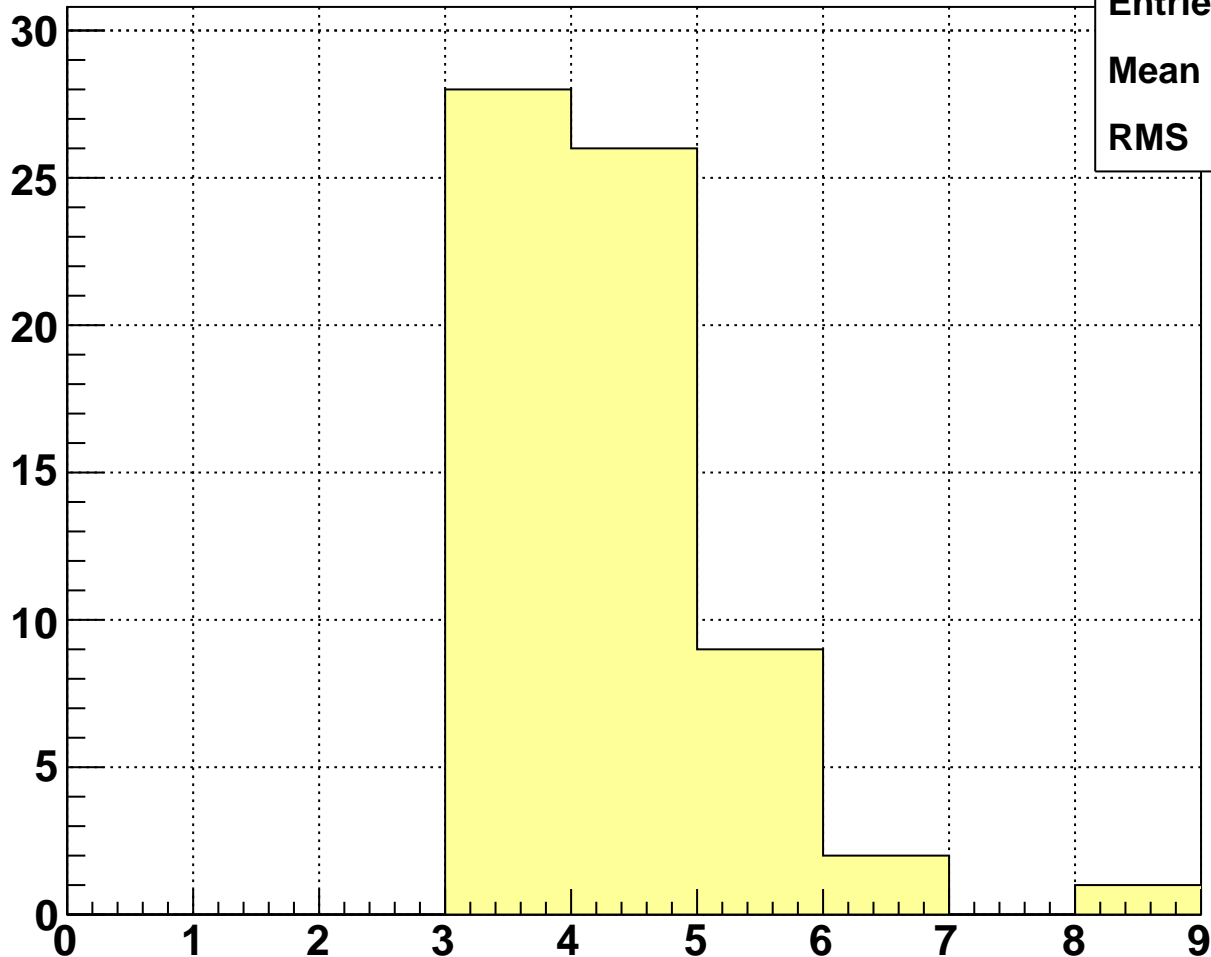
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# FST - Max time bin (ZS), RDO4\_ARM0\_PORT1\_SEC1

maxTB\_ZS\_Section\_39

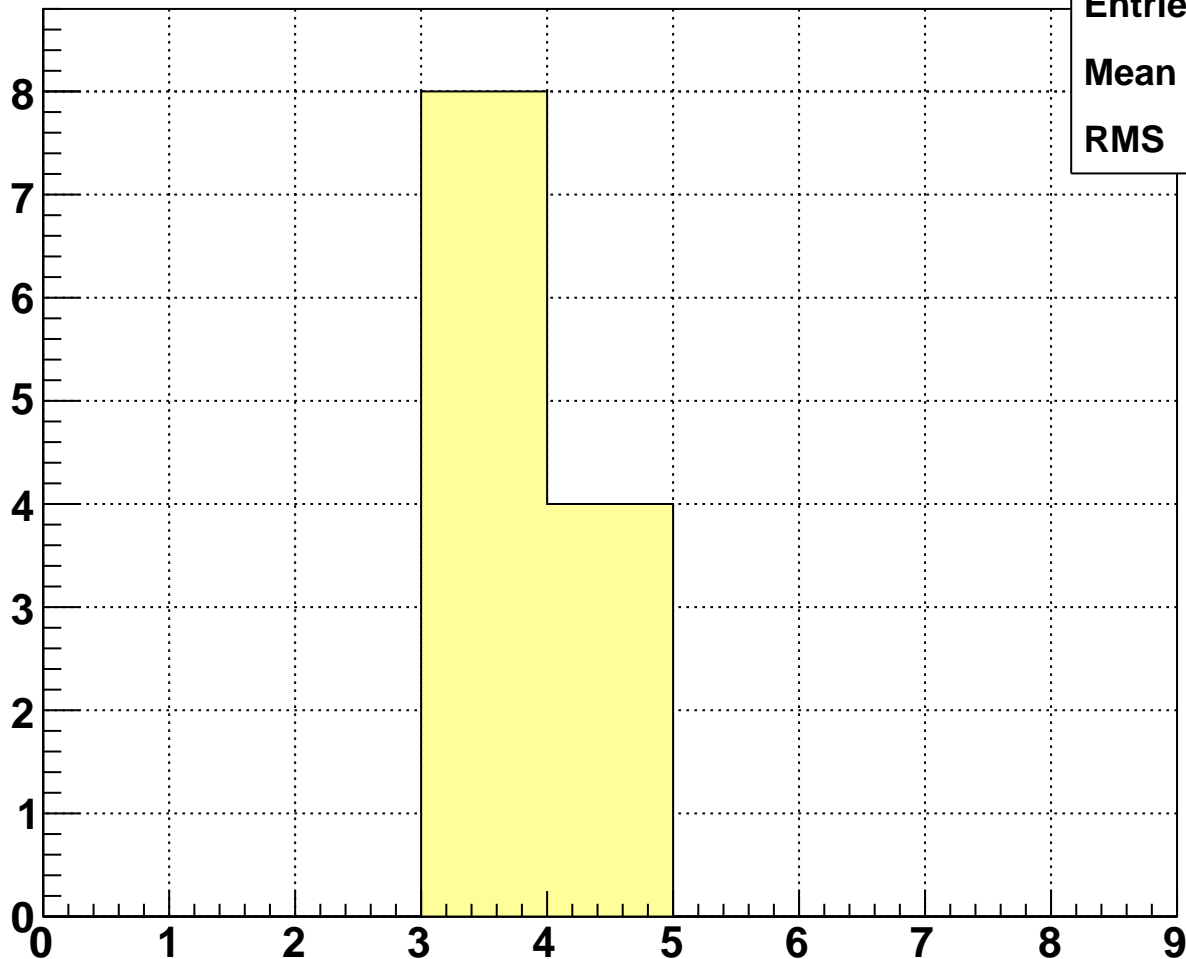
<b>Entries</b>	<b>66</b>
<b>Mean</b>	<b>3.833</b>
<b>RMS</b>	<b>0.9468</b>



# FST - Max time bin (ZS), RDO4\_ARM1\_PORT0\_SEC0

maxTB\_ZS\_Section\_40

<b>Entries</b>	<b>12</b>
<b>Mean</b>	<b>3.333</b>
<b>RMS</b>	<b>0.4714</b>



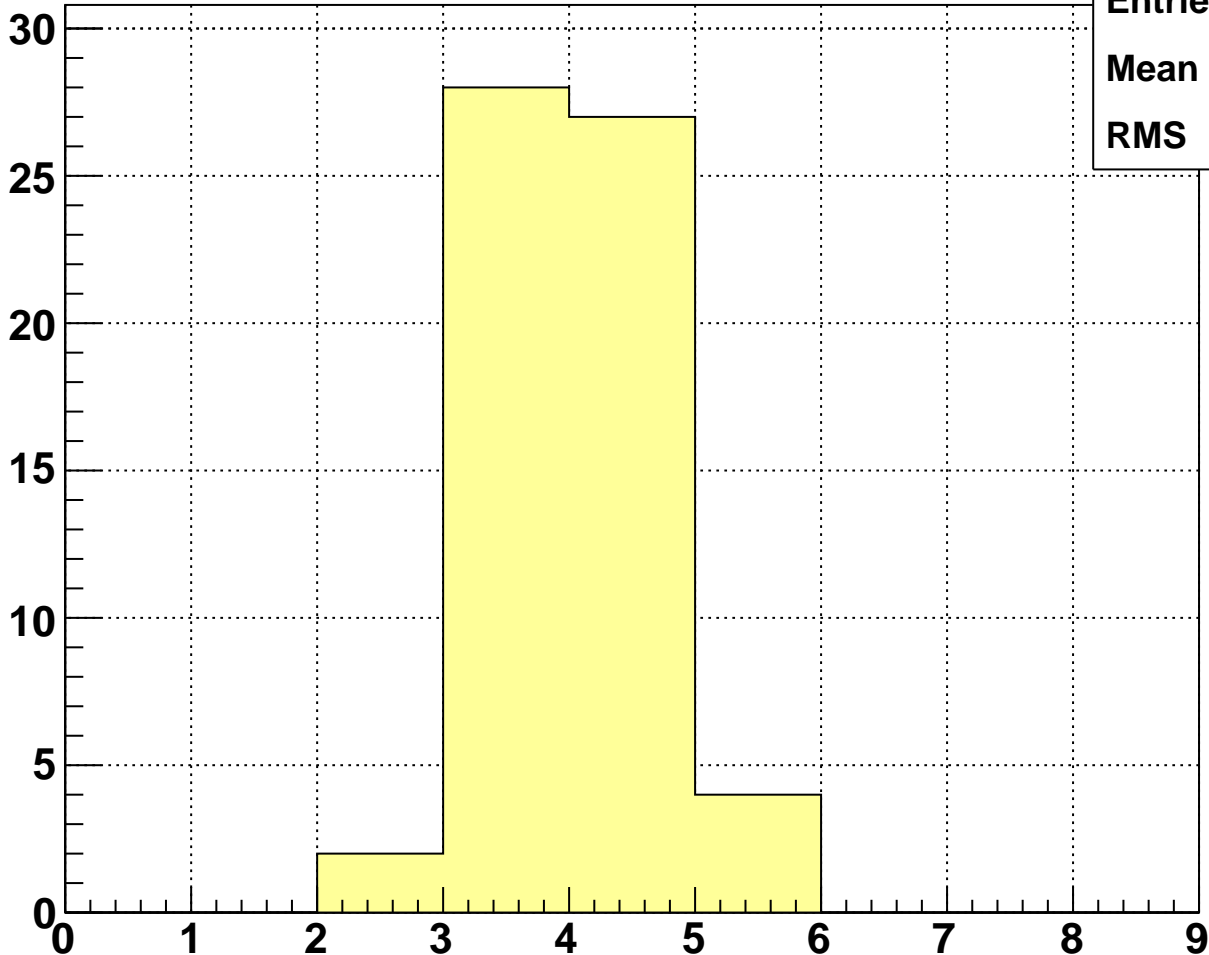
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# FST - Max time bin (ZS), RDO4\_ARM1\_PORT0\_SEC1

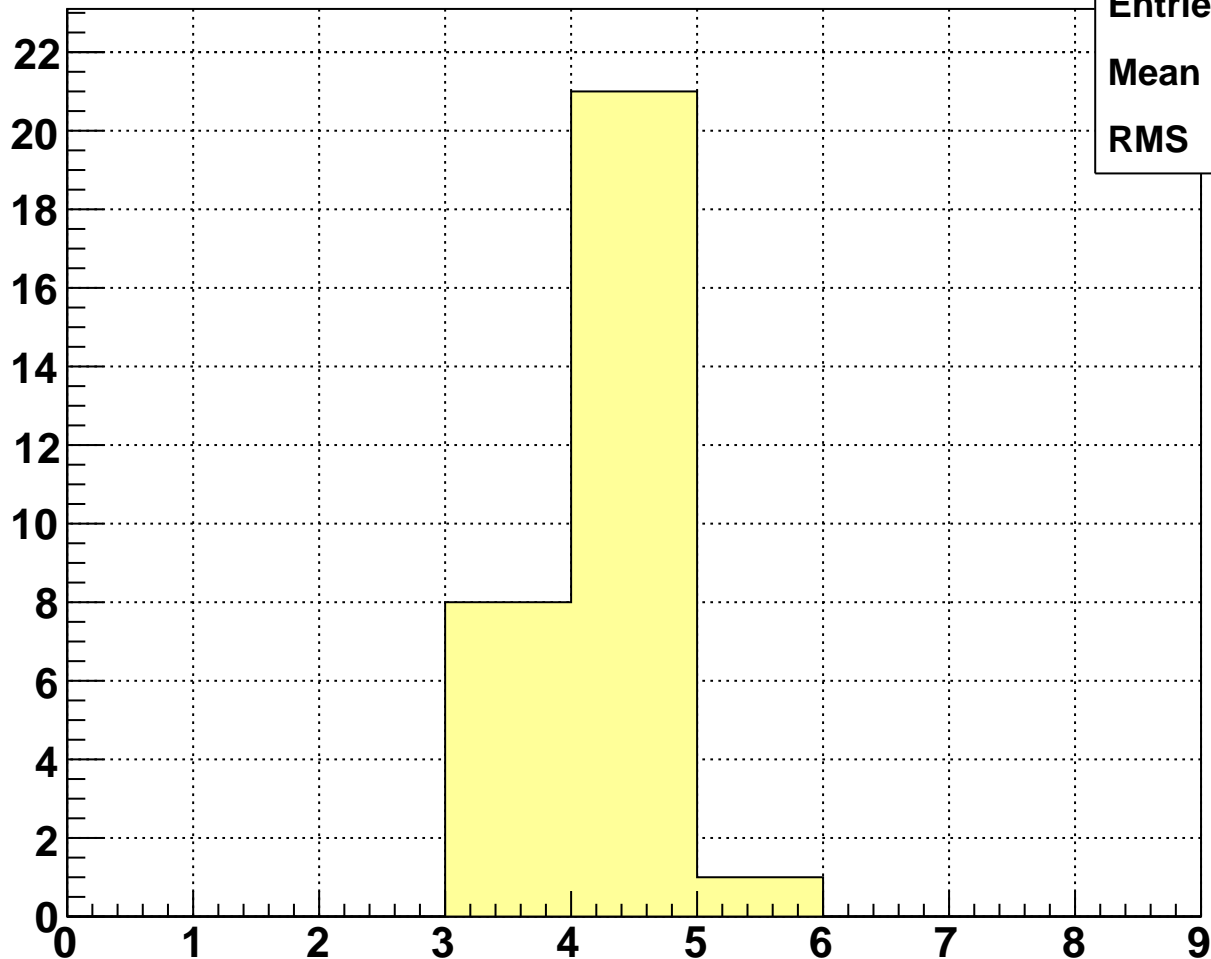
maxTB\_ZS\_Section\_41



Entries	61
Mean	3.541
RMS	0.6671

# FST - Max time bin (ZS), RDO4\_ARM1\_PORT1\_SEC0

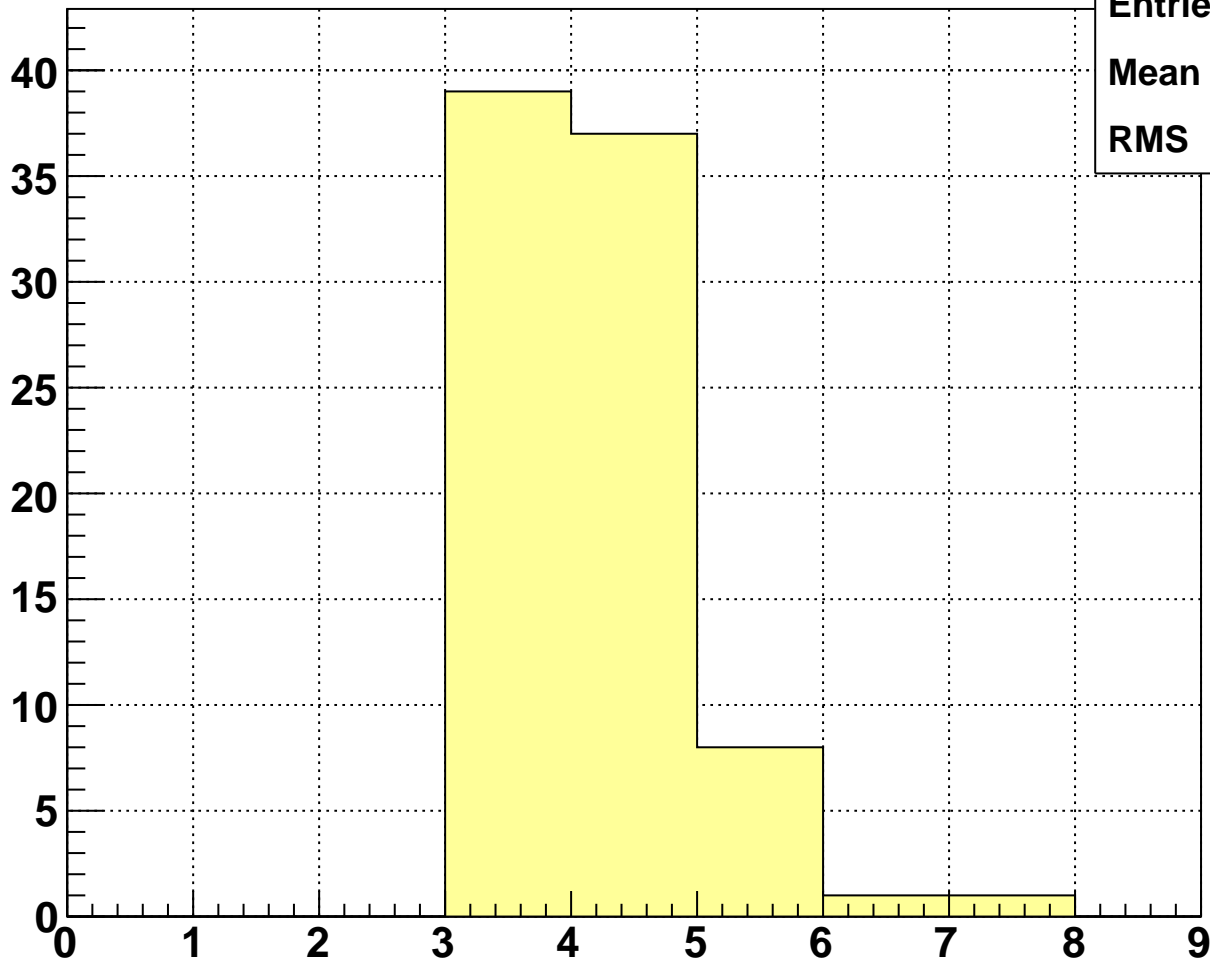
maxTB\_ZS\_Section\_42



Entries	30
Mean	3.767
RMS	0.4955

# FST - Max time bin (ZS), RDO4\_ARM1\_PORT1\_SEC1

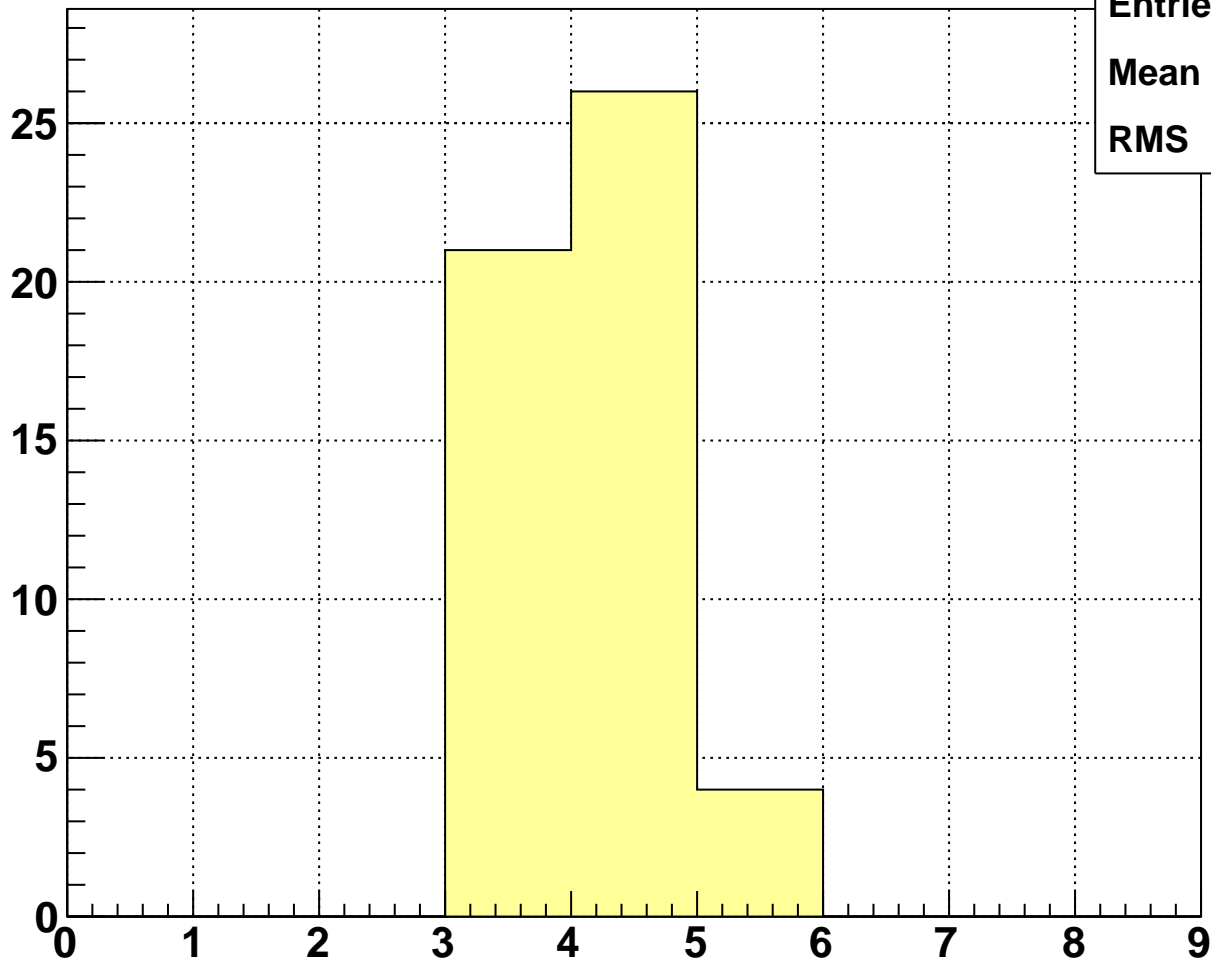
maxTB\_ZS\_Section\_43



Entries	86
Mean	3.698
RMS	0.7786

# FST - Max time bin (ZS), RDO4\_ARM2\_PORT0\_SEC0

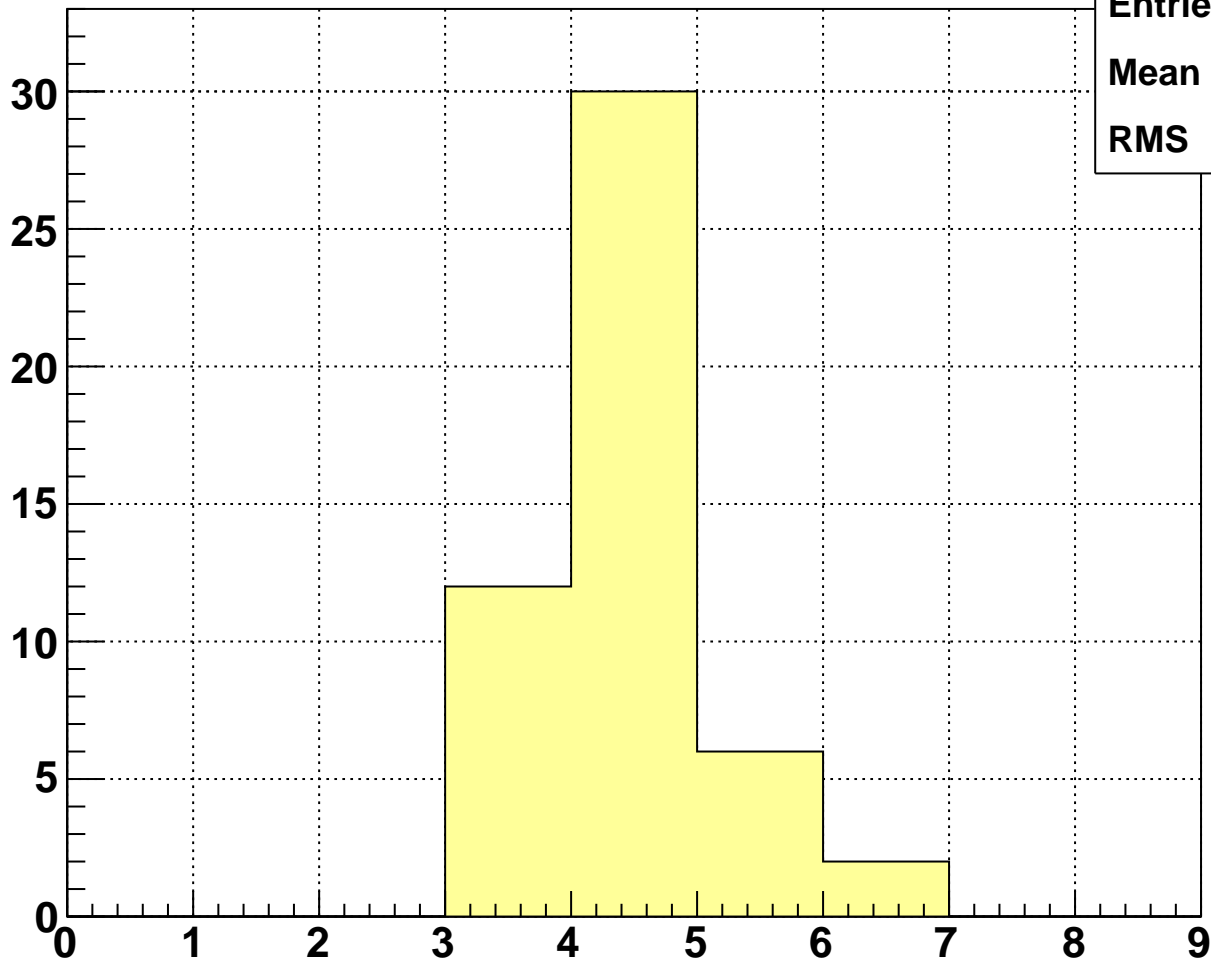
maxTB\_ZS\_Section\_44



Entries	51
Mean	3.667
RMS	0.6157

# FST - Max time bin (ZS), RDO4\_ARM2\_PORT0\_SEC1

maxTB\_ZS\_Section\_45

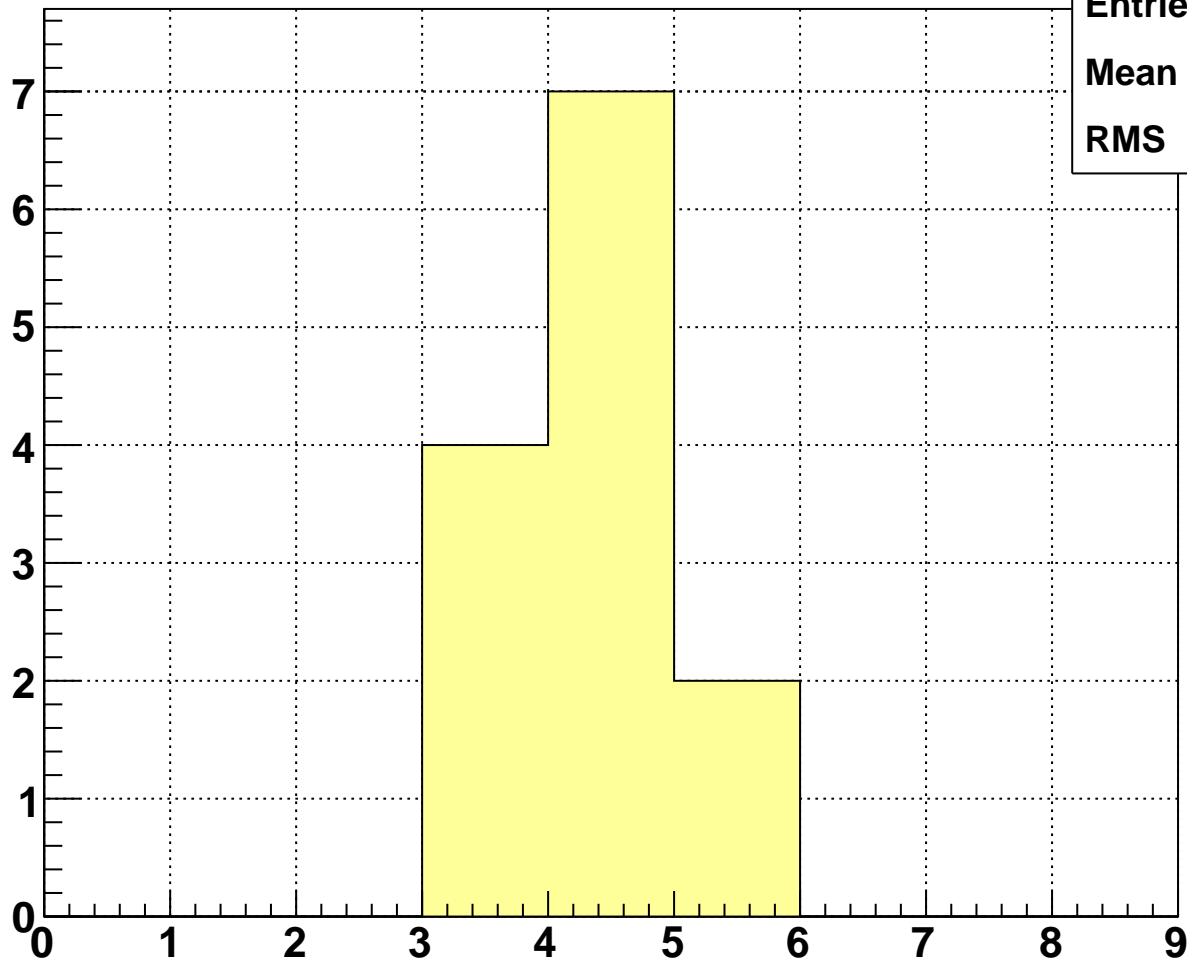


Entries	50
Mean	3.96
RMS	0.72

# FST - Max time bin (ZS), RDO4\_ARM2\_PORT1\_SEC0

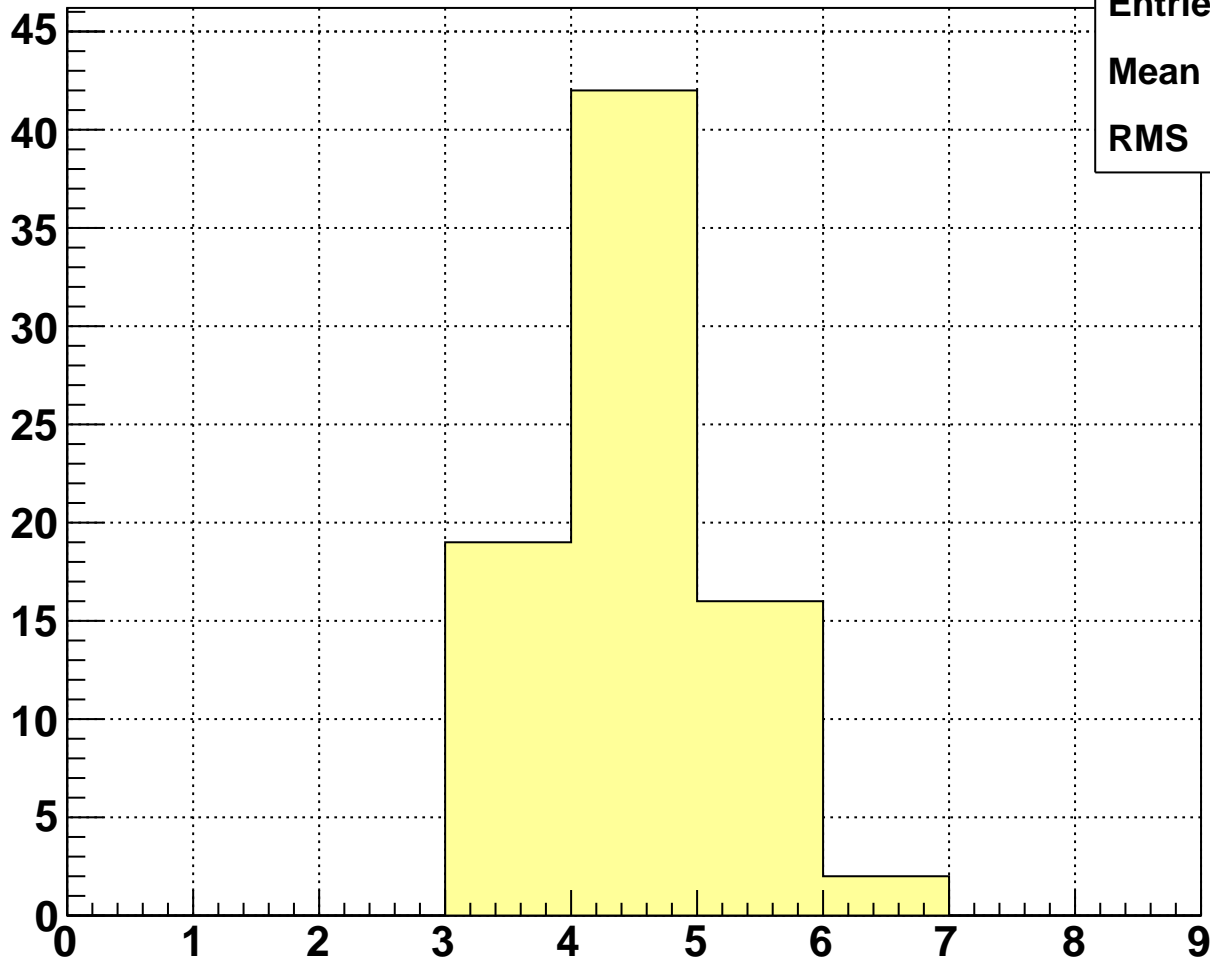
maxTB\_ZS\_Section\_46

<b>Entries</b>	<b>13</b>
<b>Mean</b>	<b>3.846</b>
<b>RMS</b>	<b>0.6617</b>



# FST - Max time bin (ZS), RDO4\_ARM2\_PORT1\_SEC1

maxTB\_ZS\_Section\_47

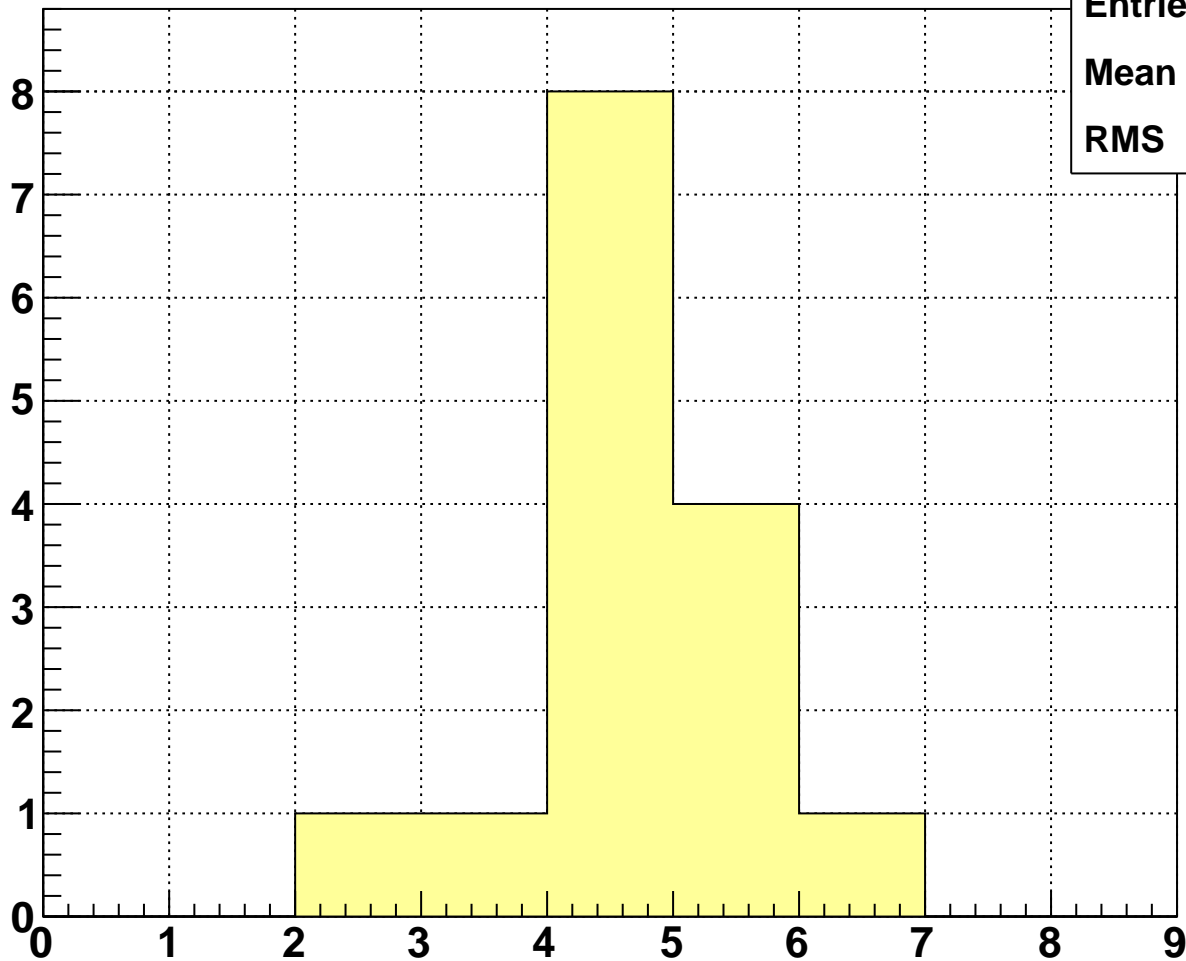


Entries	79
Mean	4.013
RMS	0.7377

# FST - Max time bin (ZS), RDO5\_ARM0\_PORT0\_SEC0

maxTB\_ZS\_Section\_48

<b>Entries</b>	<b>15</b>
<b>Mean</b>	<b>4.2</b>
<b>RMS</b>	<b>0.9092</b>



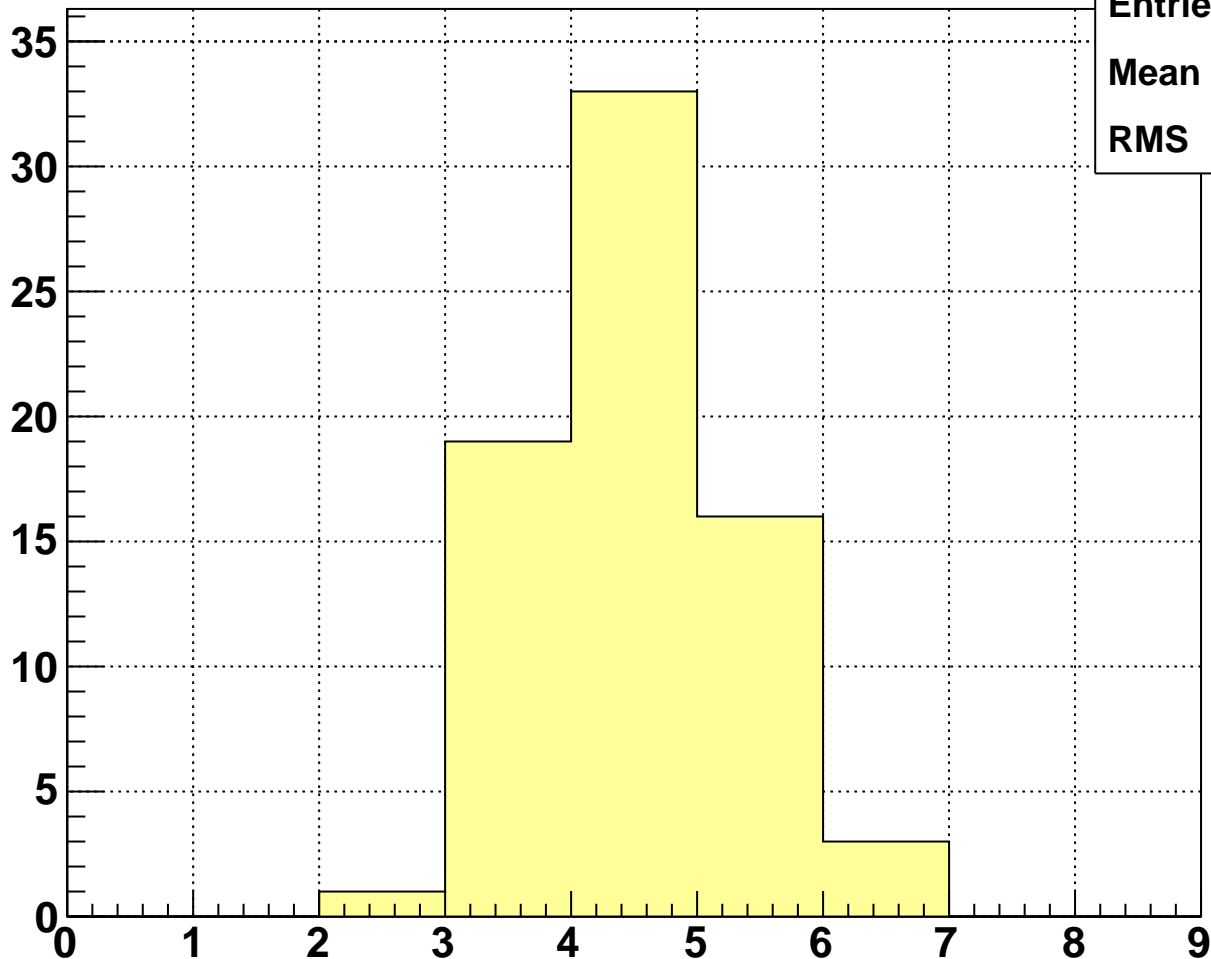
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# FST - Max time bin (ZS), RDO5\_ARM0\_PORT0\_SEC1

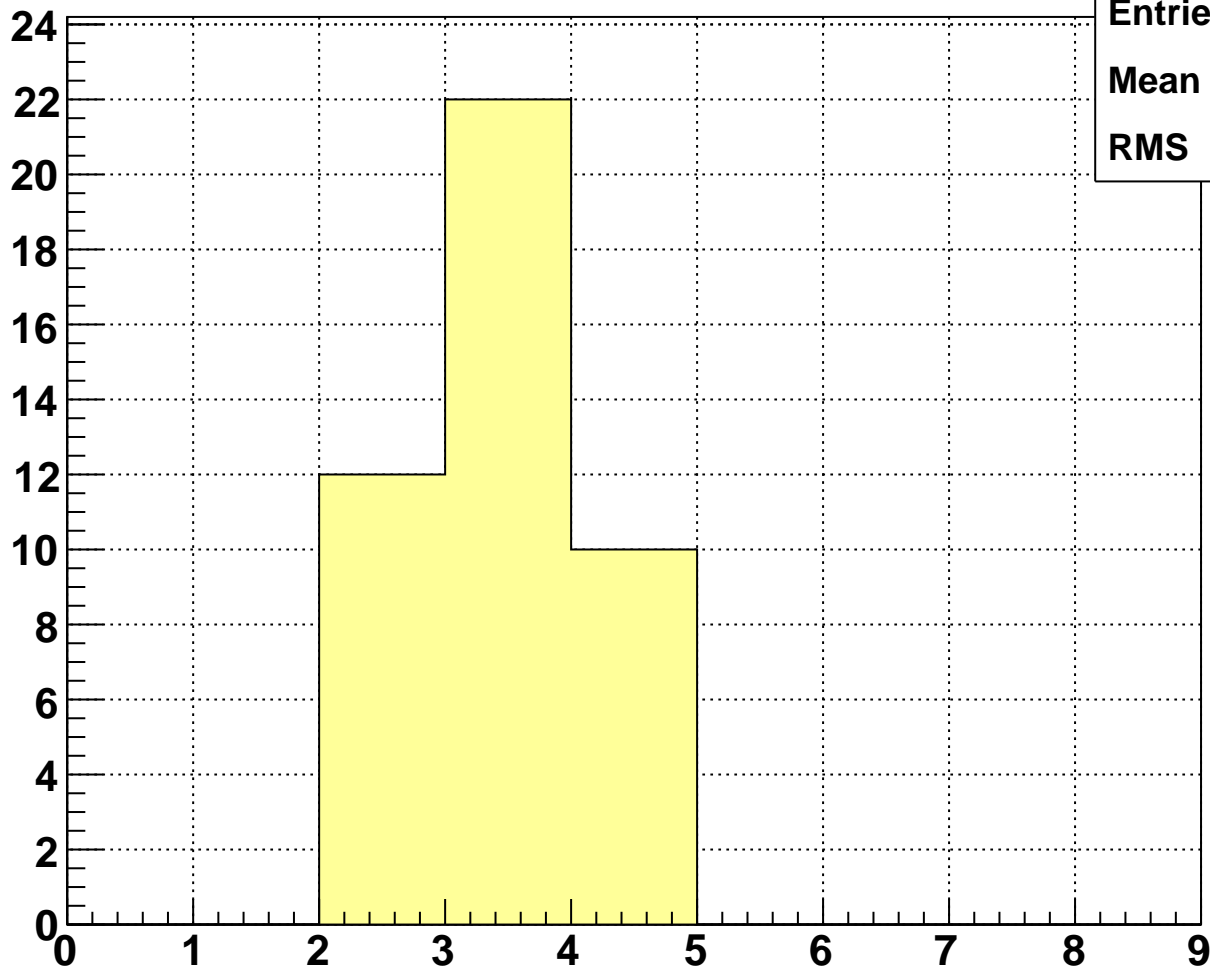
maxTB\_ZS\_Section\_49



Entries	72
Mean	4.014
RMS	0.8415

# FST - Max time bin (ZS), RDO5\_ARM0\_PORT1\_SEC0

maxTB\_ZS\_Section\_50

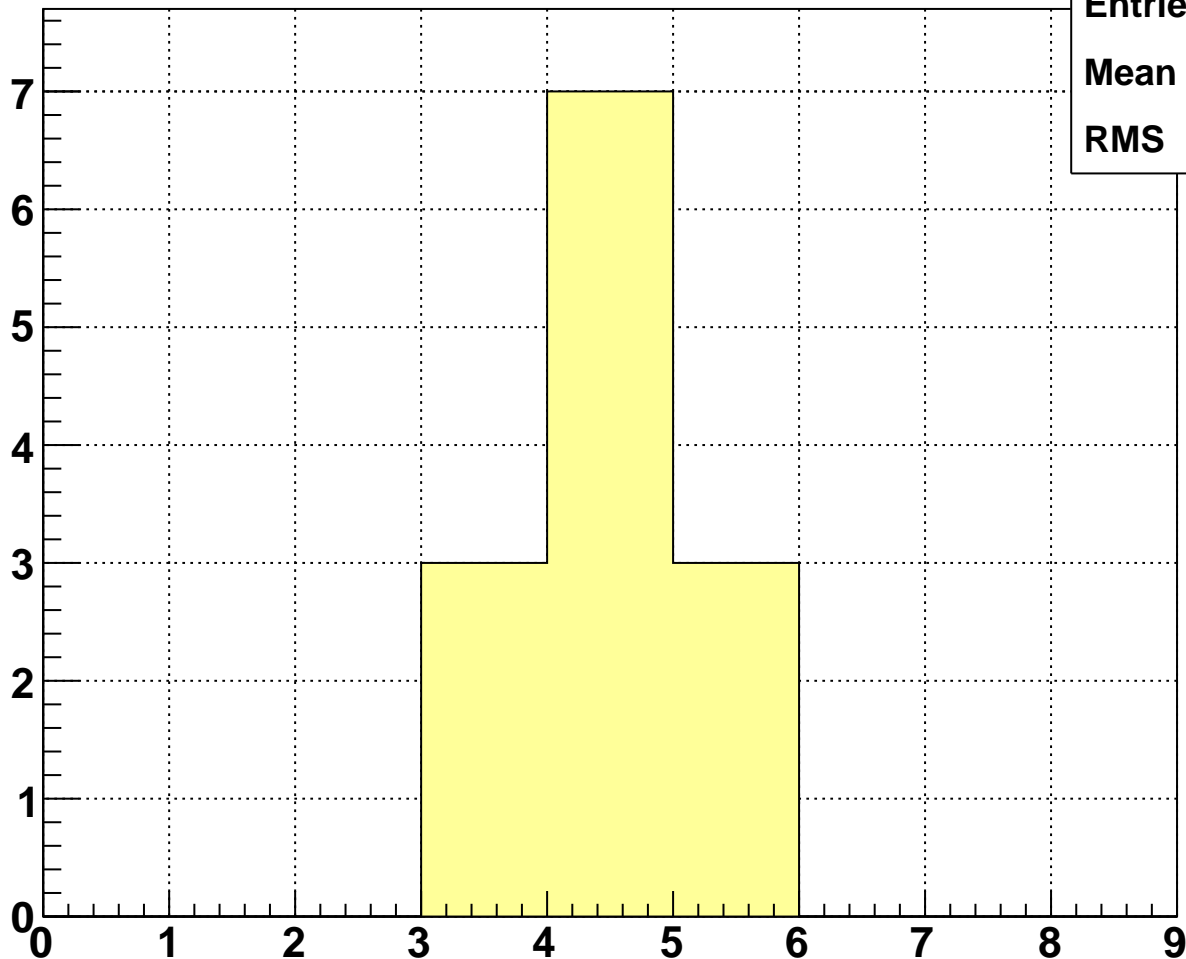


Entries	44
Mean	2.955
RMS	0.7056

# FST - Max time bin (ZS), RDO5\_ARM0\_PORT1\_SEC1

maxTB\_ZS\_Section\_51

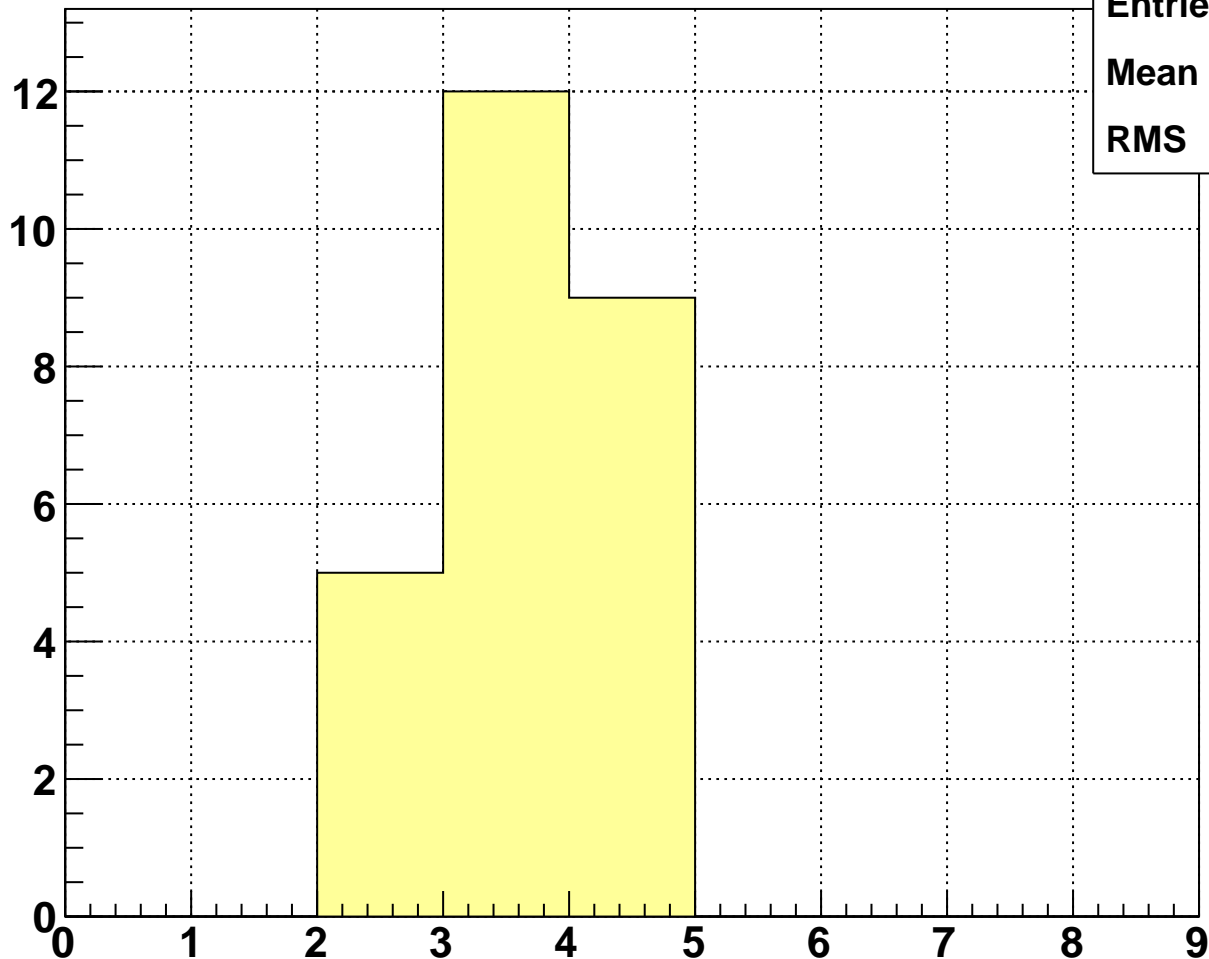
<b>Entries</b>	<b>13</b>
<b>Mean</b>	<b>4</b>
<b>RMS</b>	<b>0.6794</b>



# FST - Max time bin (ZS), RDO5\_ARM1\_PORT0\_SEC0

maxTB\_ZS\_Section\_52

<b>Entries</b>	<b>26</b>
<b>Mean</b>	<b>3.154</b>
<b>RMS</b>	<b>0.7175</b>



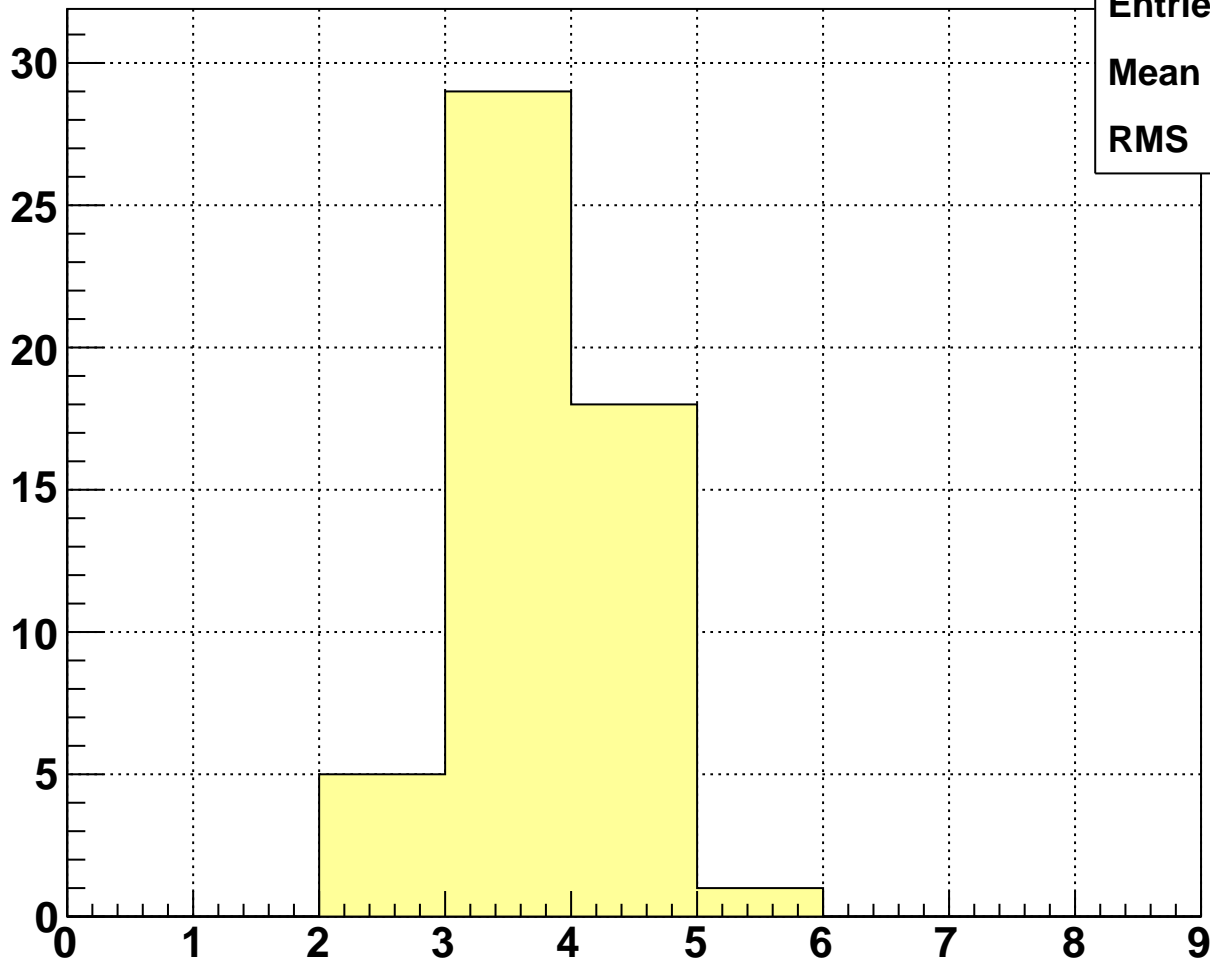
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# FST - Max time bin (ZS), RDO5\_ARM1\_PORT0\_SEC1

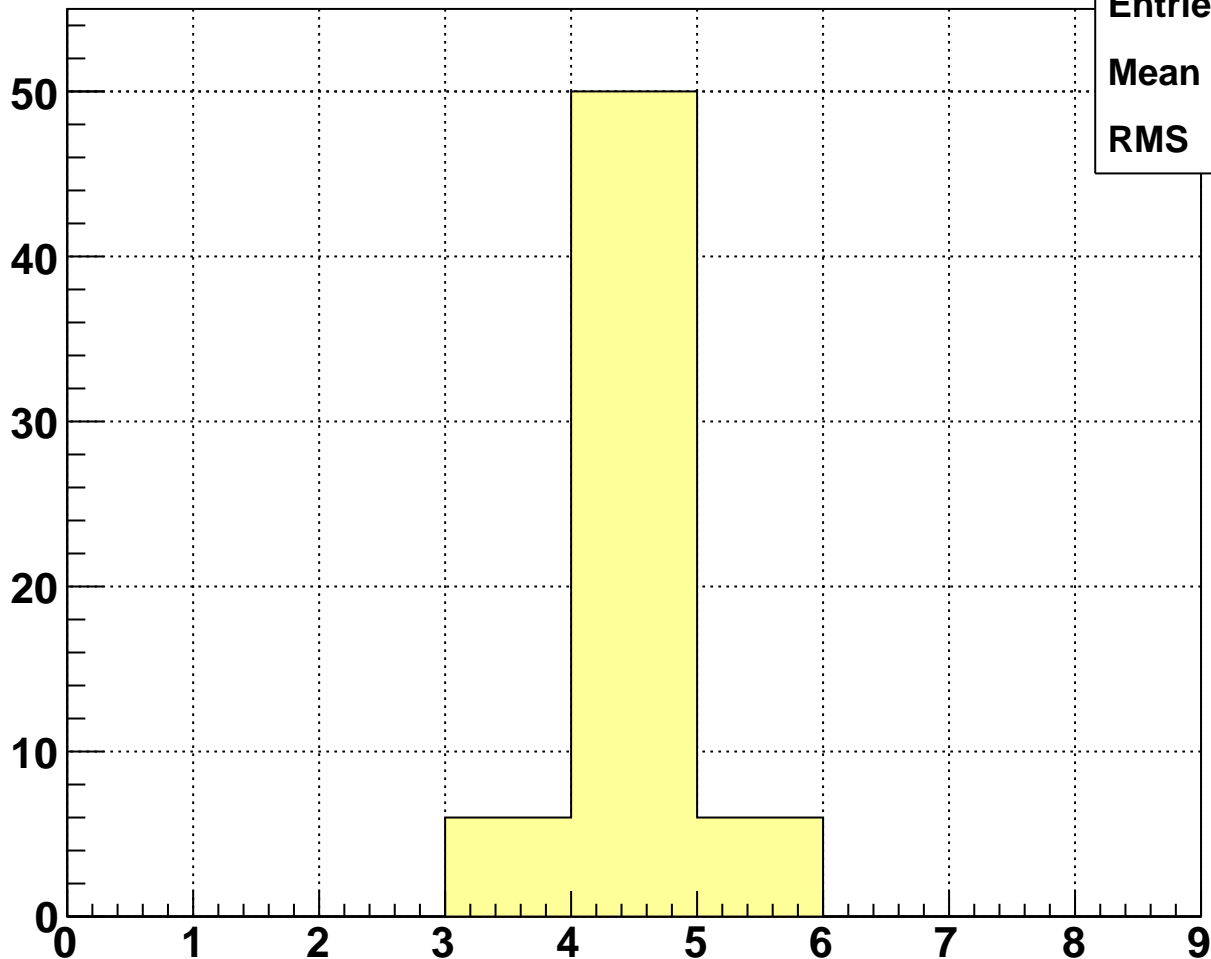
maxTB\_ZS\_Section\_53

<b>Entries</b>	<b>53</b>
<b>Mean</b>	<b>3.283</b>
<b>RMS</b>	<b>0.6552</b>



# FST - Max time bin (ZS), RDO5\_ARM1\_PORT1\_SEC0

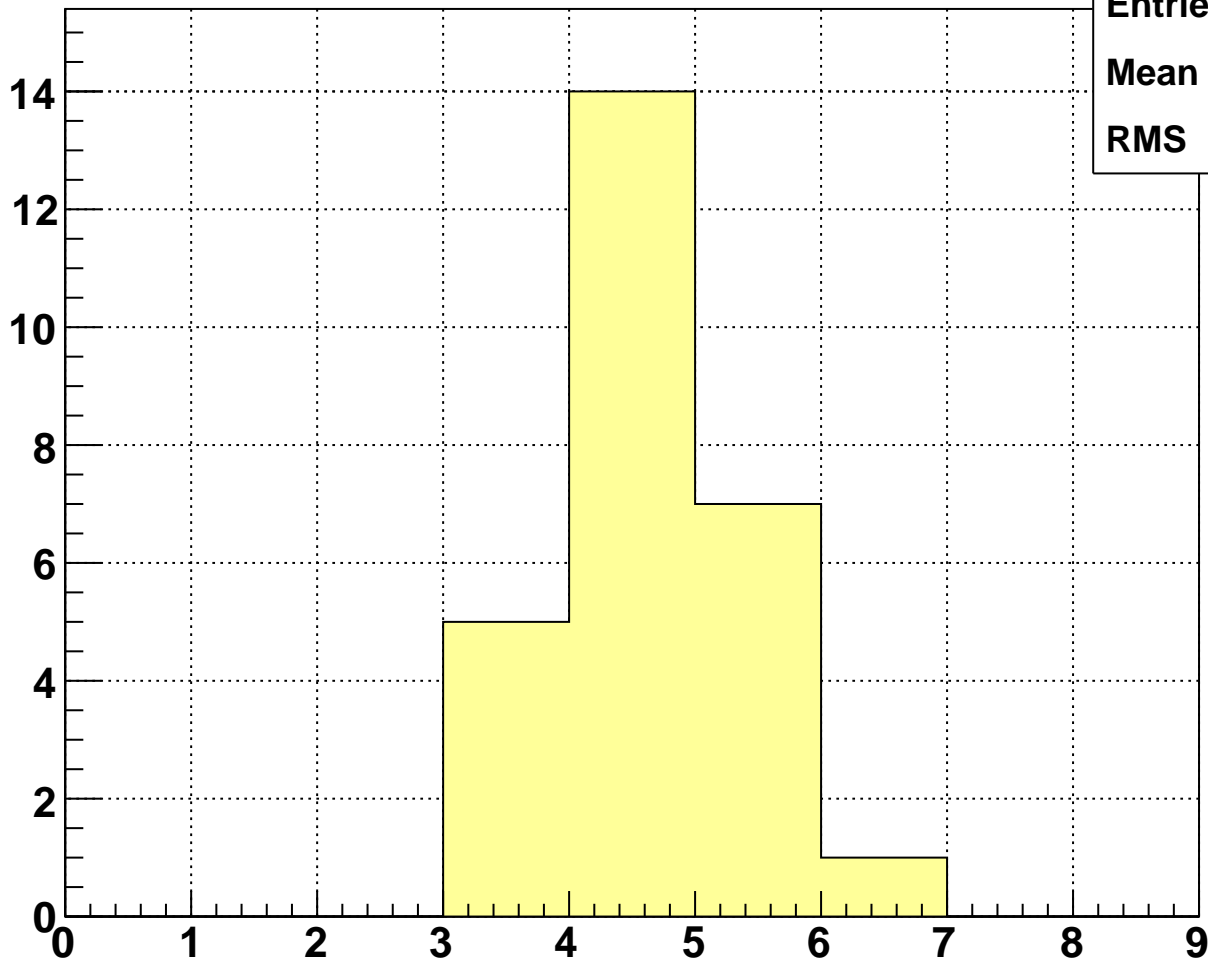
maxTB\_ZS\_Section\_54



Entries	62
Mean	4
RMS	0.4399

# FST - Max time bin (ZS), RDO5\_ARM1\_PORT1\_SEC1

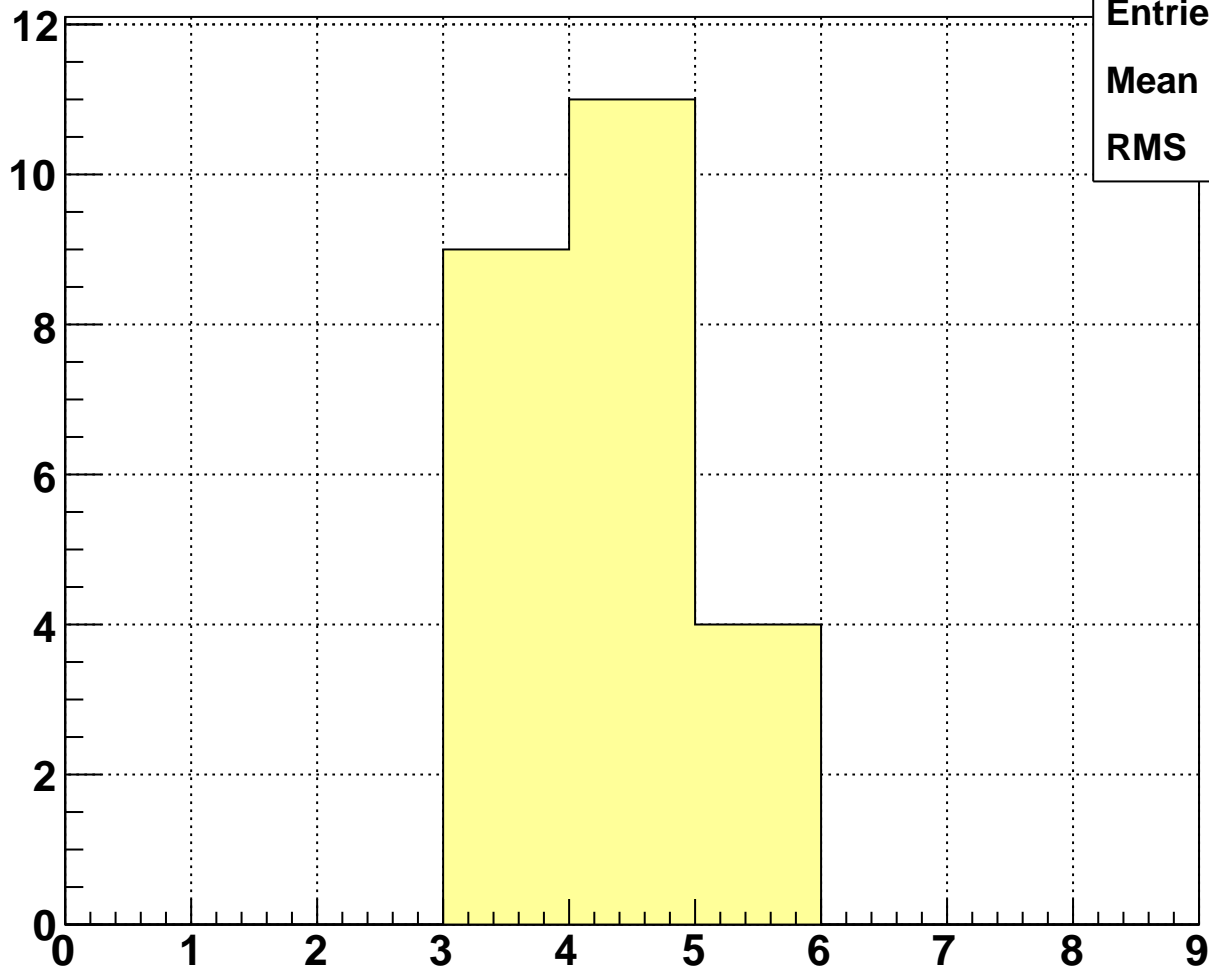
maxTB\_ZS\_Section\_55



Entries	27
Mean	4.148
RMS	0.7554

# FST - Max time bin (ZS), RDO5\_ARM2\_PORT0\_SEC0

maxTB\_ZS\_Section\_56

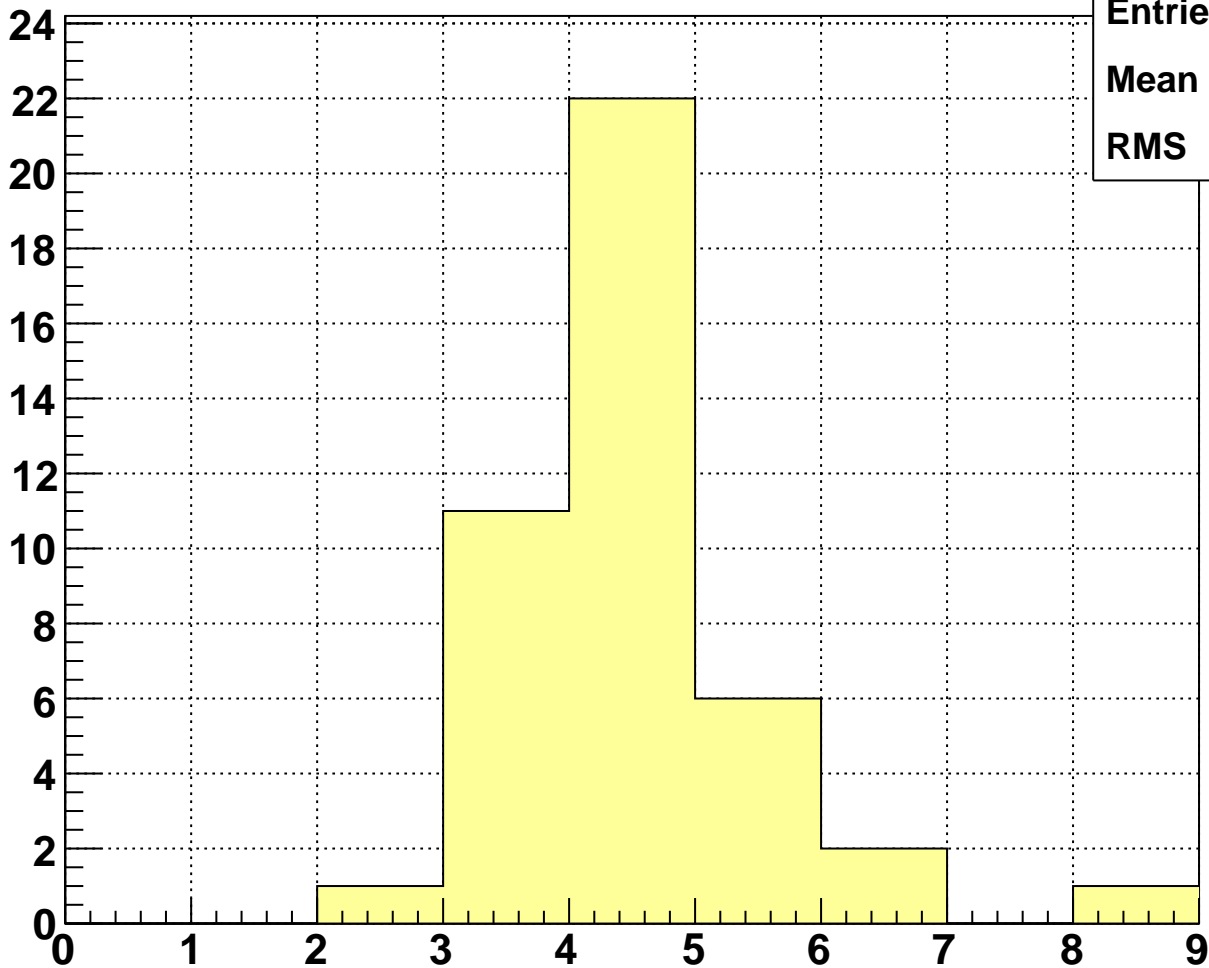


Entries	24
Mean	3.792
RMS	0.7059



# FST - Max time bin (ZS), RDO5\_ARM2\_PORT0\_SEC1

maxTB\_ZS\_Section\_57

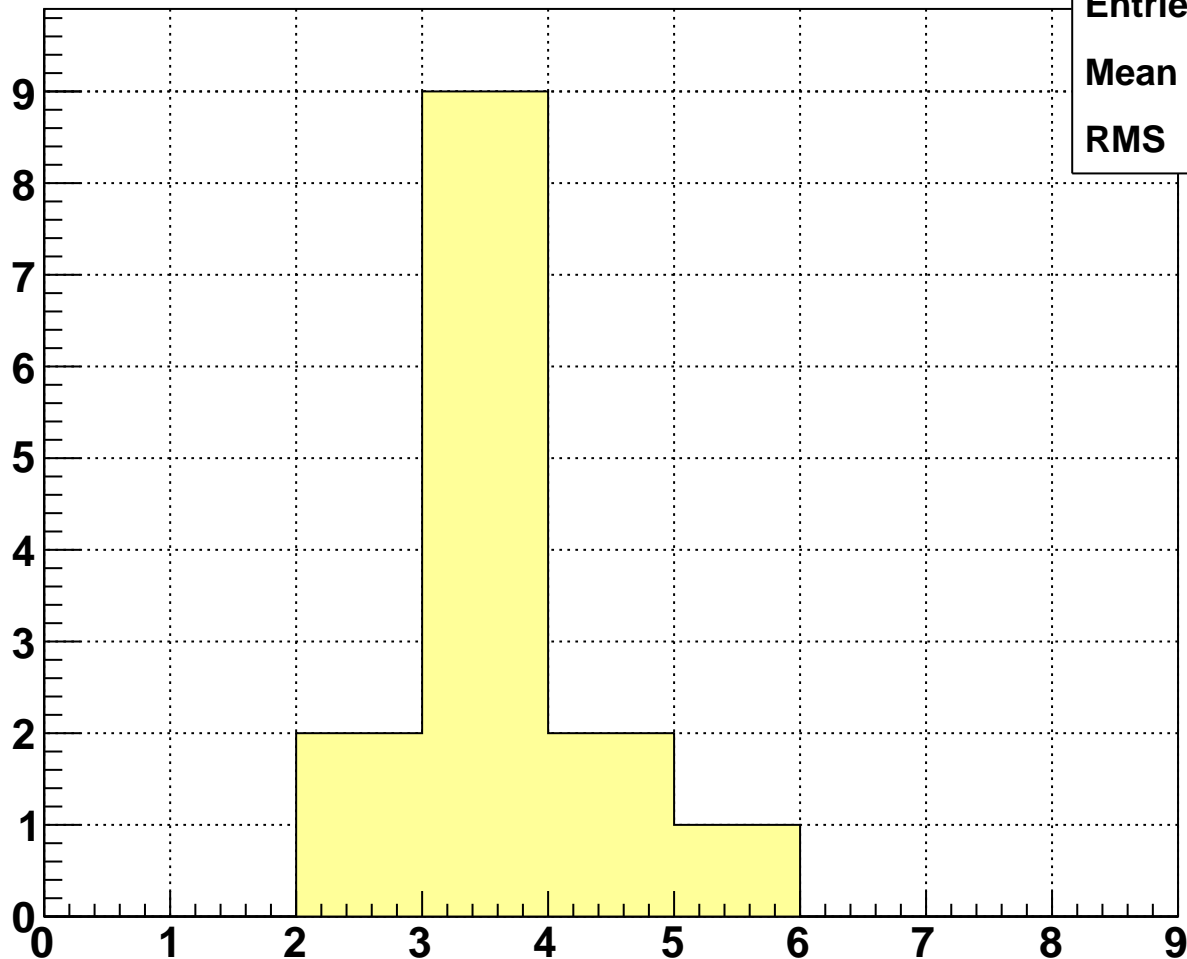


Entries	43
Mean	4.023
RMS	1.023

# FST - Max time bin (ZS), RDO5\_ARM2\_PORT1\_SEC0

maxTB\_ZS\_Section\_58

<b>Entries</b>	<b>14</b>
<b>Mean</b>	<b>3.143</b>
<b>RMS</b>	<b>0.7423</b>

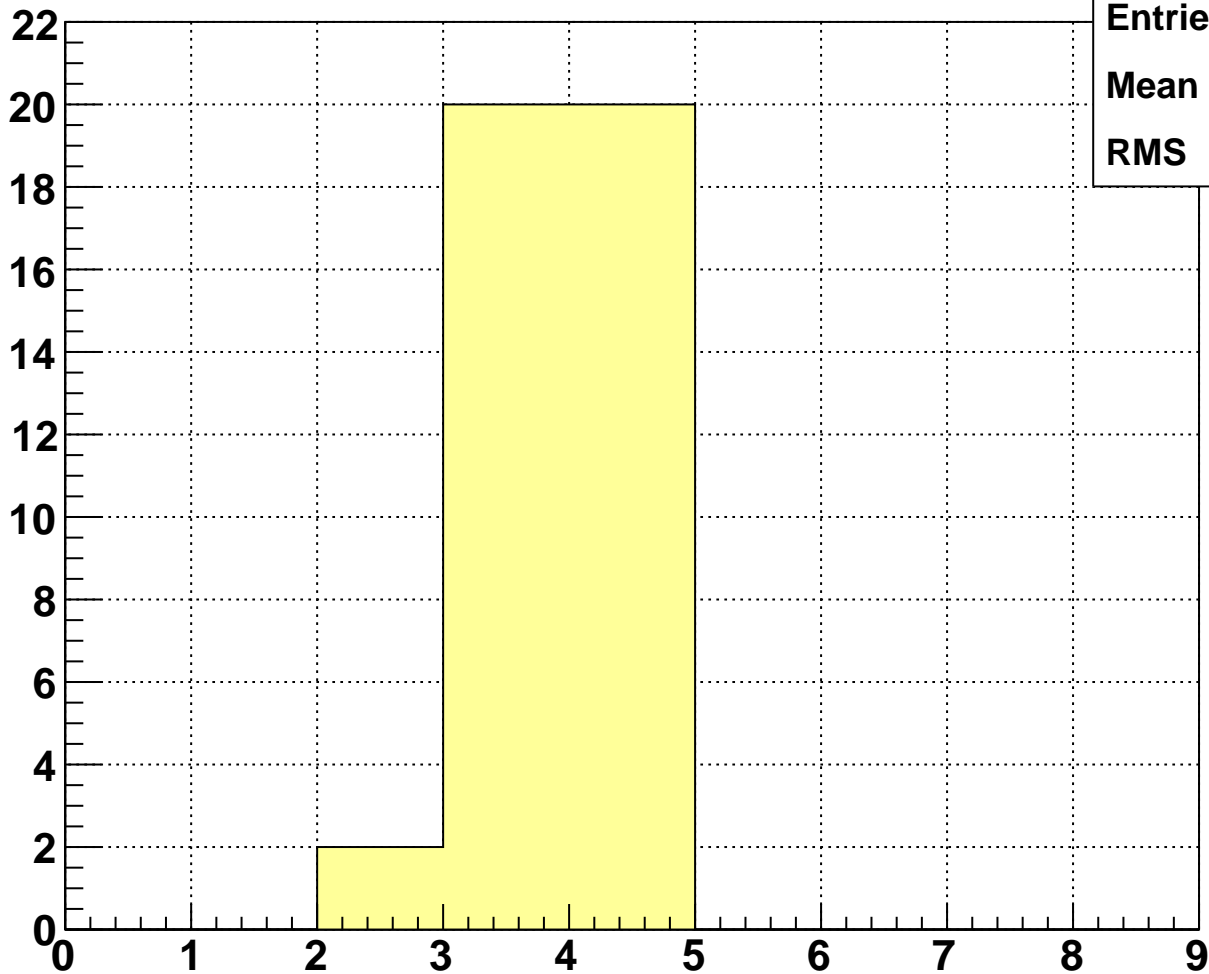


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# FST - Max time bin (ZS), RDO5\_ARM2\_PORT1\_SEC1

maxTB\_ZS\_Section\_59

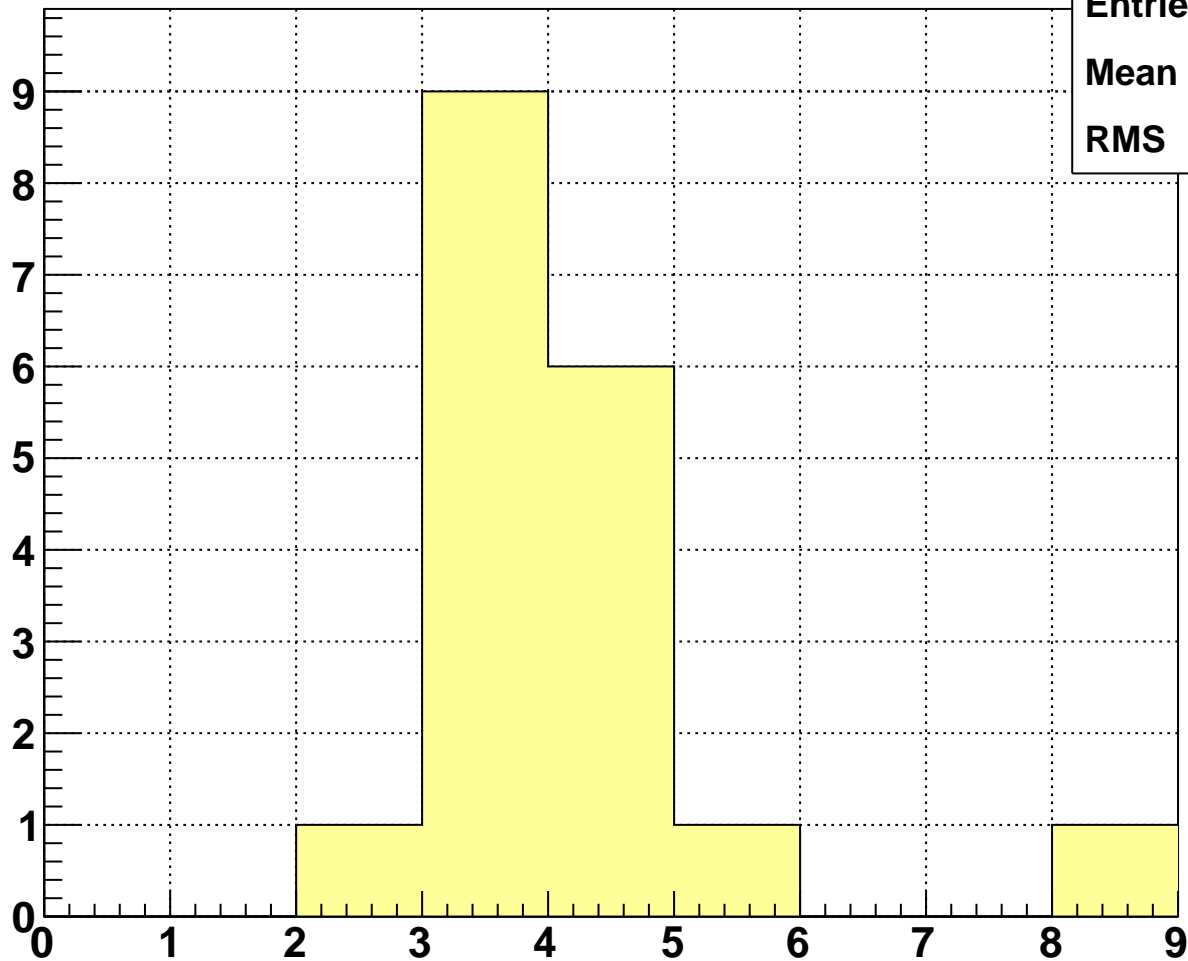


Entries	42
Mean	3.429
RMS	0.5832

# FST - Max time bin (ZS), RDO6\_ARM0\_PORT0\_SEC0

maxTB\_ZS\_Section\_60

<b>Entries</b>	<b>18</b>
<b>Mean</b>	<b>3.667</b>
<b>RMS</b>	<b>1.247</b>

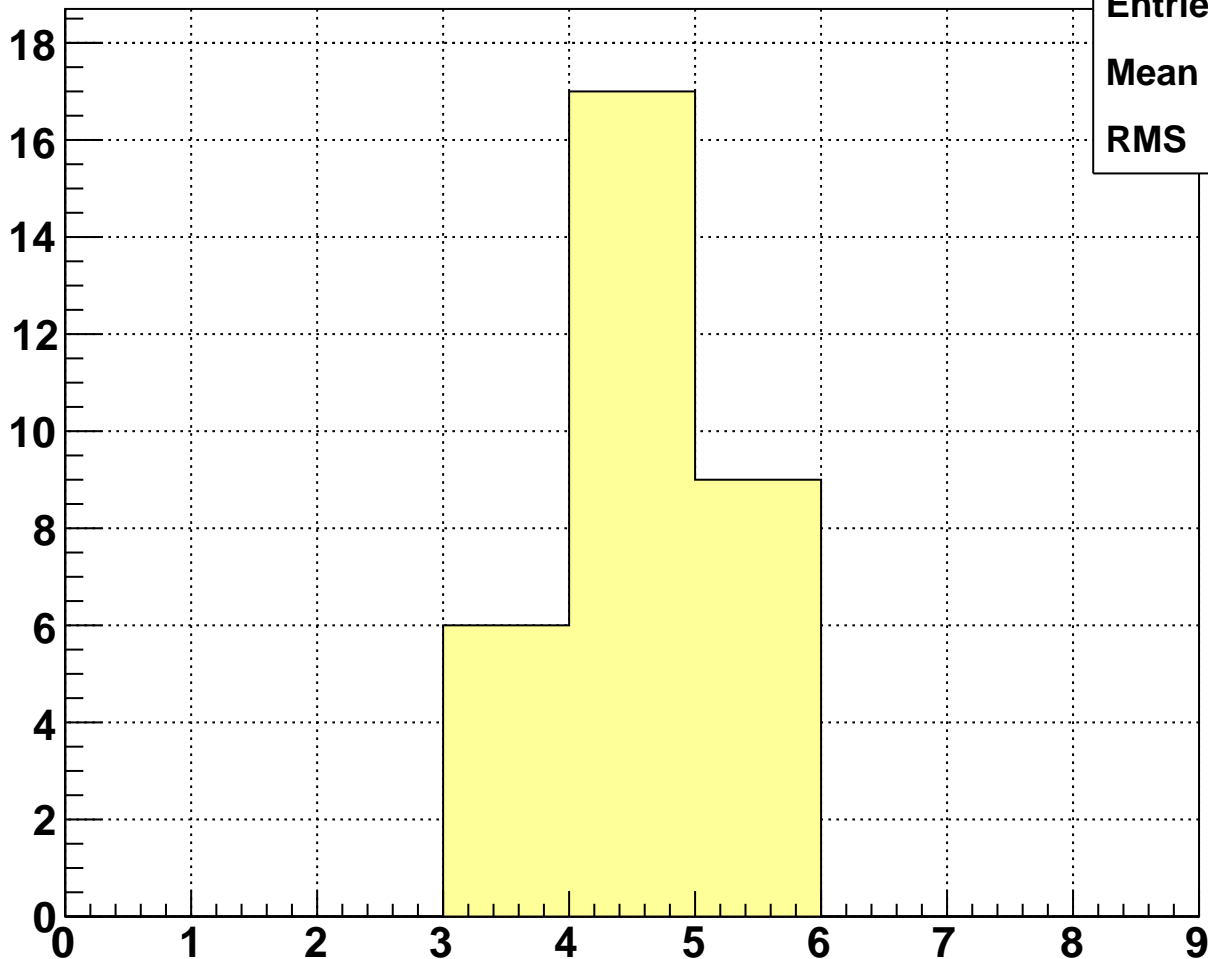


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# FST - Max time bin (ZS), RDO6\_ARM0\_PORT0\_SEC1

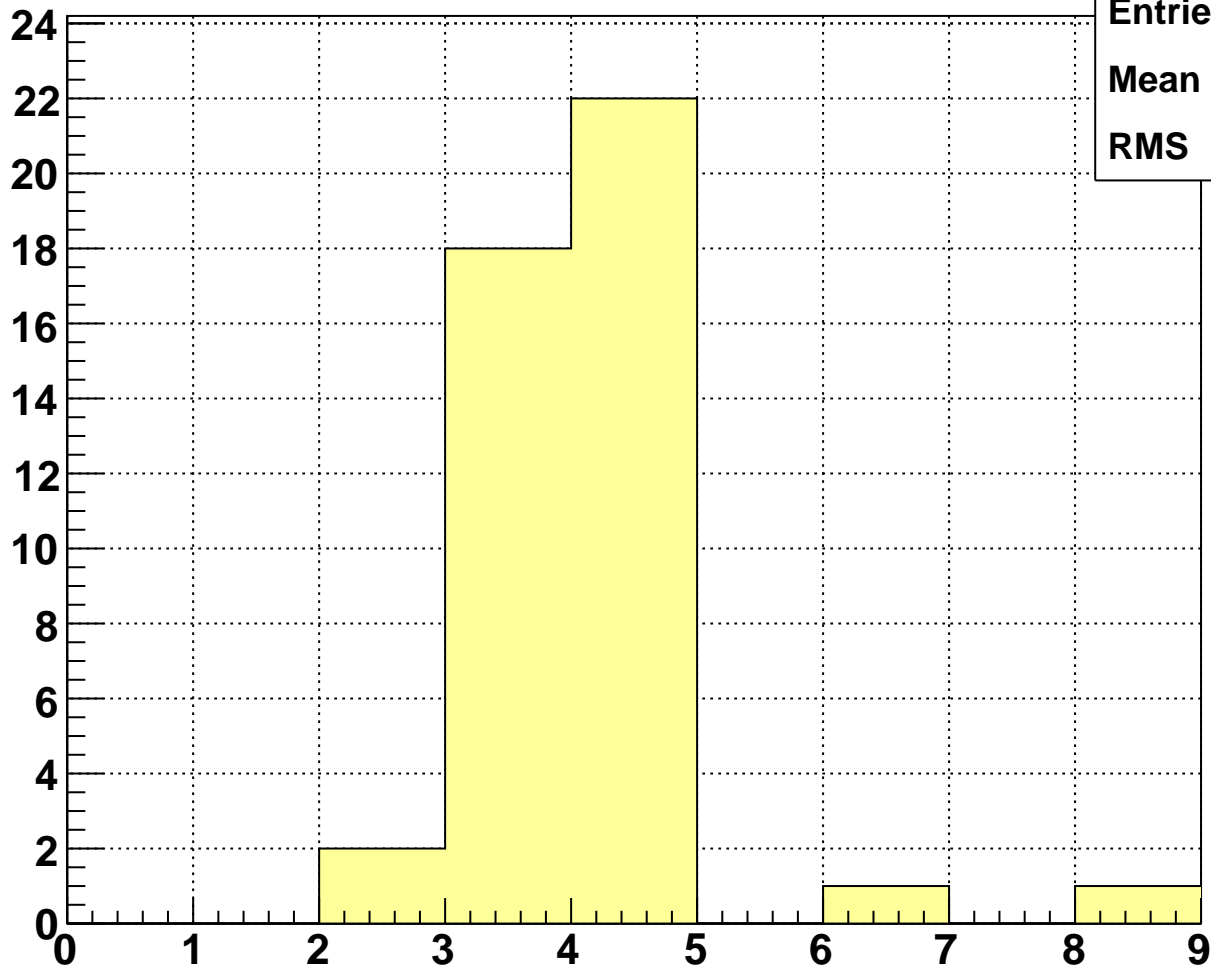
maxTB\_ZS\_Section\_61



Entries	32
Mean	4.094
RMS	0.6782

# FST - Max time bin (ZS), RDO6\_ARM0\_PORT1\_SEC0

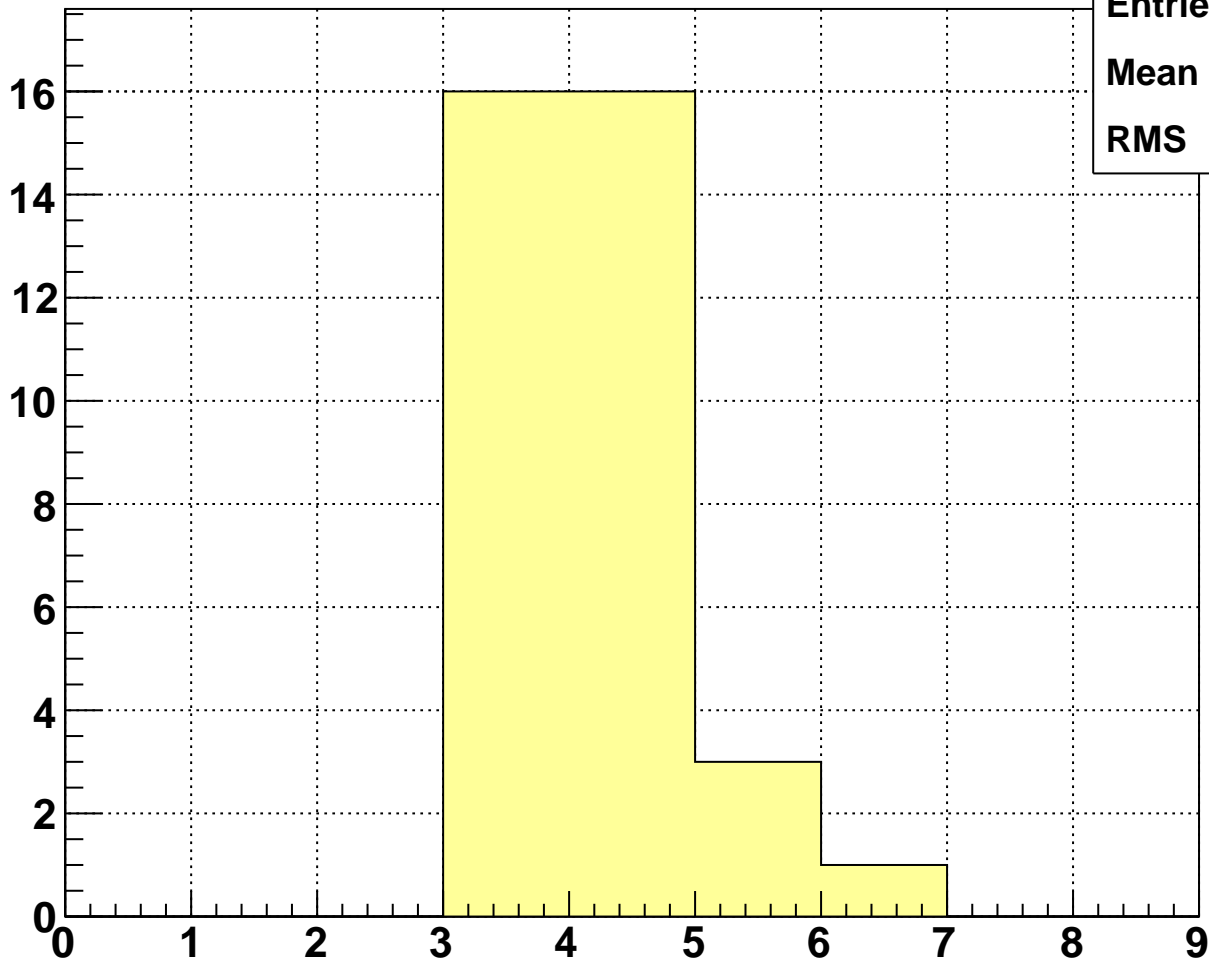
maxTB\_ZS\_Section\_62



Entries	44
Mean	3.636
RMS	0.9556

# FST - Max time bin (ZS), RDO6\_ARM0\_PORT1\_SEC1

maxTB\_ZS\_Section\_63

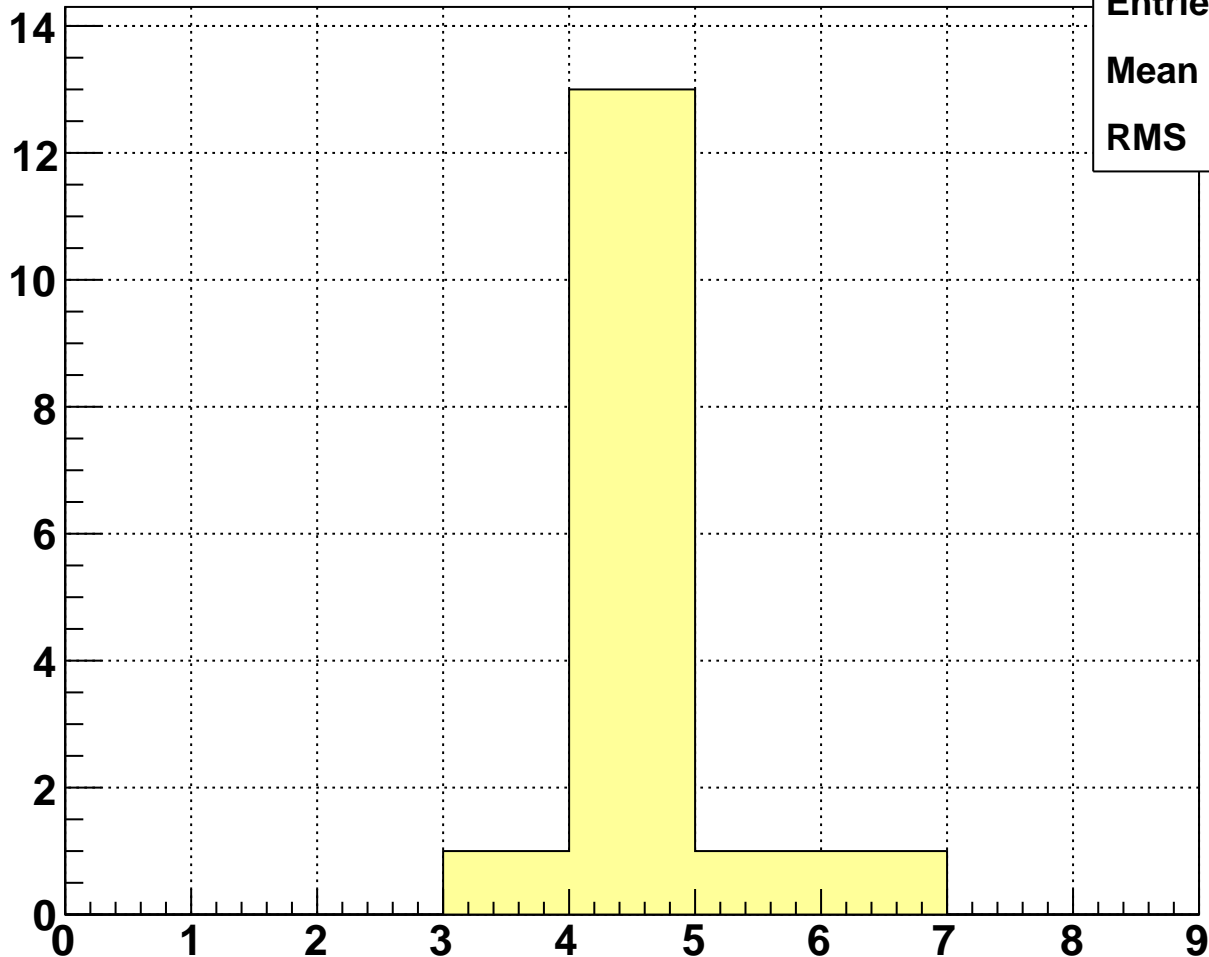


Entries	36
Mean	3.694
RMS	0.7386

# FST - Max time bin (ZS), RDO6\_ARM1\_PORT0\_SEC0

maxTB\_ZS\_Section\_64

<b>Entries</b>	<b>16</b>
<b>Mean</b>	<b>4.125</b>
<b>RMS</b>	<b>0.5995</b>



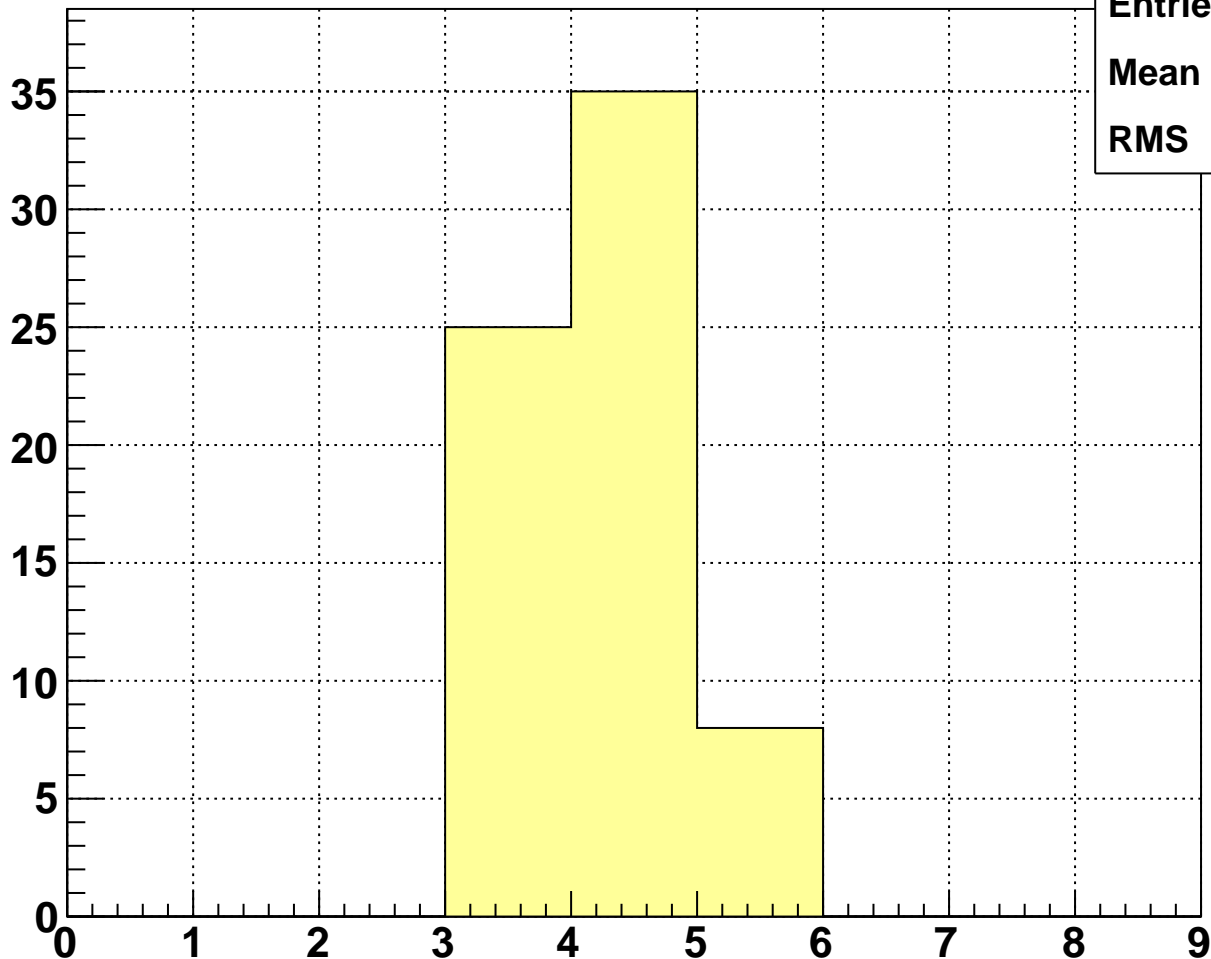
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Time Bin Index



# FST - Max time bin (ZS), RDO6\_ARM1\_PORT0\_SEC1

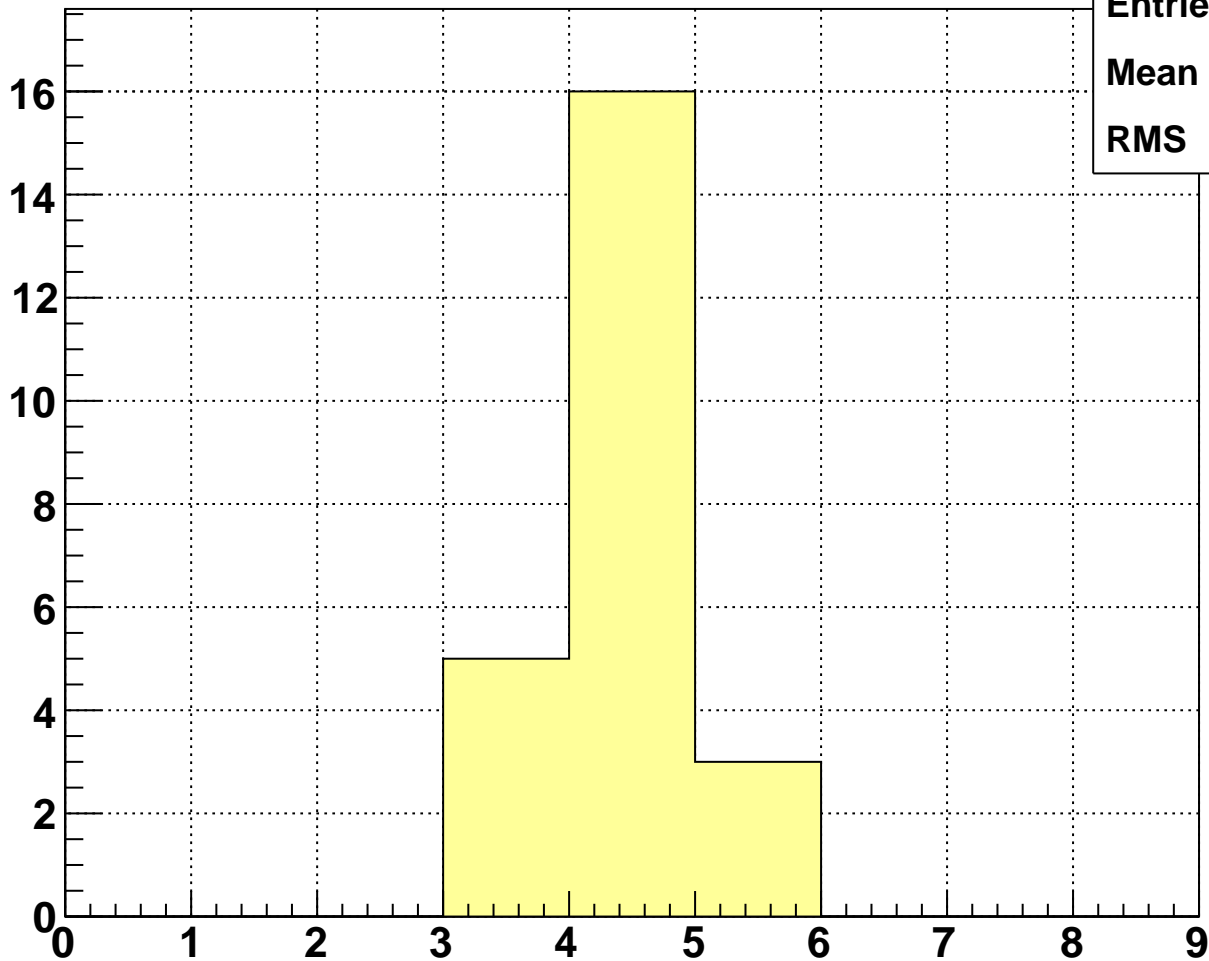
maxTB\_ZS\_Section\_65



Entries	68
Mean	3.75
RMS	0.6502

# FST - Max time bin (ZS), RDO6\_ARM1\_PORT1\_SEC0

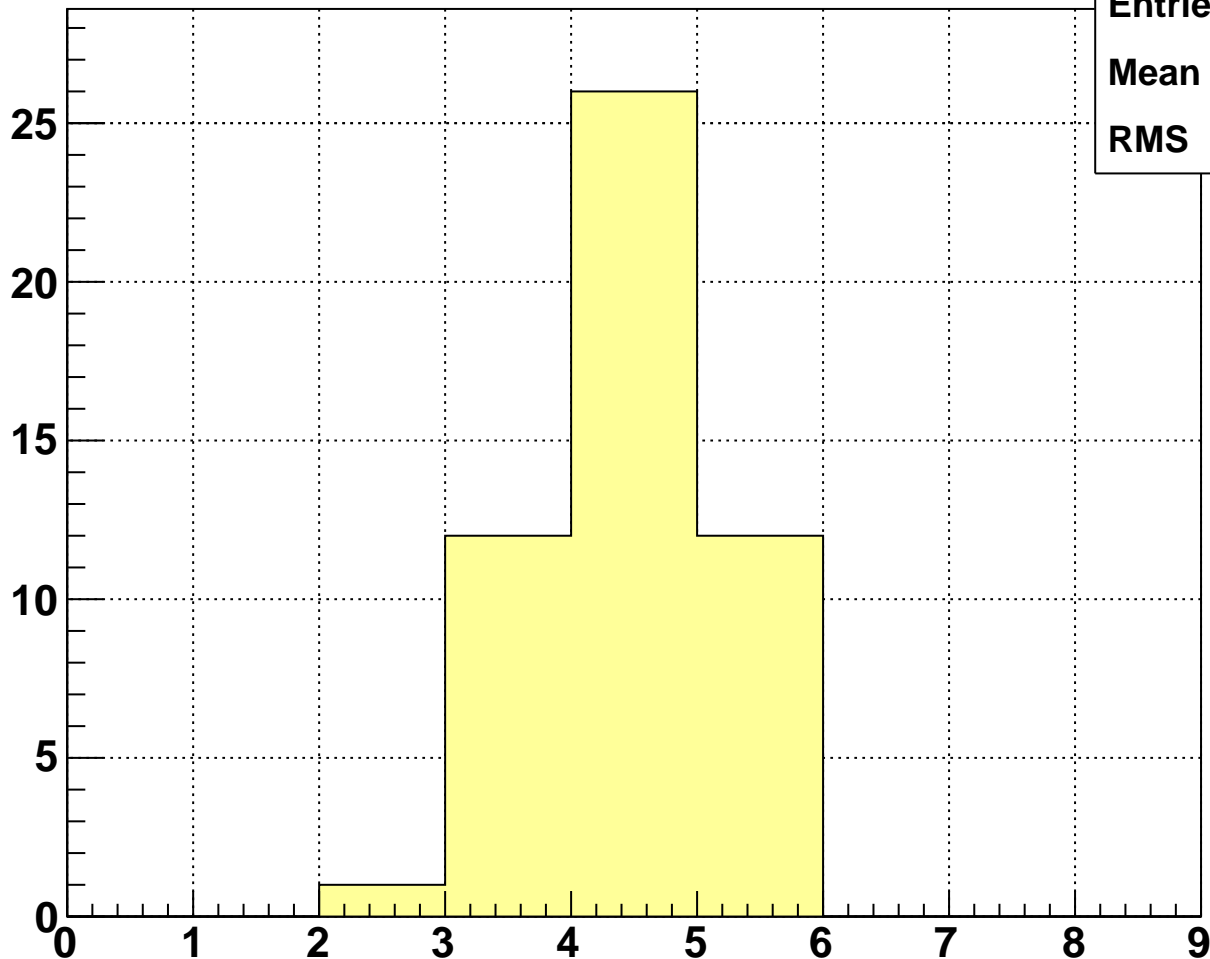
maxTB\_ZS\_Section\_66



Entries	24
Mean	3.917
RMS	0.5713

# FST - Max time bin (ZS), RDO6\_ARM1\_PORT1\_SEC1

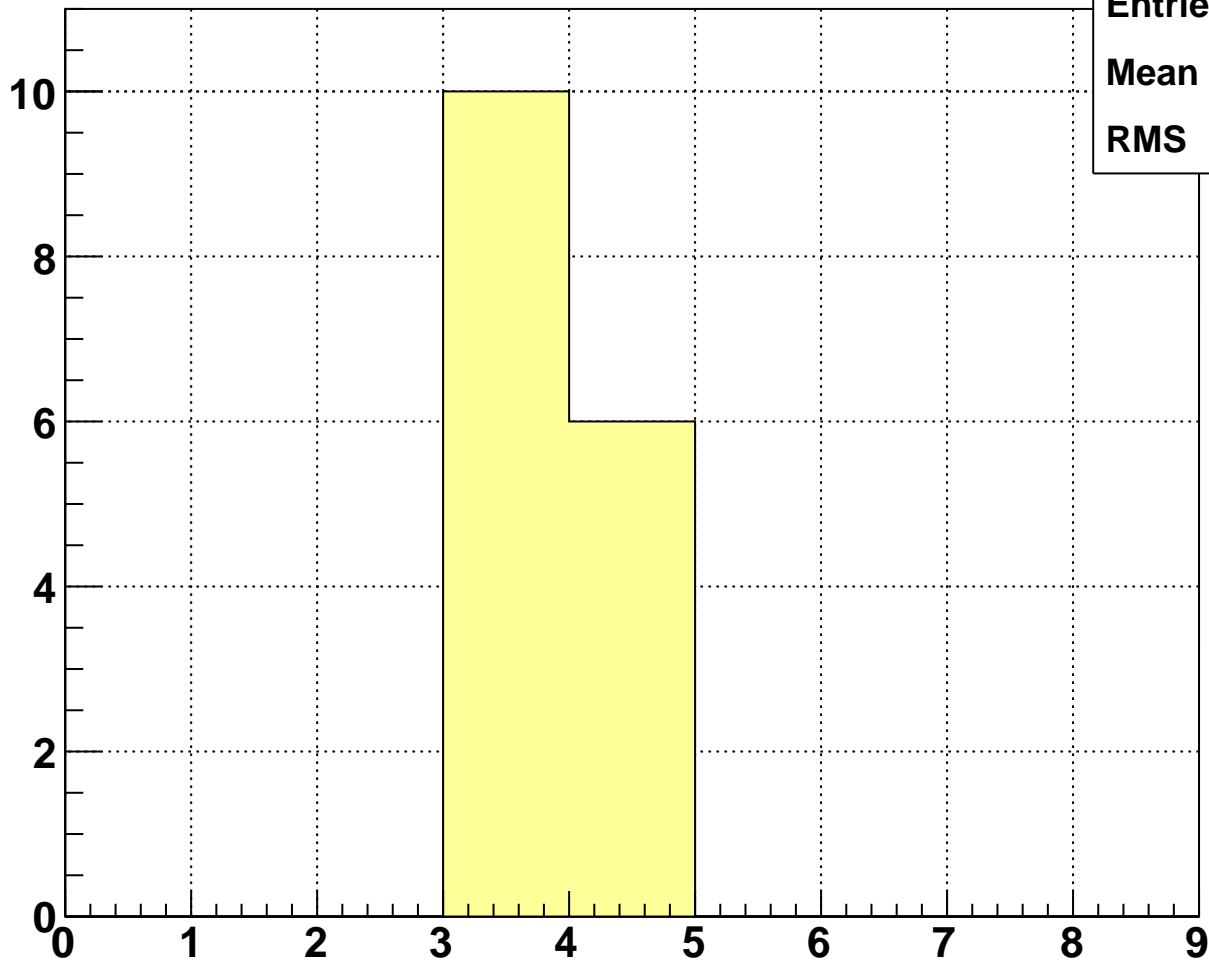
maxTB\_ZS\_Section\_67



Entries	51
Mean	3.961
RMS	0.7399

# FST - Max time bin (ZS), RDO6\_ARM2\_PORT0\_SEC0

maxTB\_ZS\_Section\_68

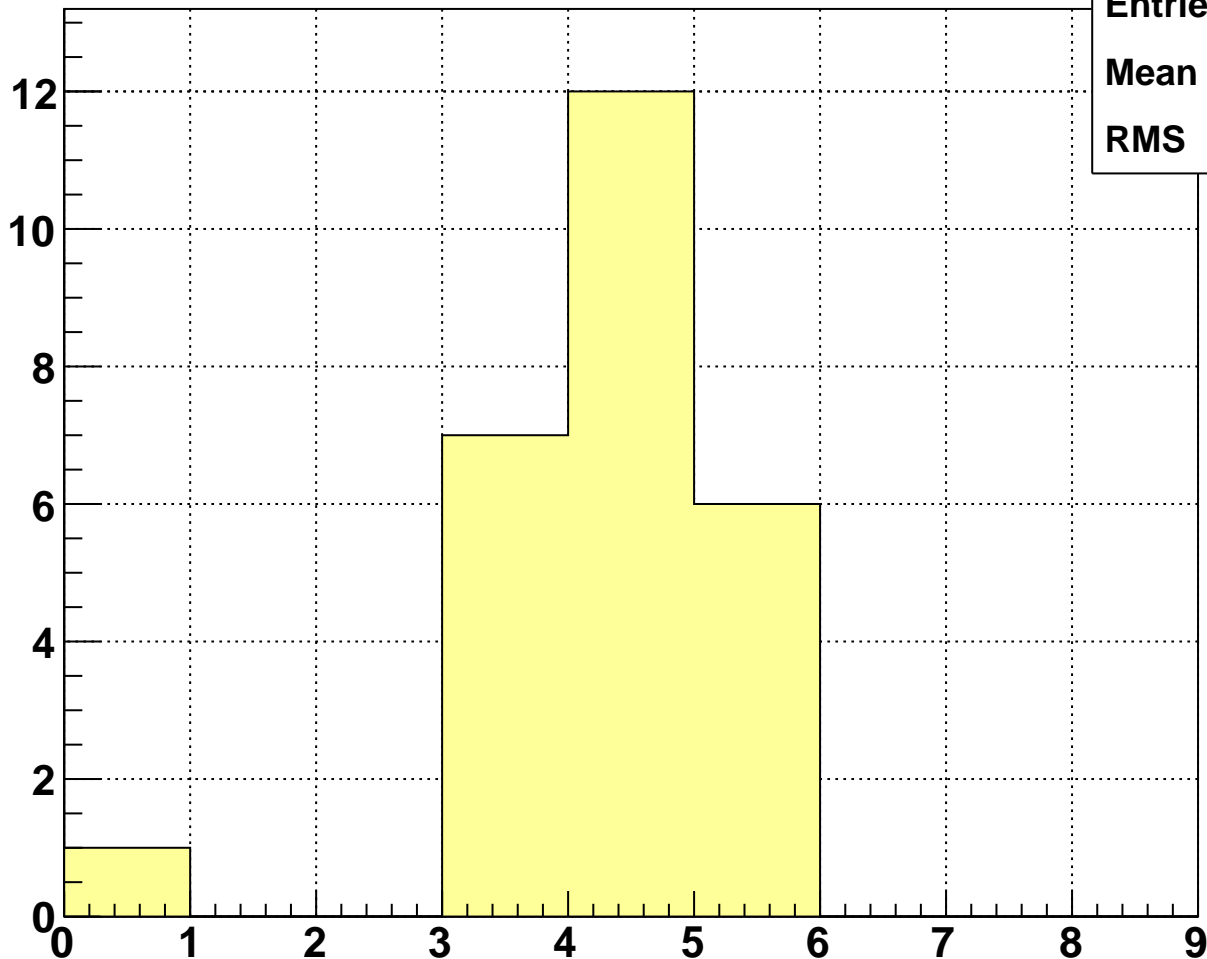


Entries	16
Mean	3.375
RMS	0.4841

# FST - Max time bin (ZS), RDO6\_ARM2\_PORT0\_SEC1

maxTB\_ZS\_Section\_69

<b>Entries</b>	<b>26</b>
<b>Mean</b>	<b>3.808</b>
<b>RMS</b>	<b>1.038</b>

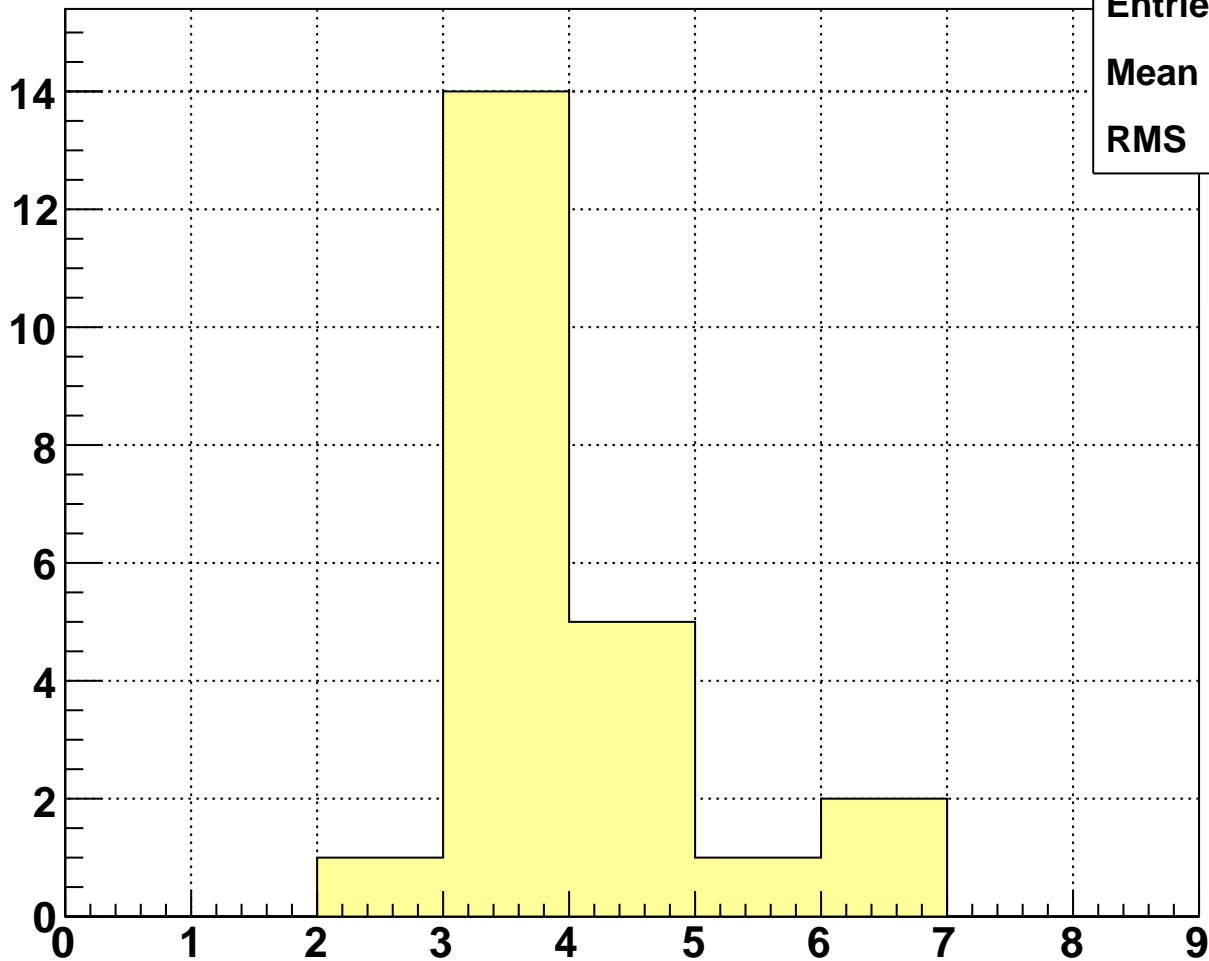


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Time Bin Index

# FST - Max time bin (ZS), RDO6\_ARM2\_PORT1\_SEC0

maxTB\_ZS\_Section\_70

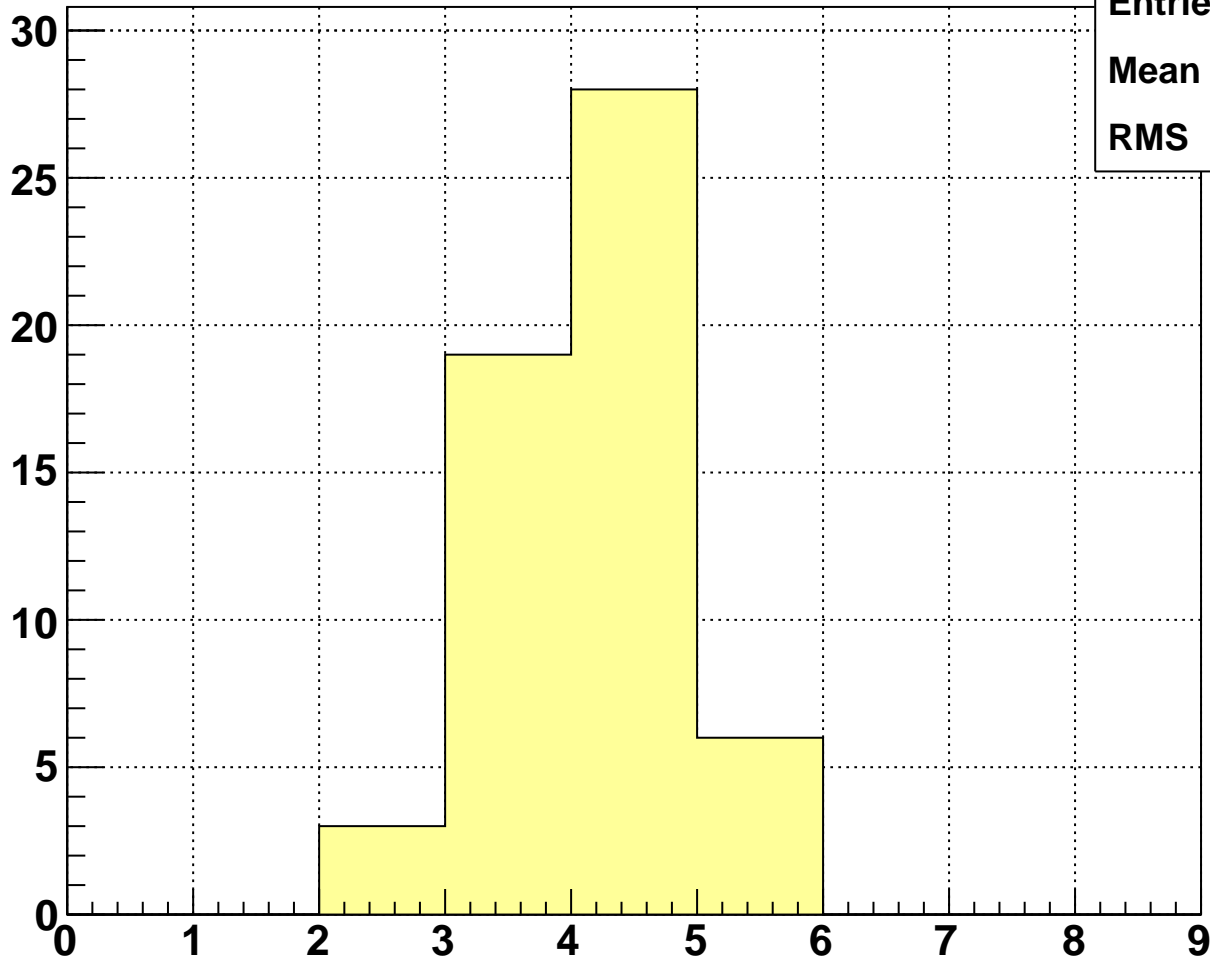


Entries	23
Mean	3.522
RMS	0.9722

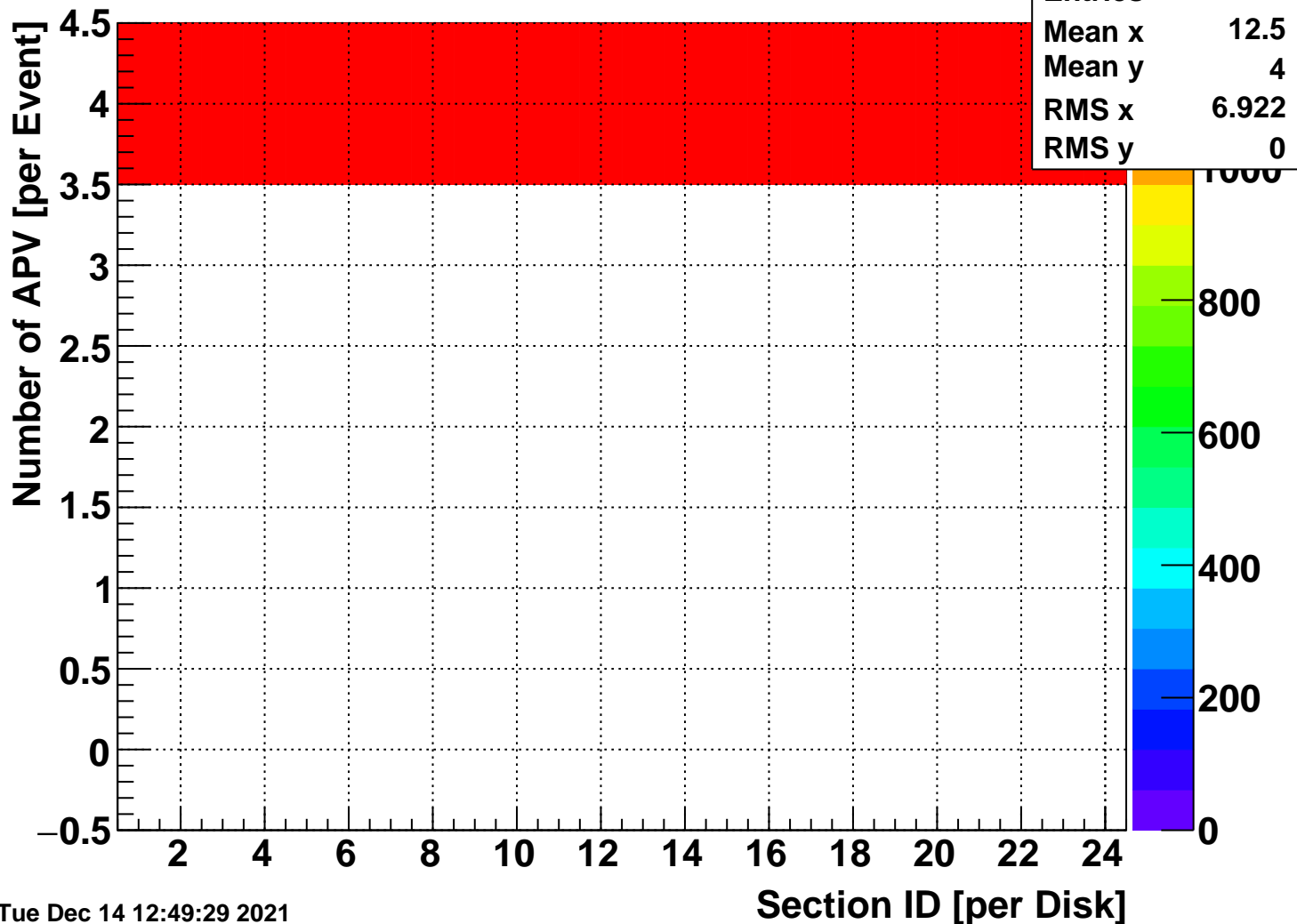
# FST - Max time bin (ZS), RDO6\_ARM2\_PORT1\_SEC1

maxTB\_ZS\_Section\_71

<b>Entries</b>	<b>56</b>
<b>Mean</b>	<b>3.661</b>
<b>RMS</b>	<b>0.7386</b>

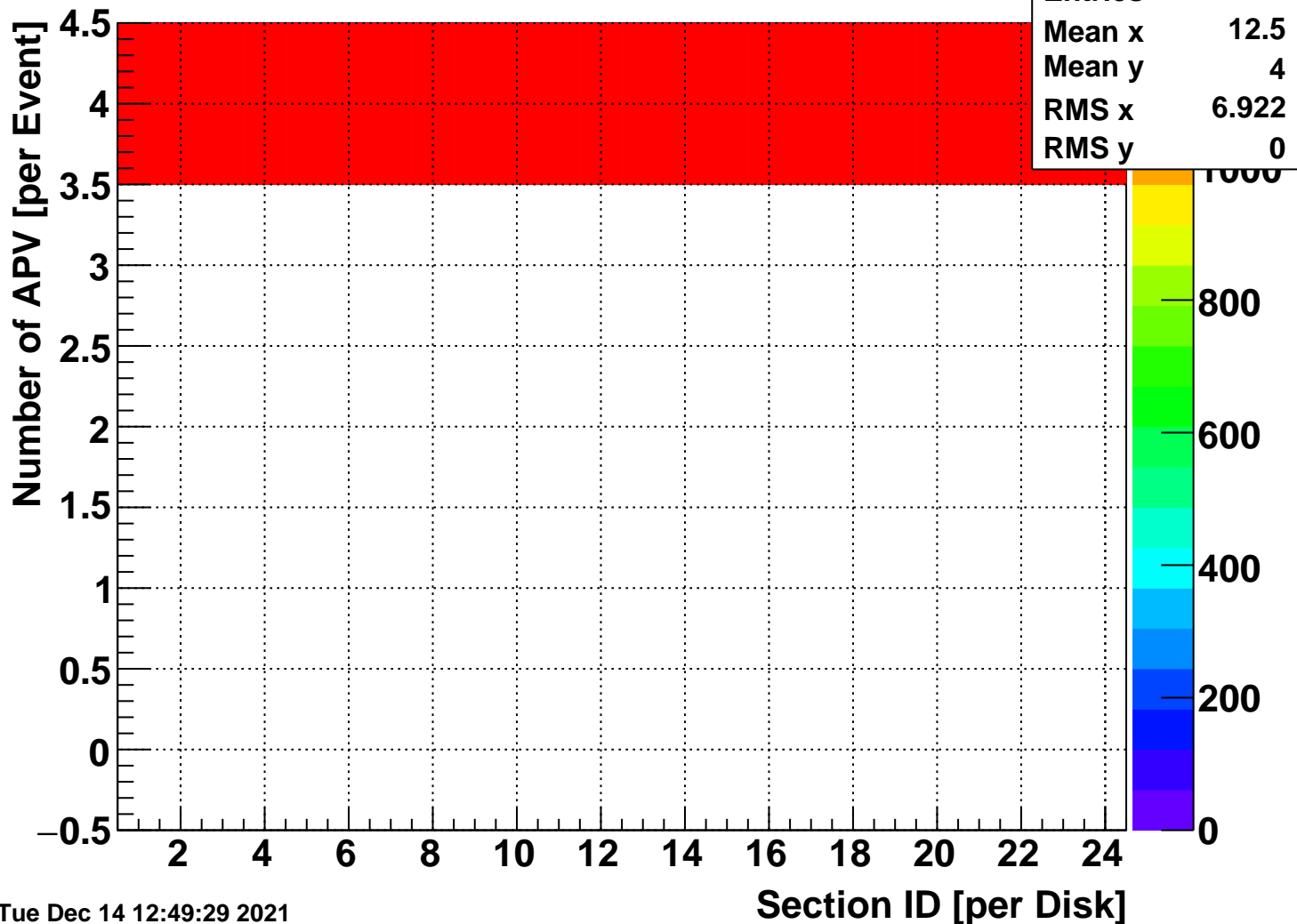


# FST - Visible APVs per Module for Disk1

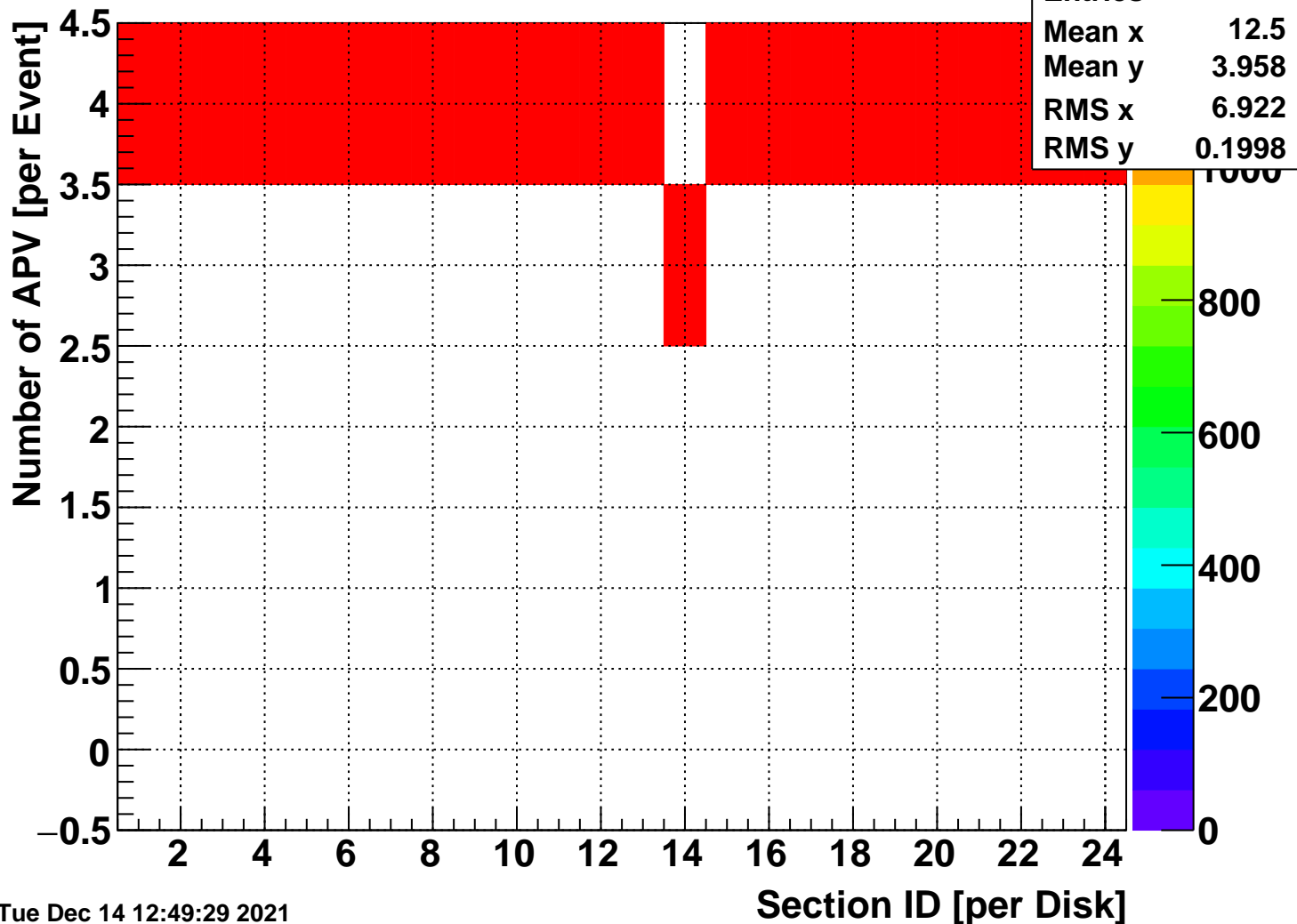




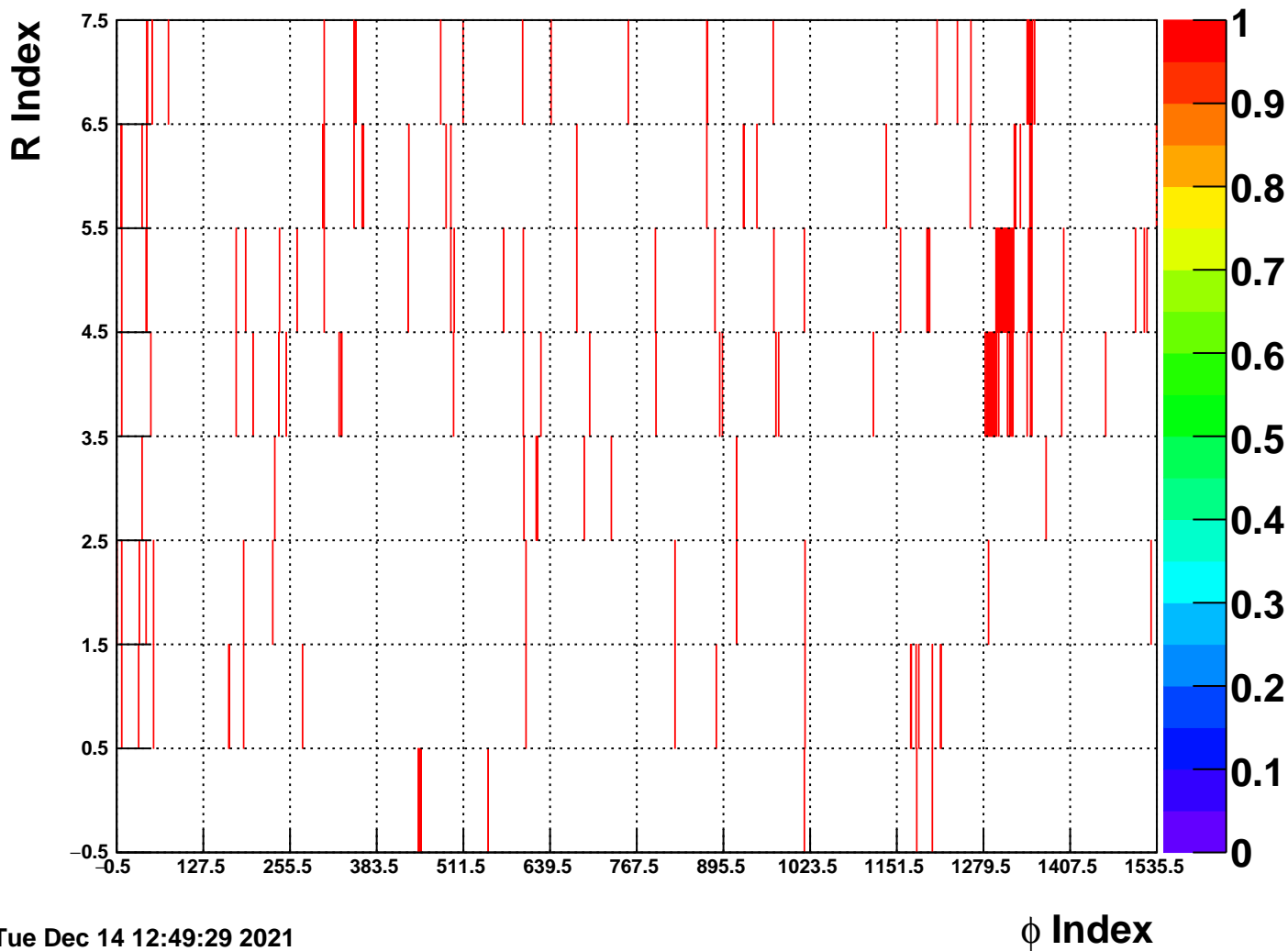
# FST - Visible APVs per Module for Disk2



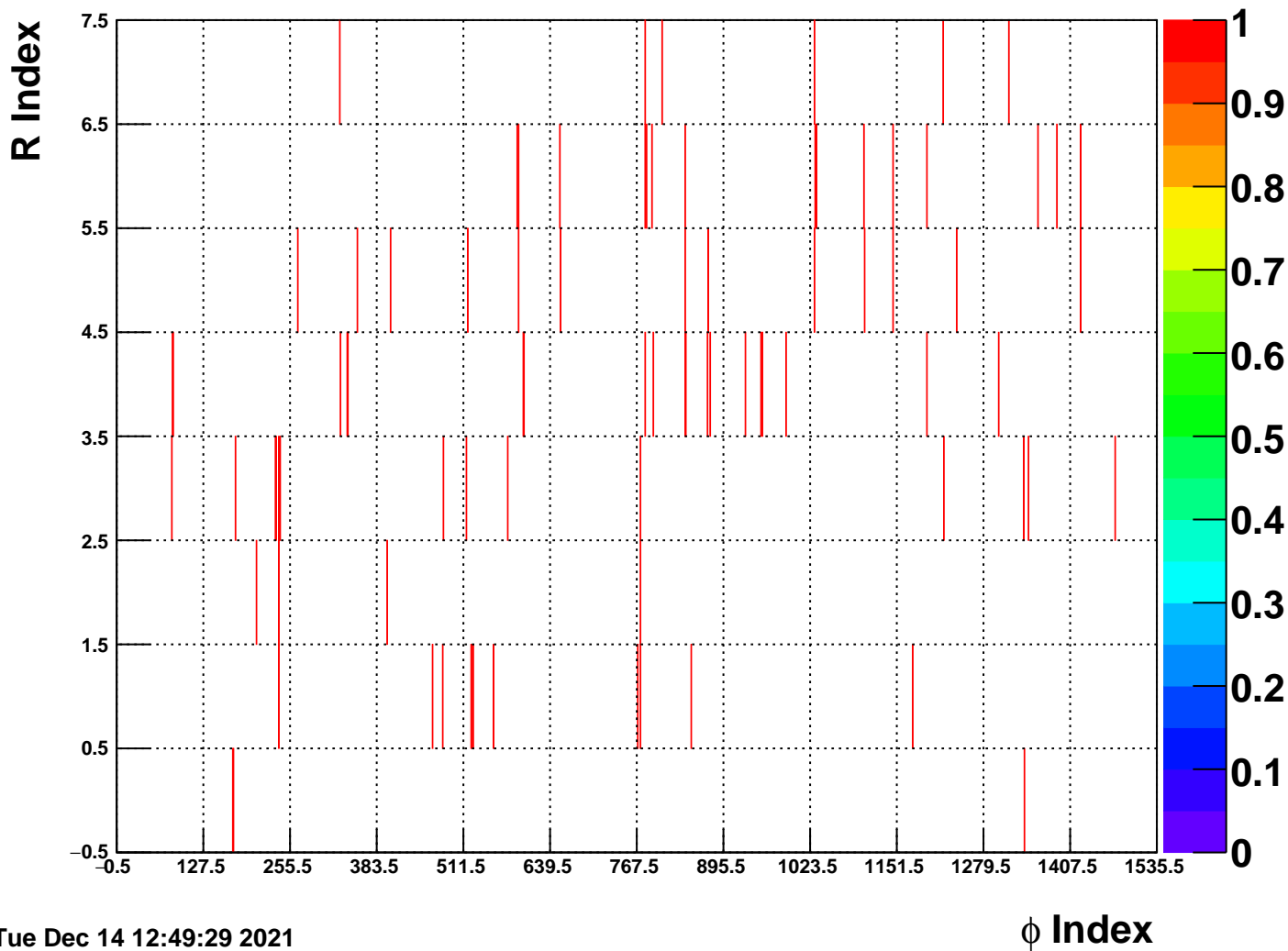
# FST - Visible APVs per Module for Disk3



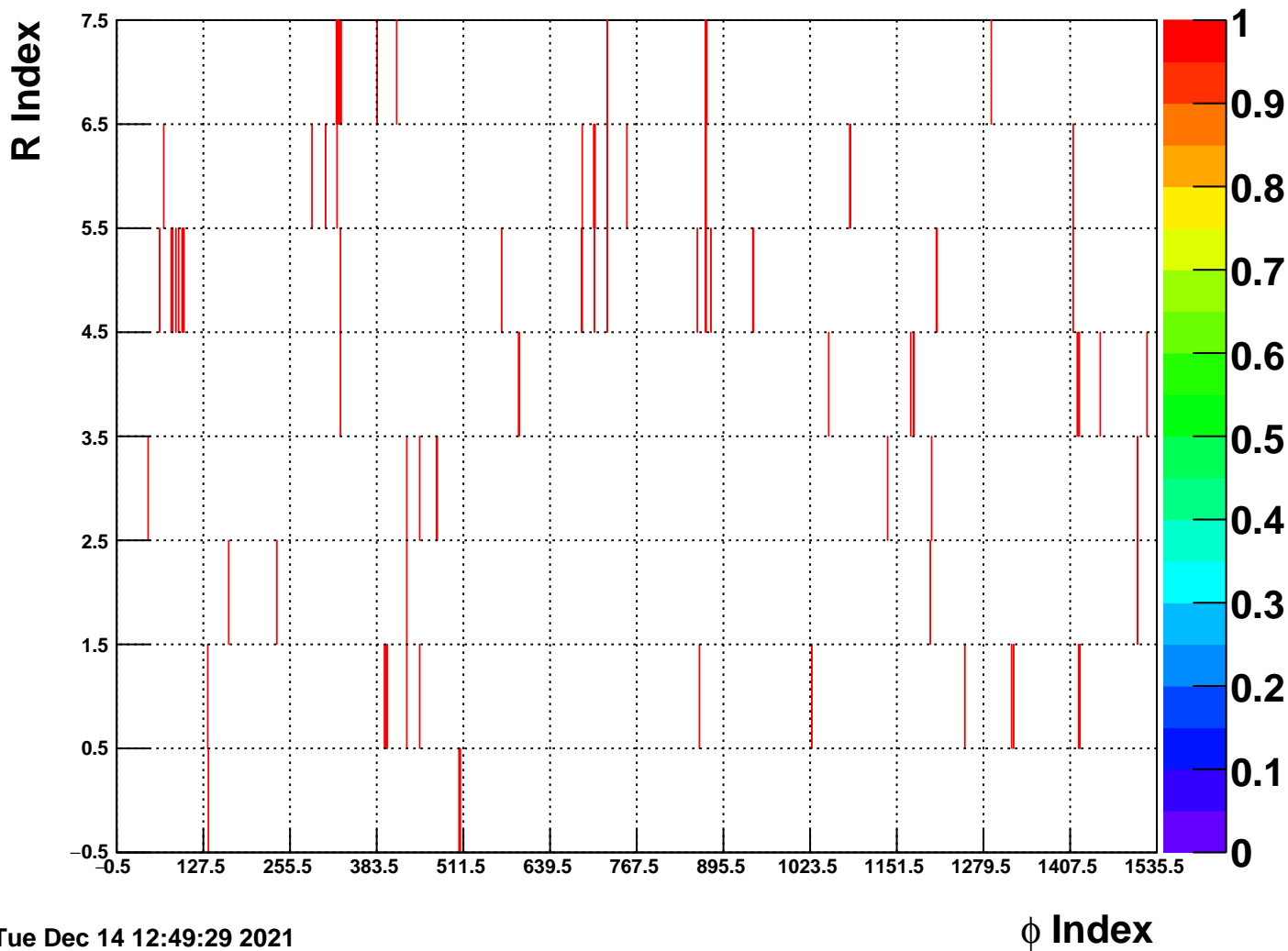
# FST - Hit map (non-ZS) for Disk1



# FST - Hit map (non-ZS) for Disk2

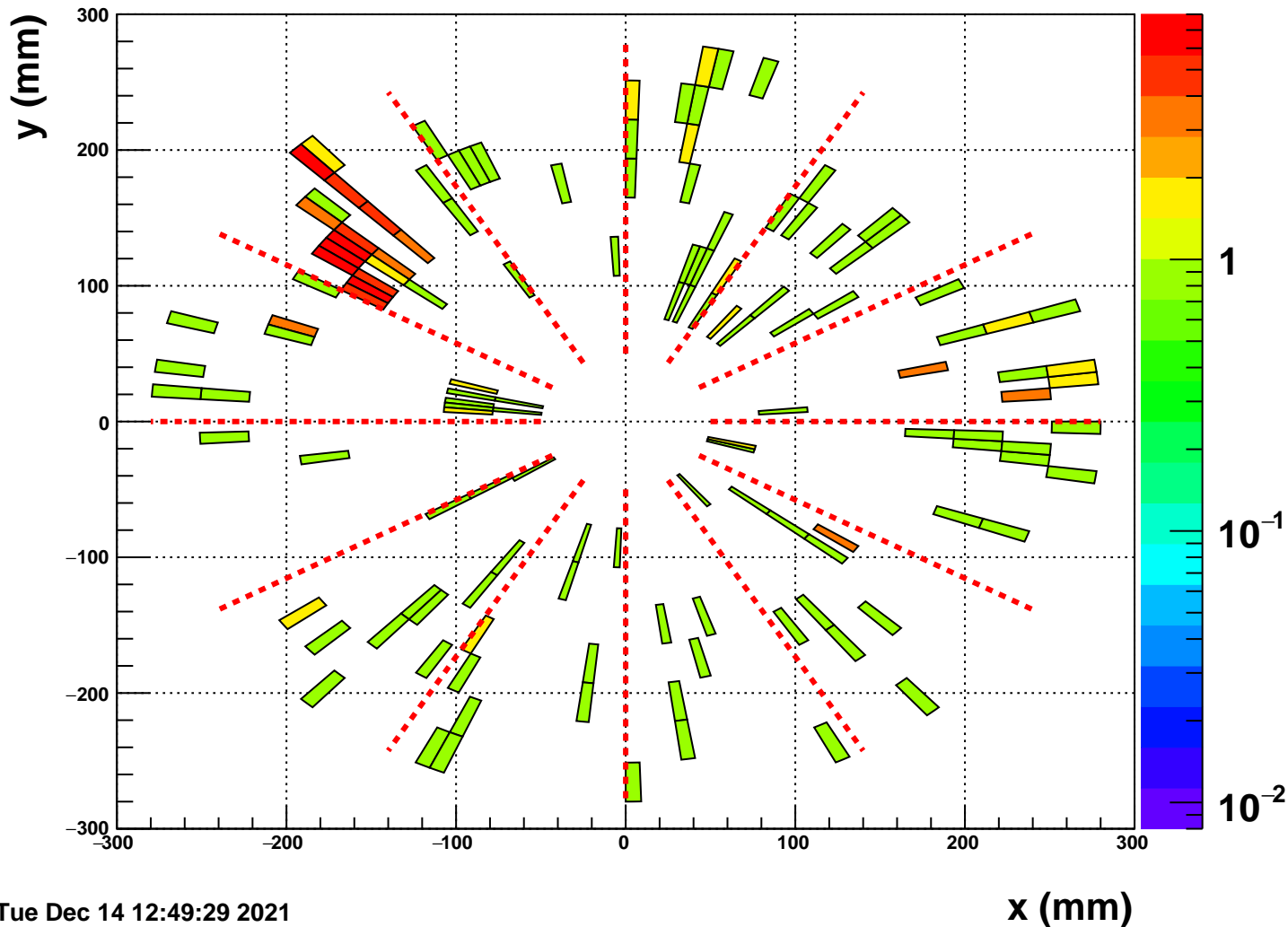


# FST - Hit map (non-ZS) for Disk3

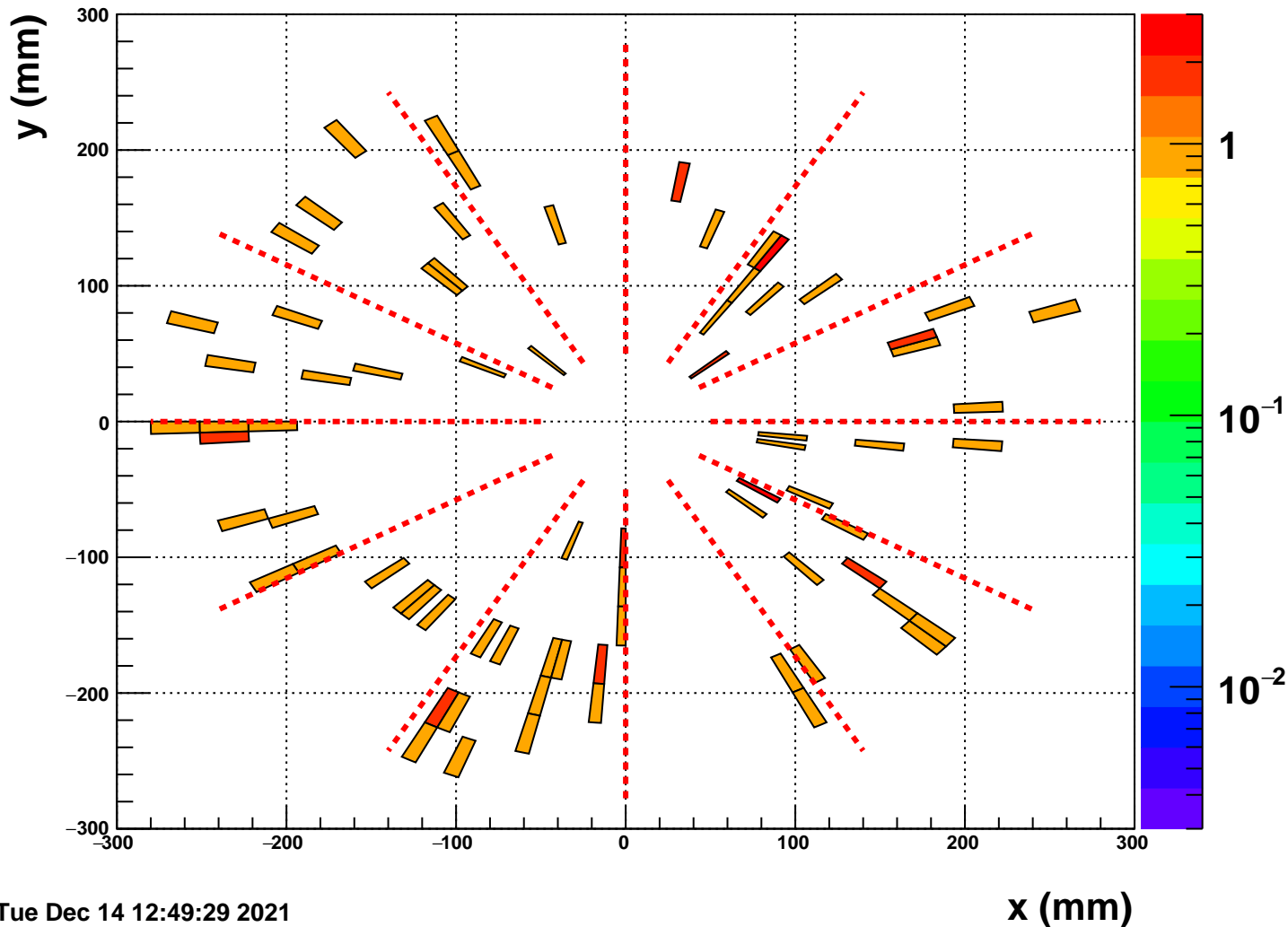


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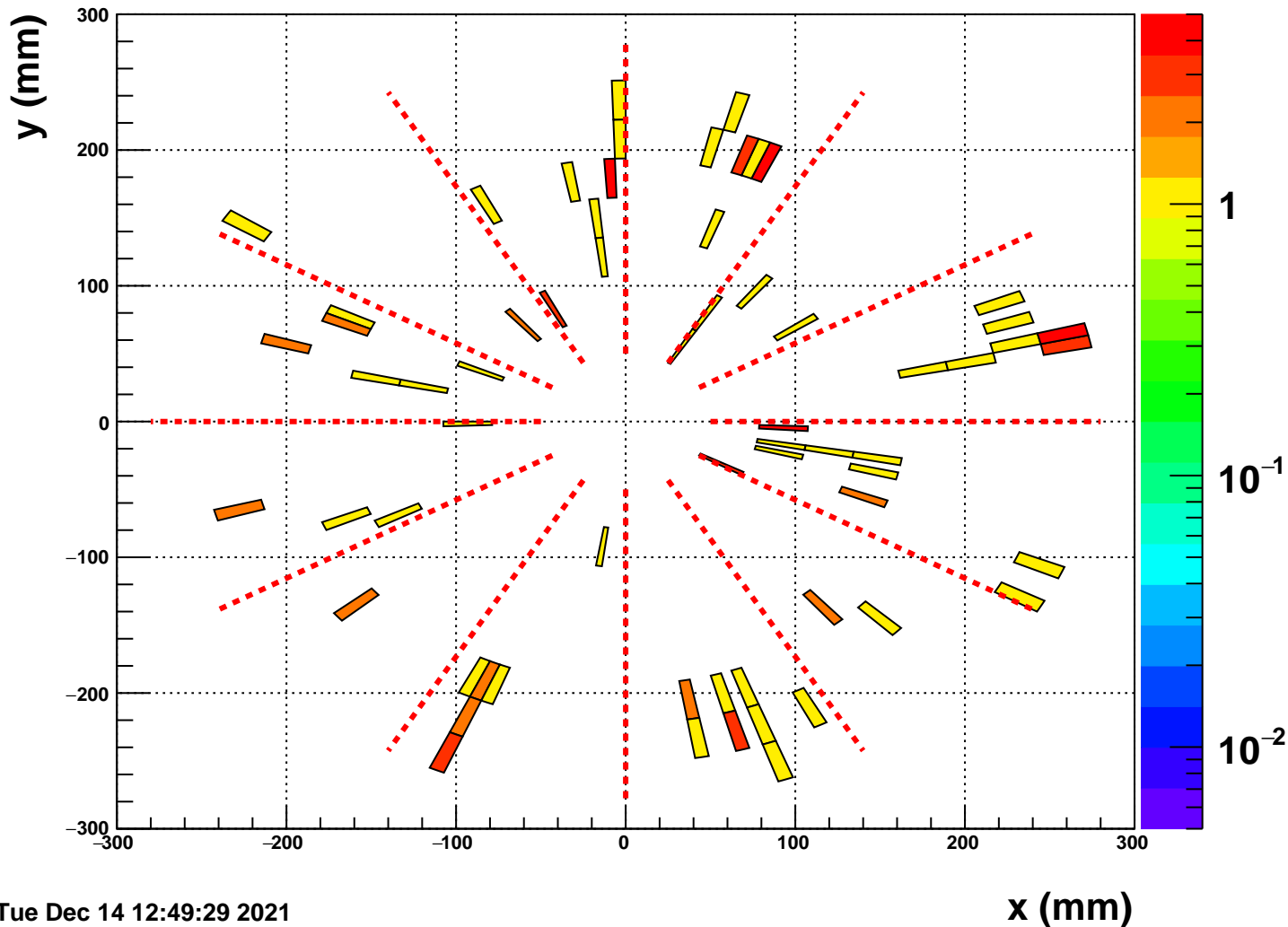
# FST - Hit Map Display (non-ZS) for Disk1



# FST - Hit Map Display (non-ZS) for Disk2



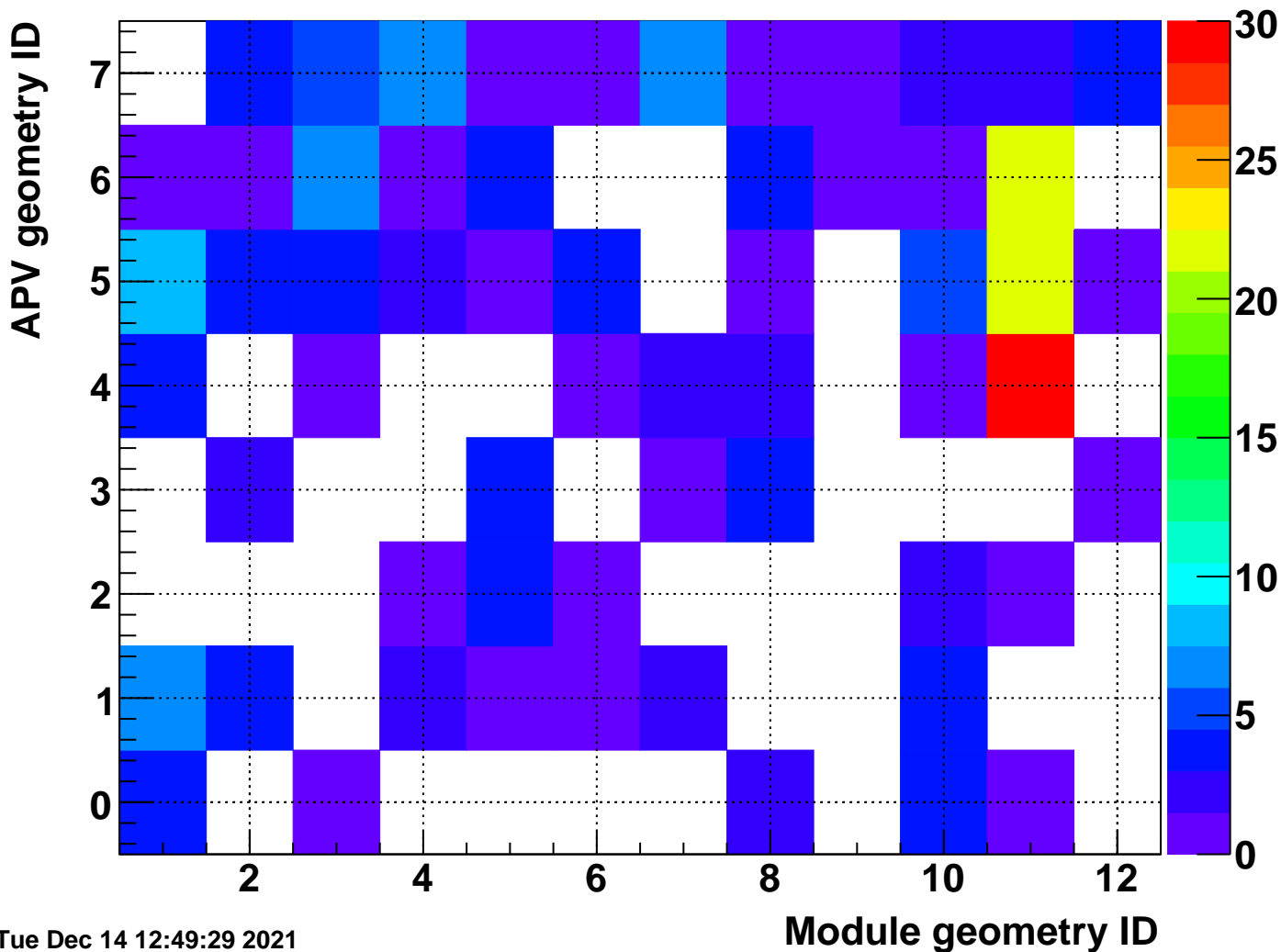
# FST - Hit Map Display (non-ZS) for Disk3



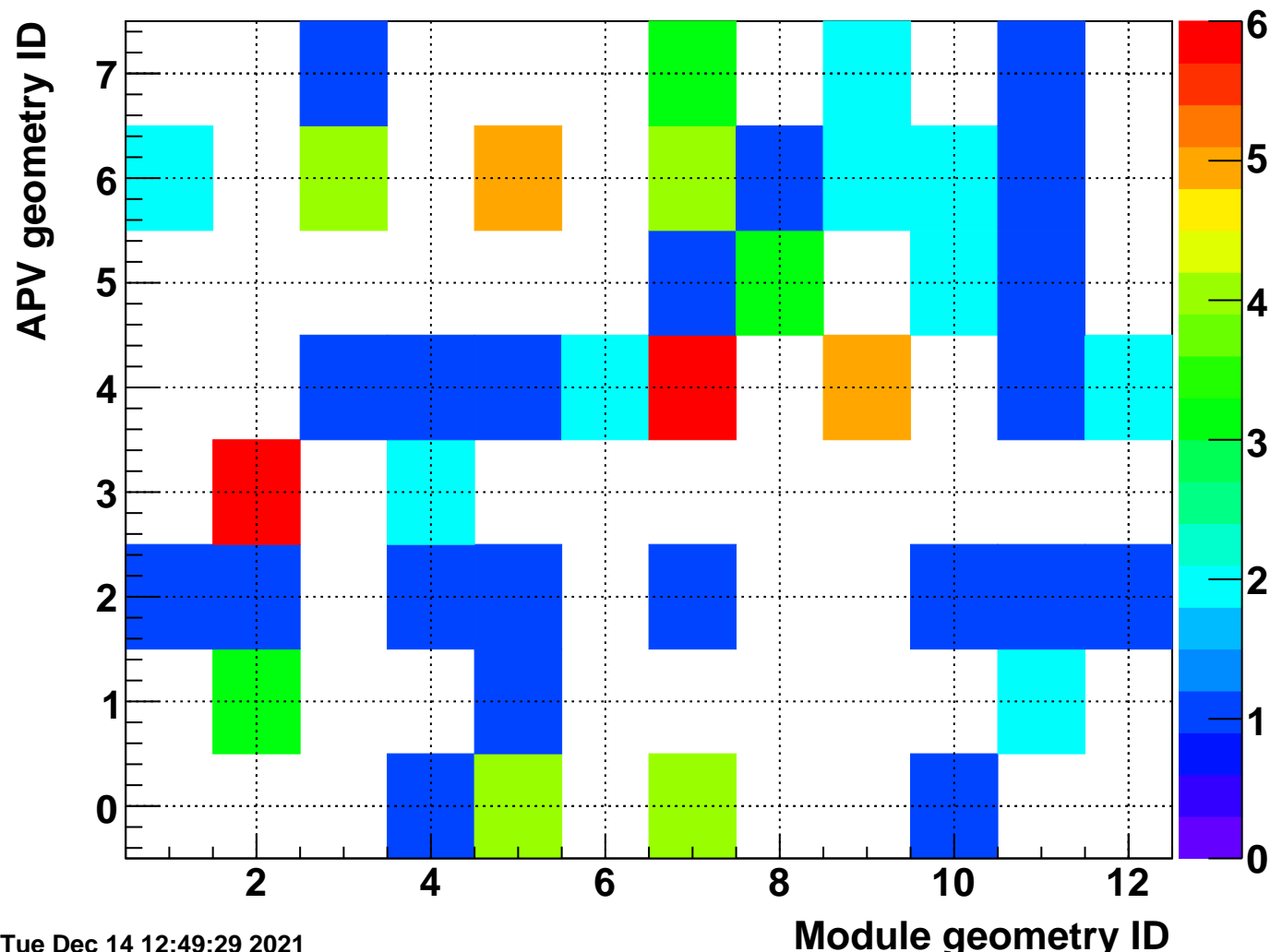
Tue Dec 14 12:49:29 2021



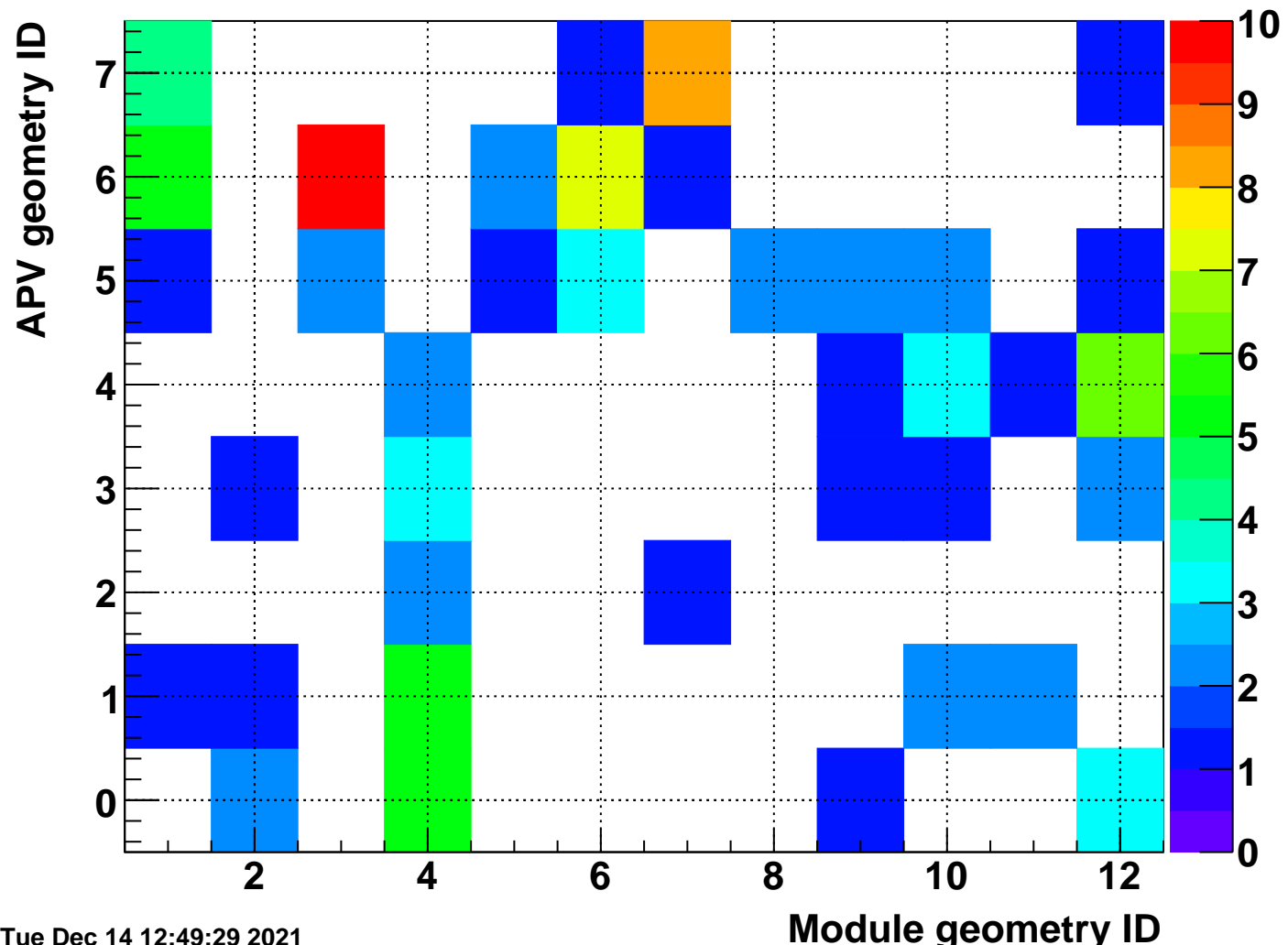
**FST - Hit map in Module vs APV (non-ZS) for Disk1**



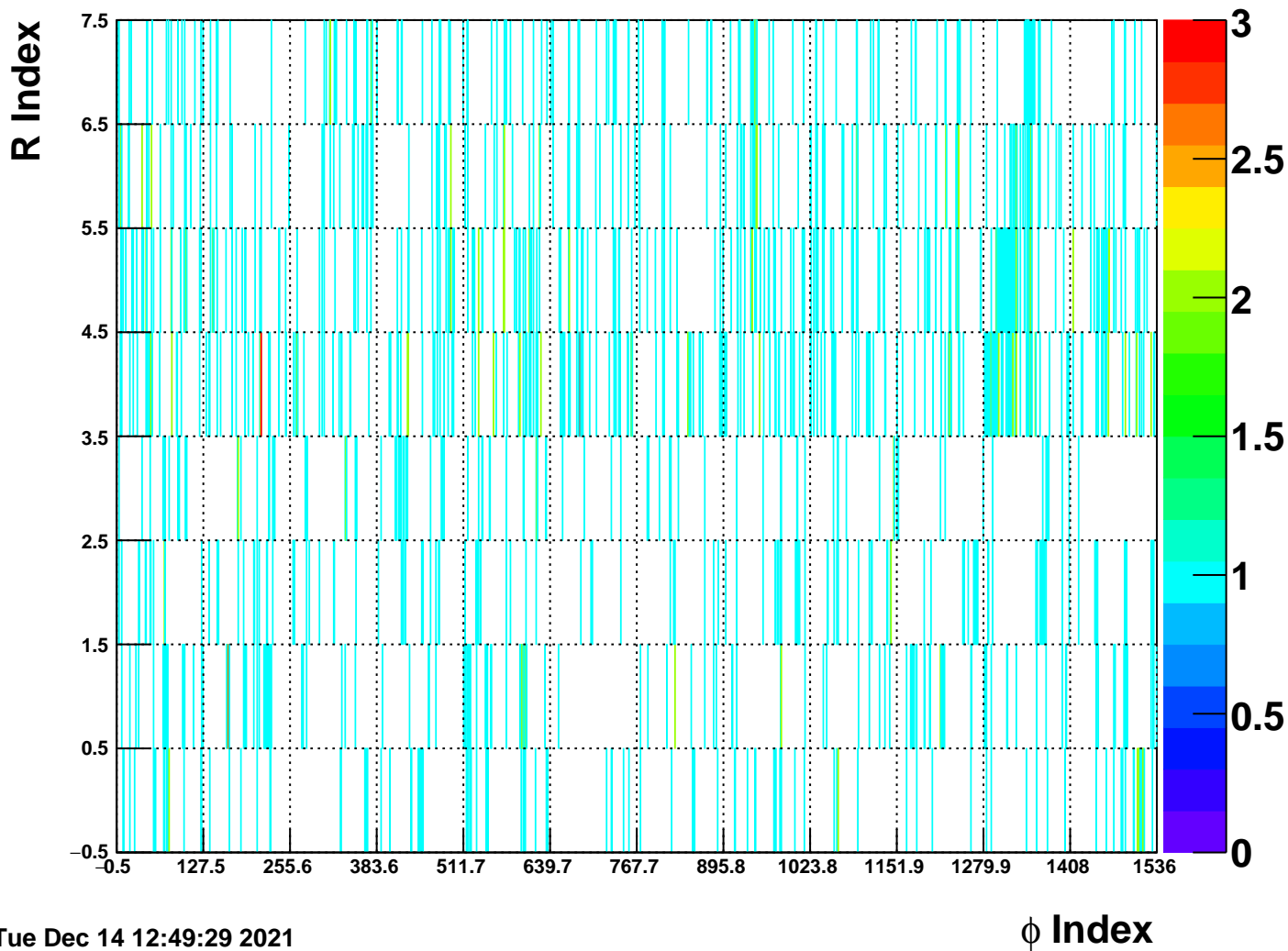
FST - Hit map in Module vs APV (non-ZS) for Disk2	
APV	Module
0	0
0	1
0	2
0	3
0	4
0	5
0	6
0	7
0	8
0	9
0	10
0	11
0	12
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FST - Hit map in Module vs APV (non-ZS) for Disk3	
APV	Module
0	0
0	1
0	2
0	3
0	4
0	5
0	6
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0	9
0	10
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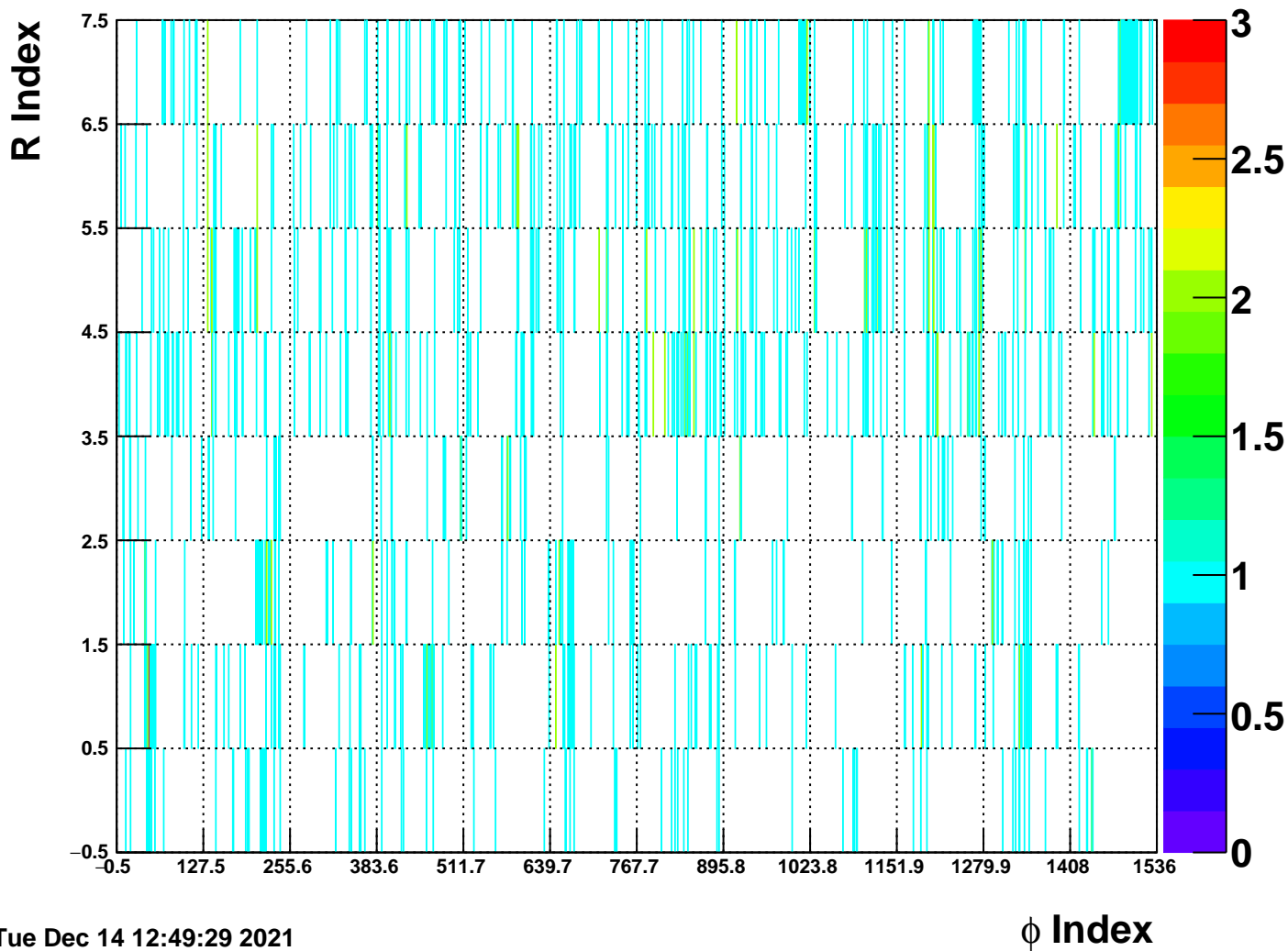


# FST - Hit map (ZS) for Disk1



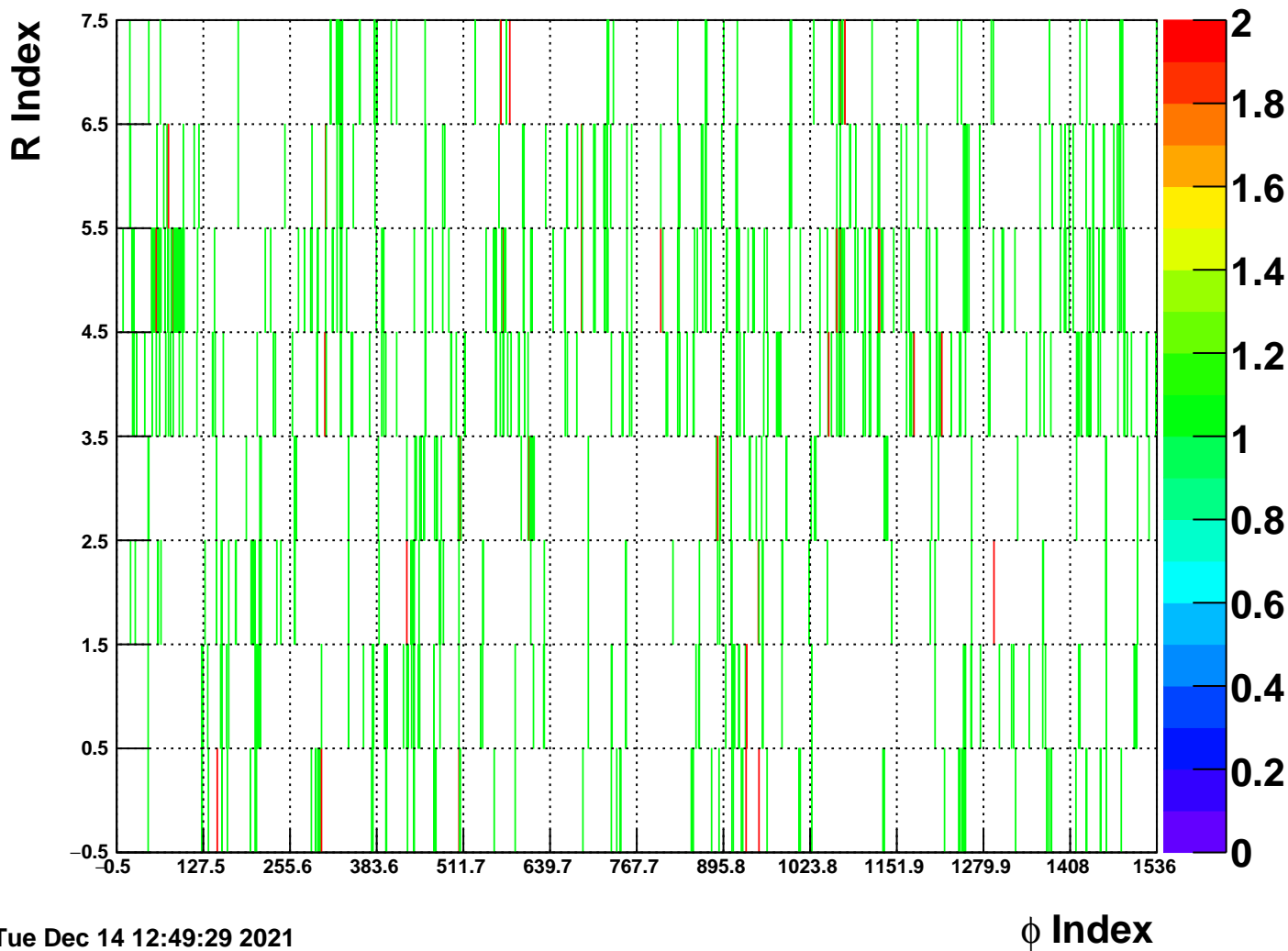
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# FST - Hit map (ZS) for Disk2

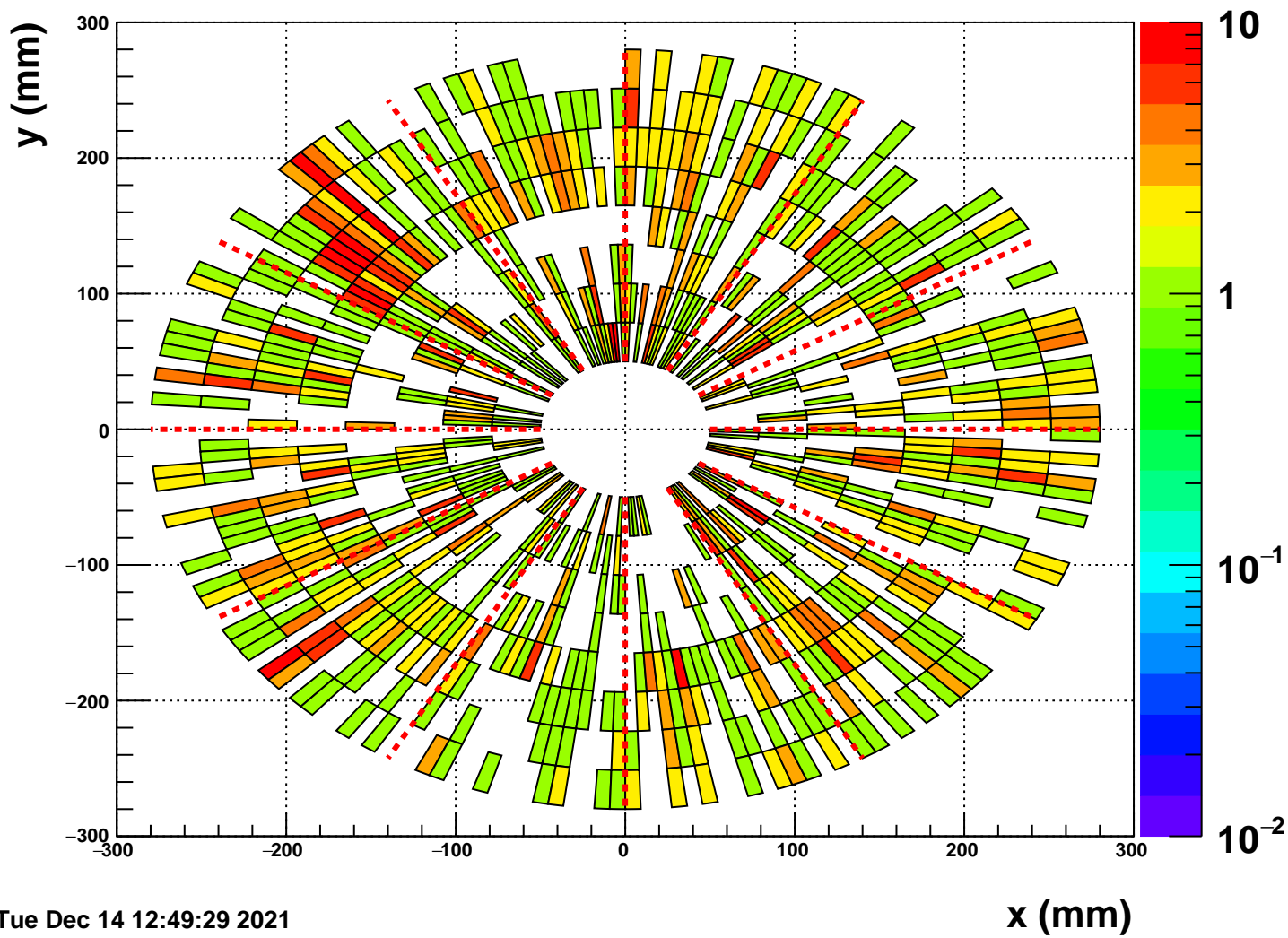


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# FST - Hit map (ZS) for Disk3



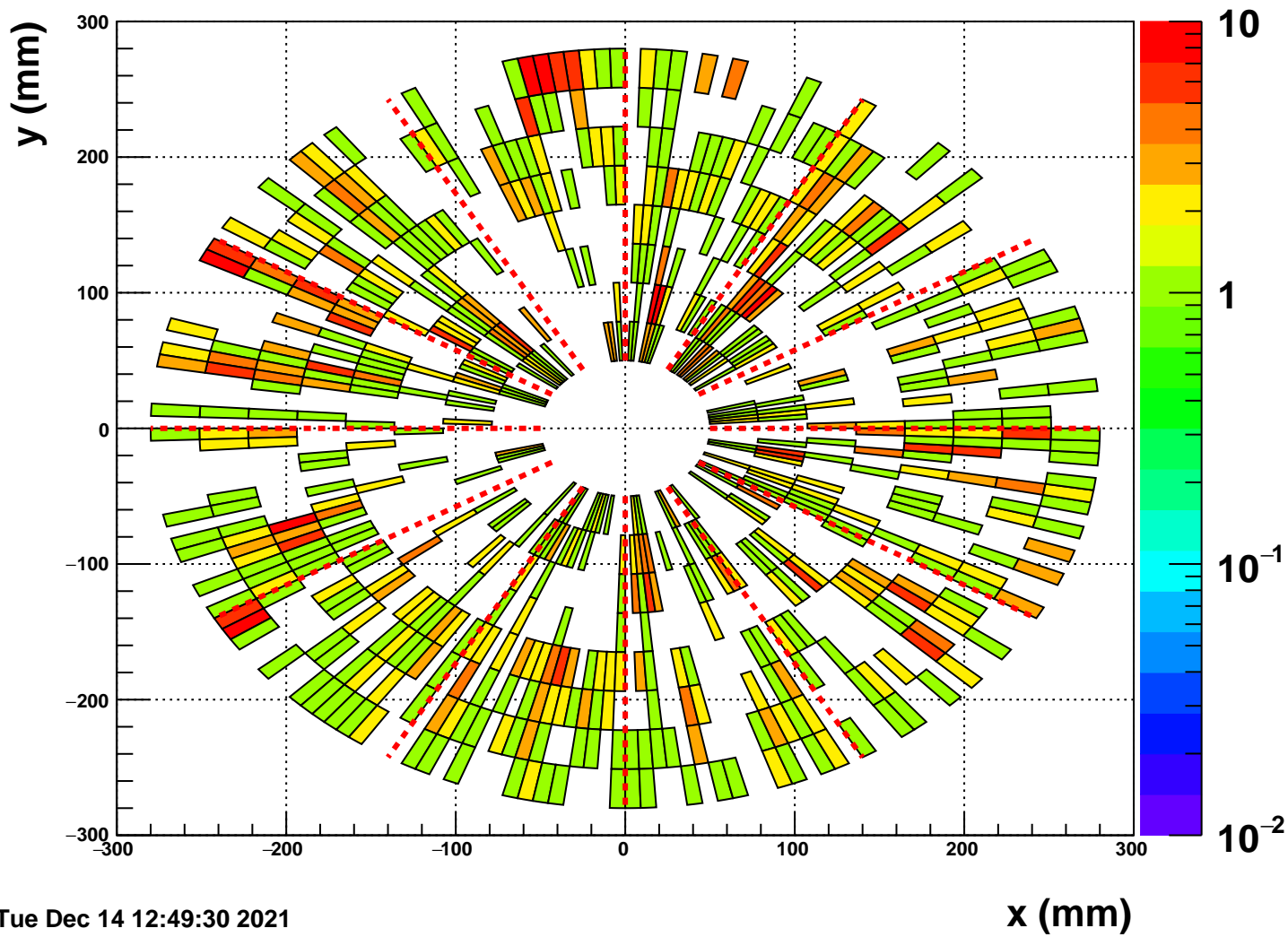
# FST - Hit Map Display (ZS) for Disk1



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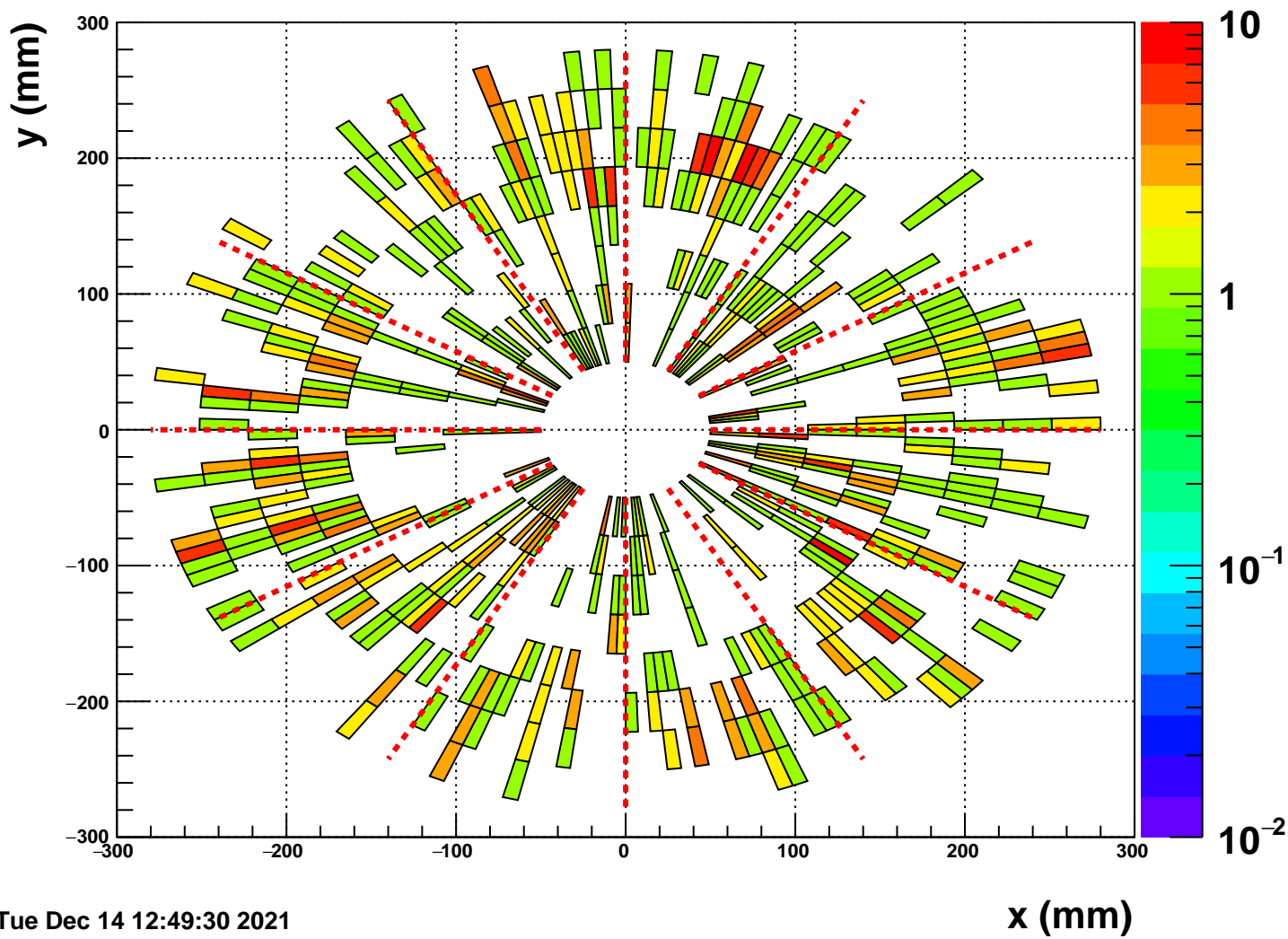
x (mm)

# FST - Hit Map Display (ZS) for Disk2

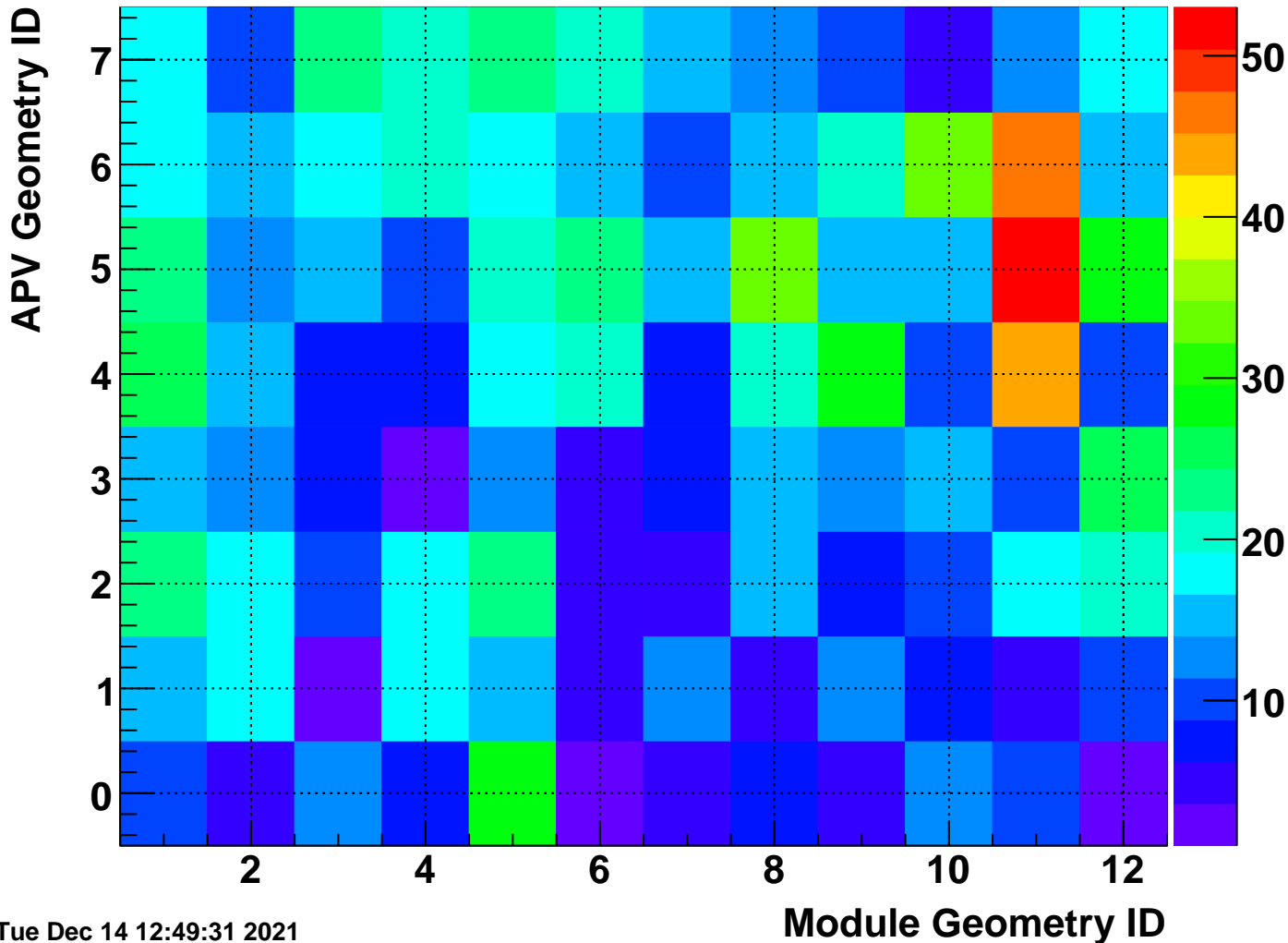




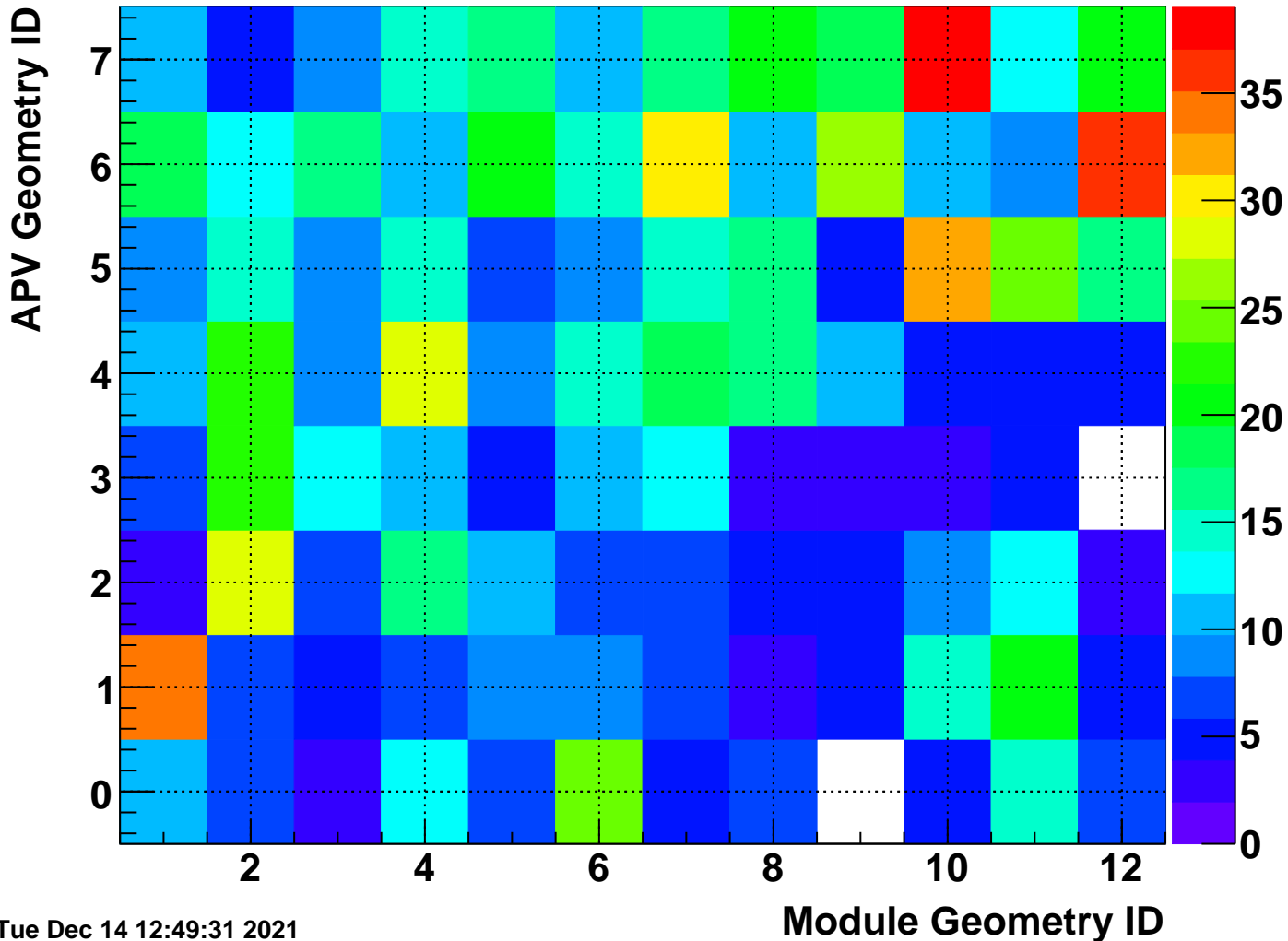
# FST - Hit Map Display (ZS) for Disk3



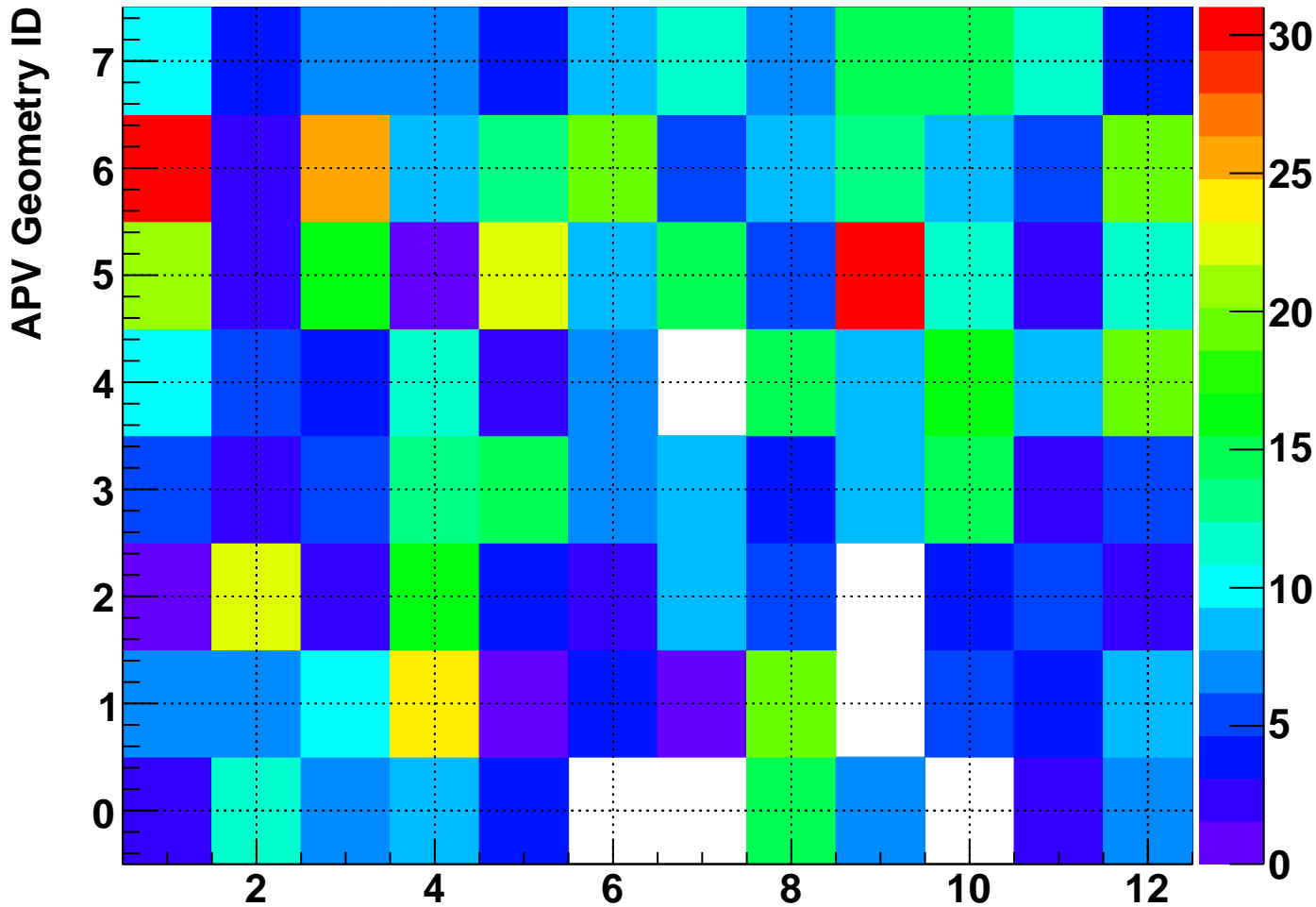
# FST - Hit map in Module vs APV (ZS) for Disk1



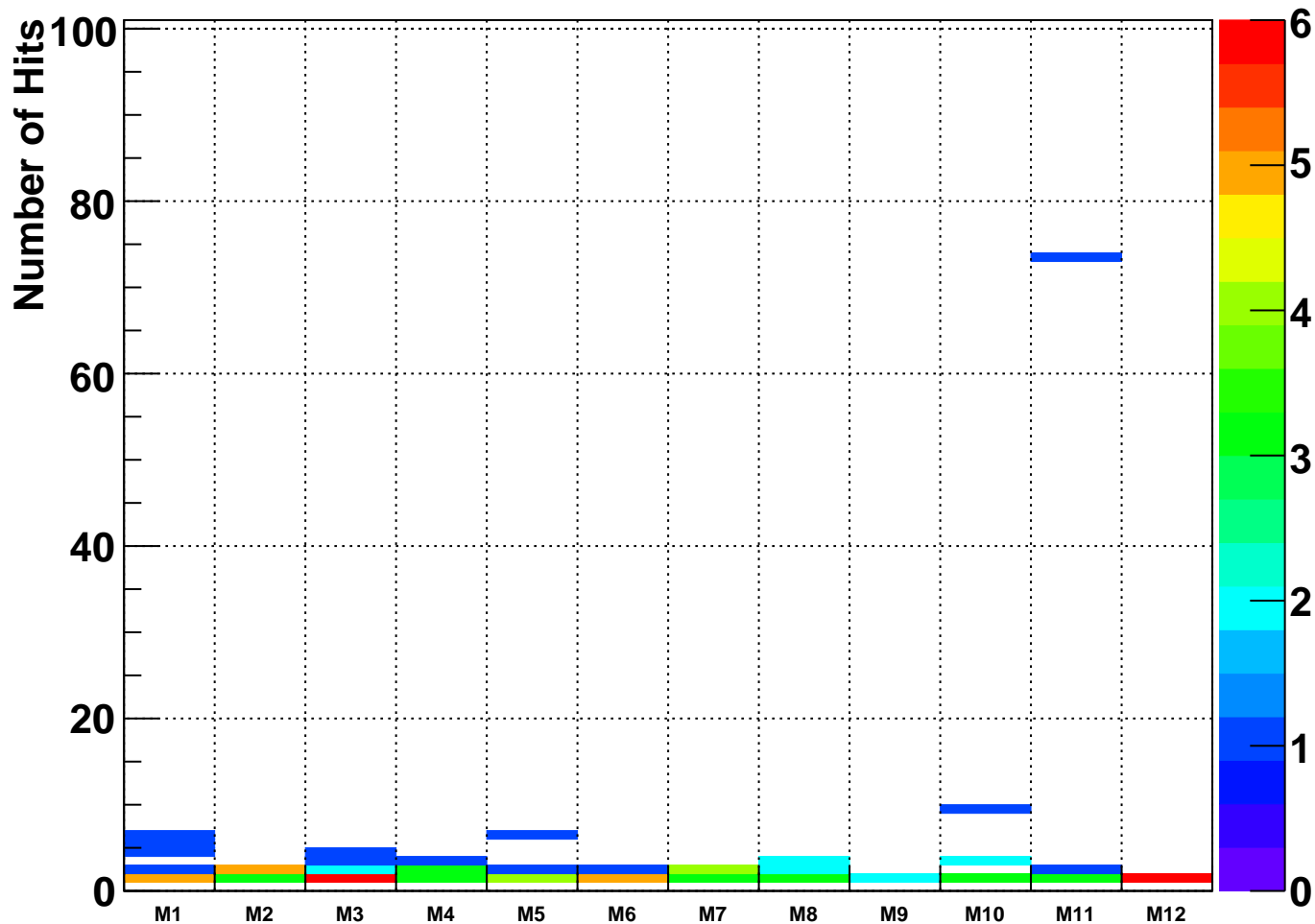
# FST - Hit map in Module vs APV (ZS) for Disk2



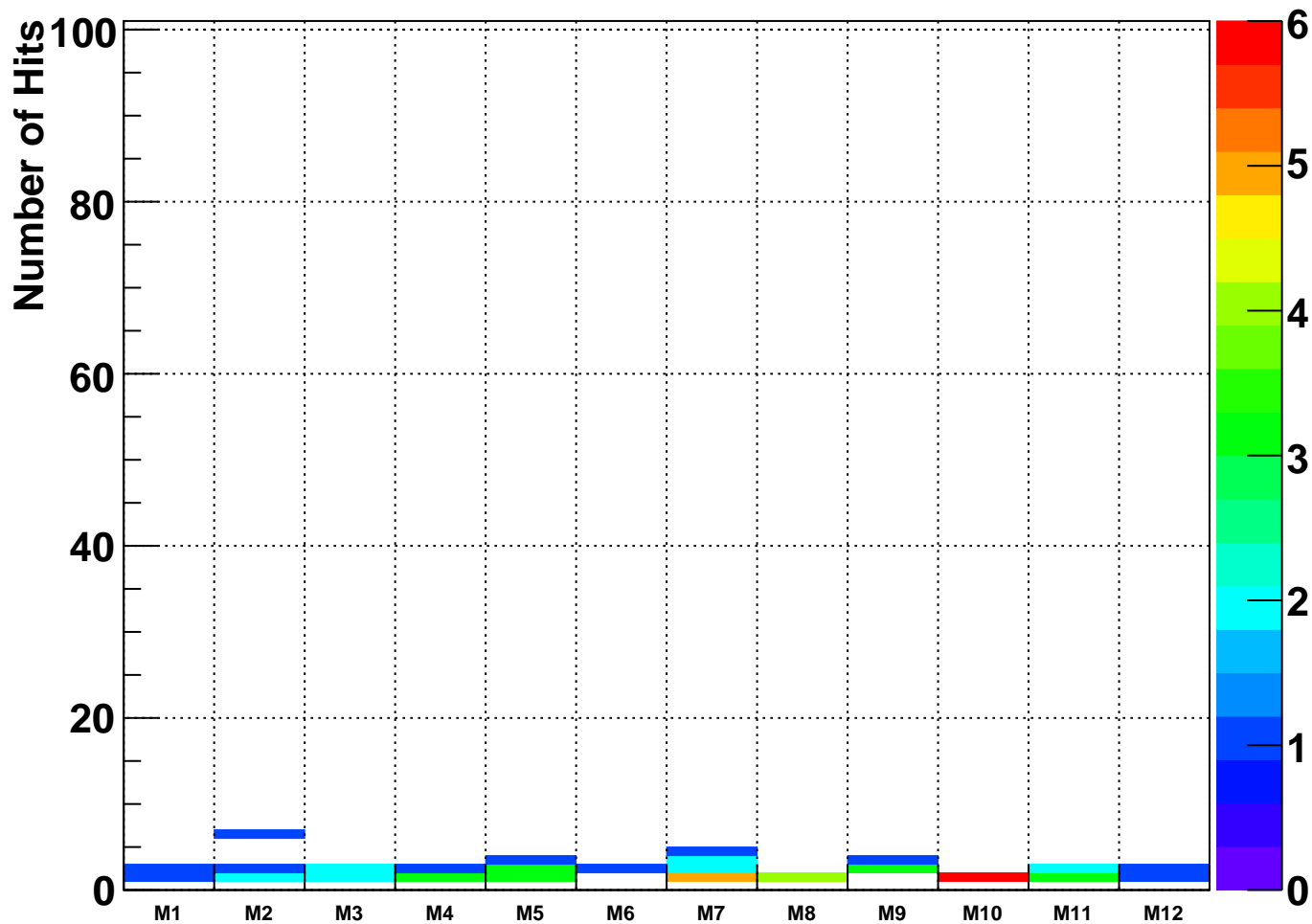
# FST - Hit map in Module vs APV (ZS) for Disk3



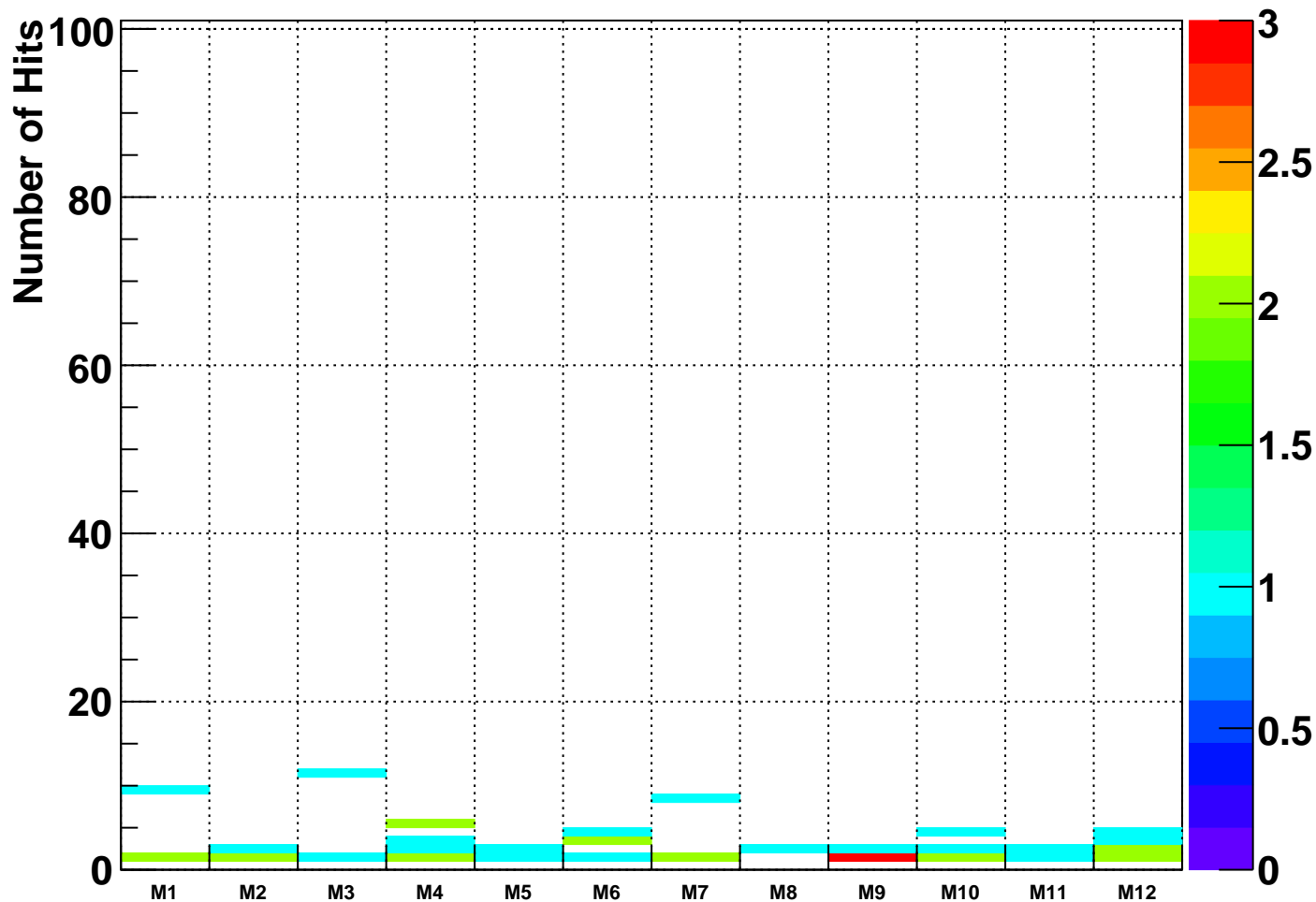
# FST - Hit Multiplicity (non-ZS) vs Module Id for Disk1



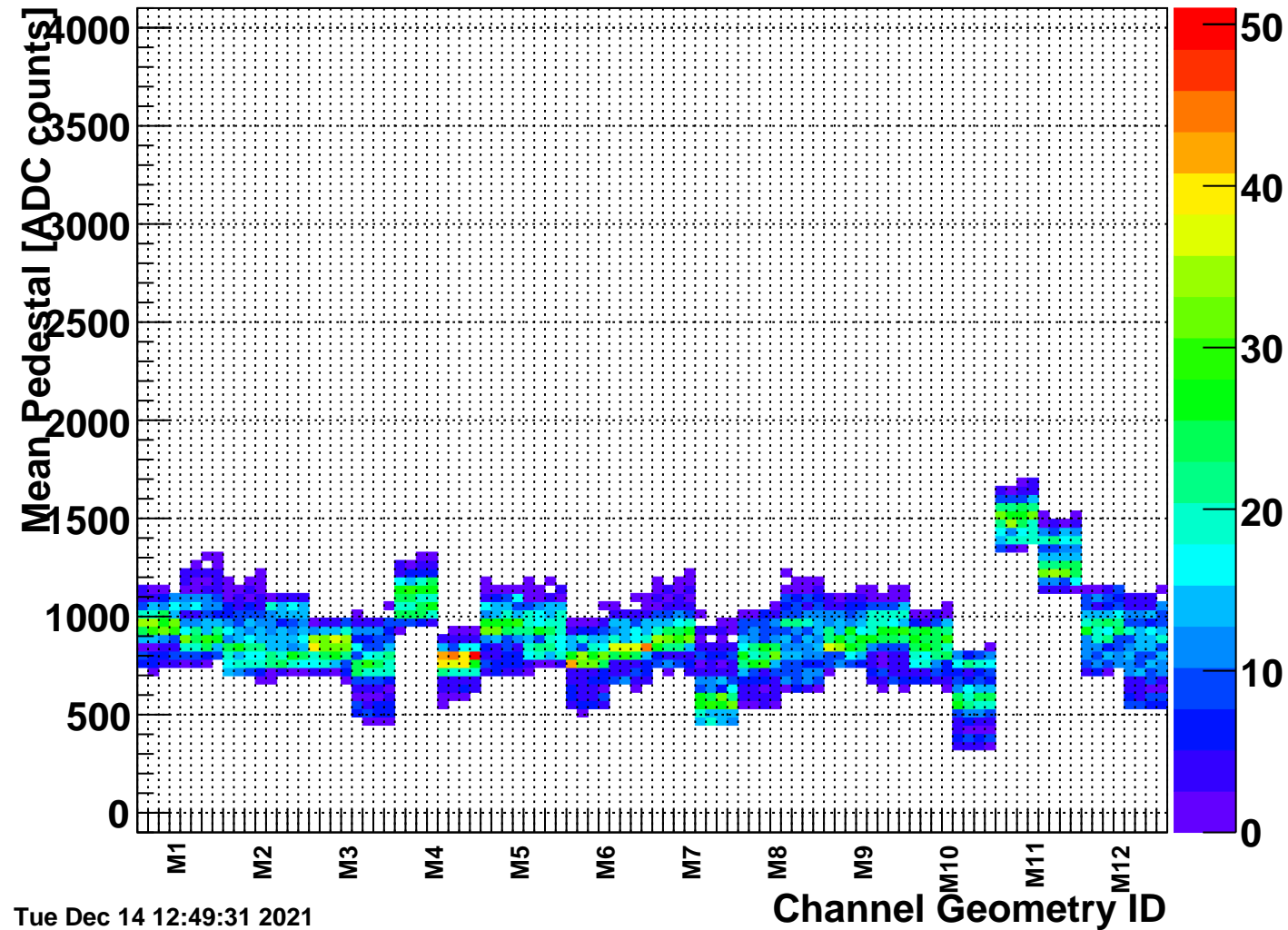
**FST - Hit Multiplicity (non-ZS) vs Module Id for Disk2**



**FST - Hit Multiplicity (non-ZS) vs Module Id for Disk3**

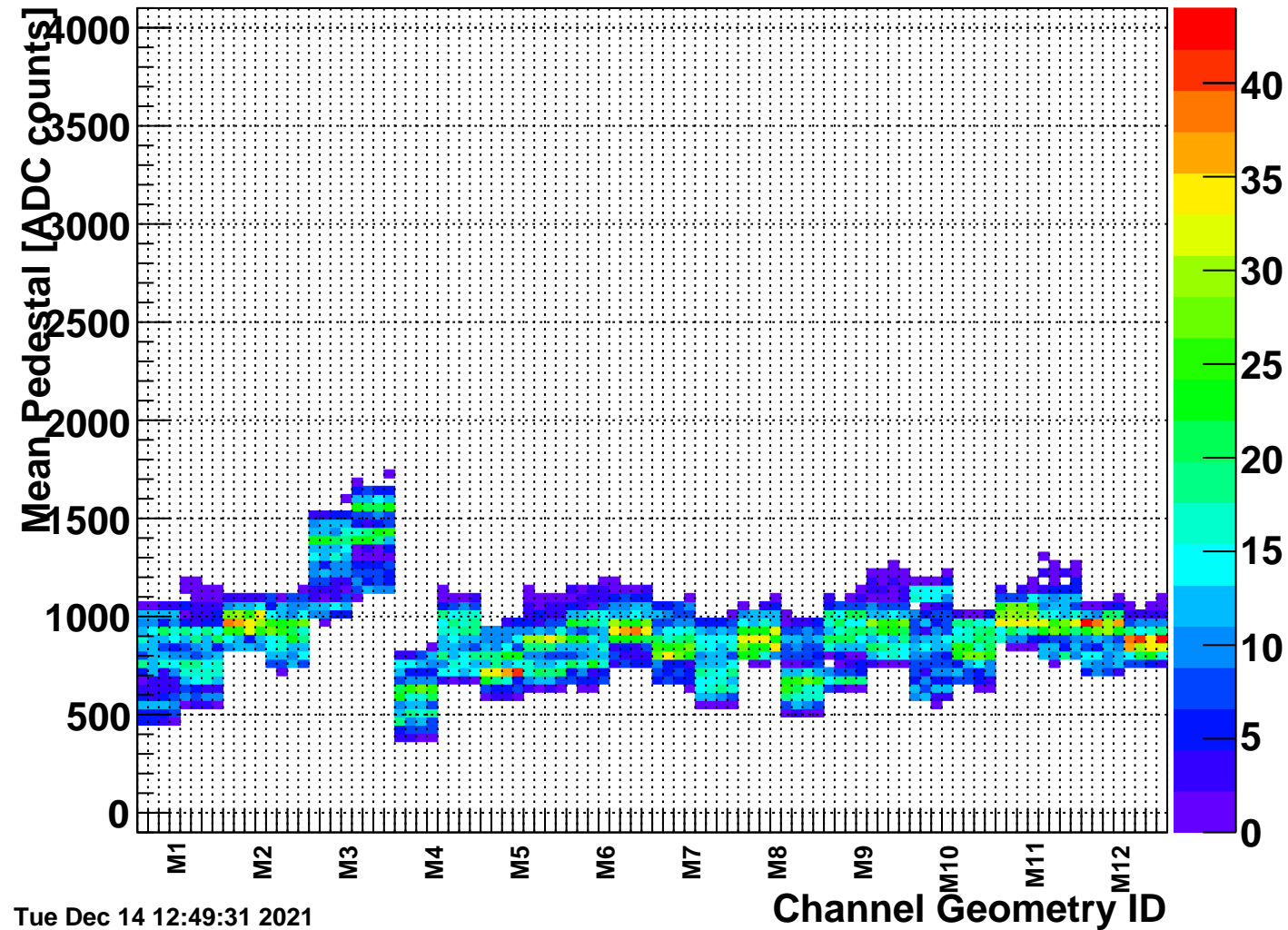


# FST - Pedestal vs Channel for Disk1

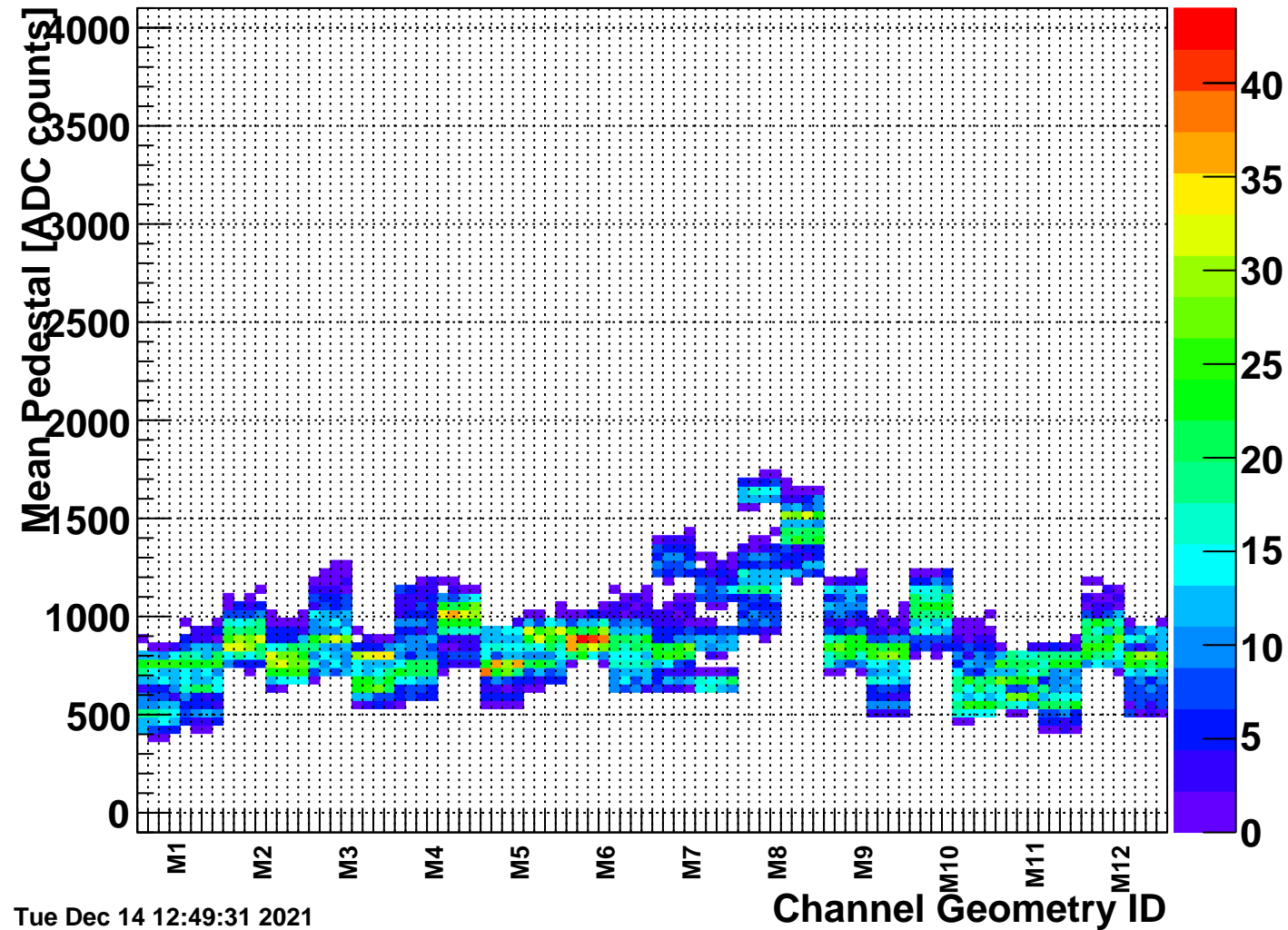




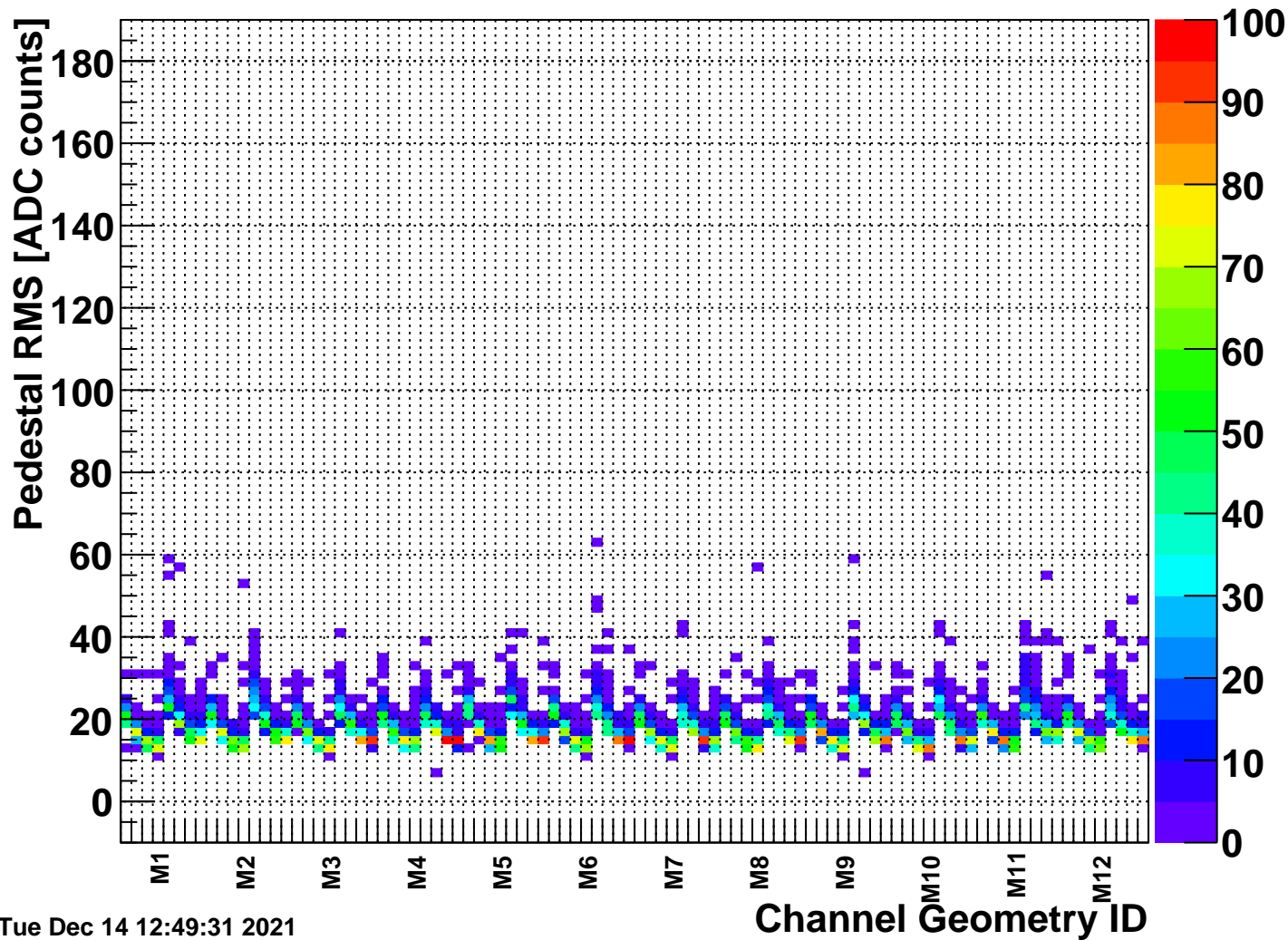
# FST - Pedestal vs Channel for Disk2



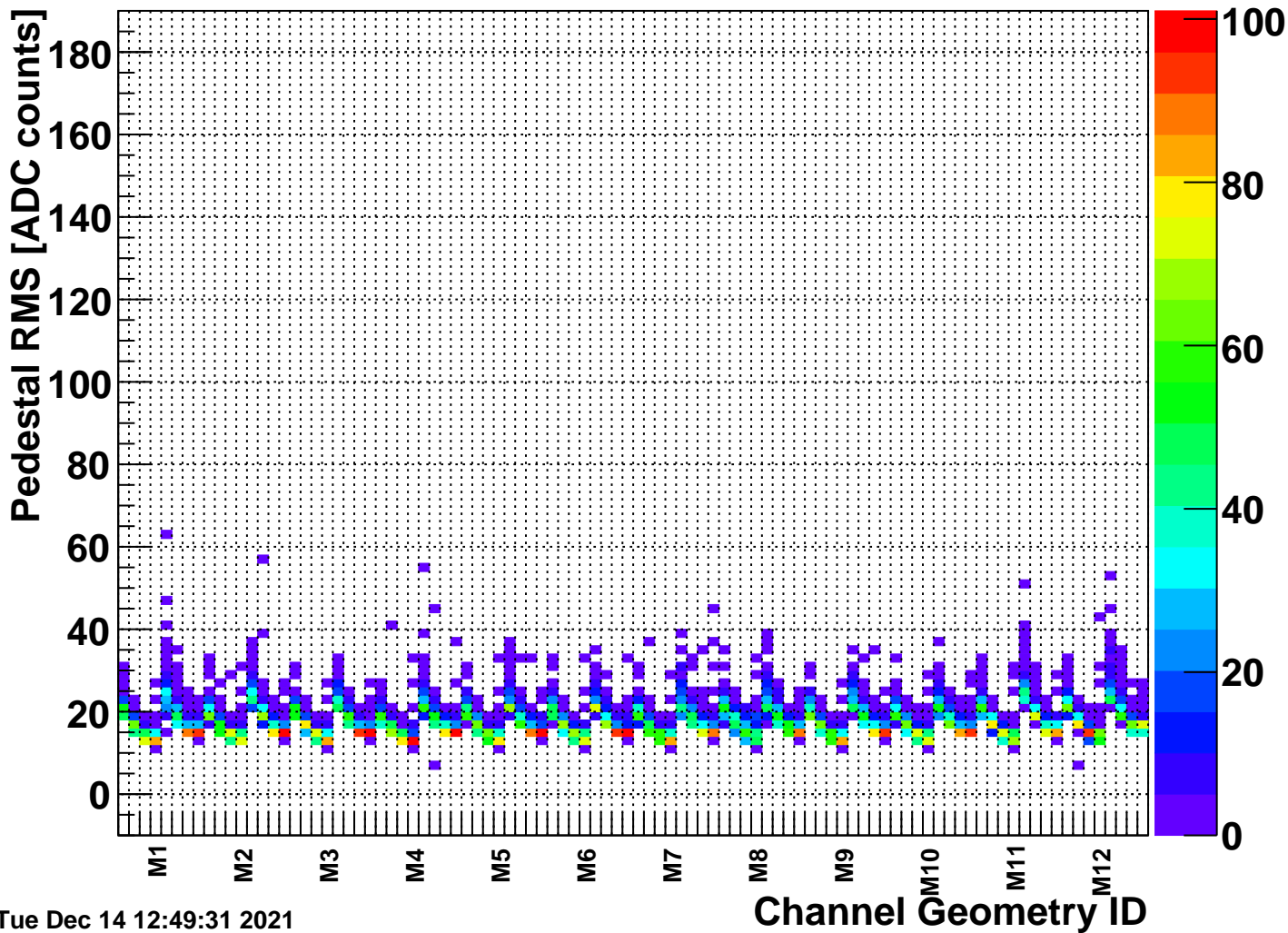
# FST - Pedestal vs Channel for Disk3



# FST - RMS vs Channel for Disk1

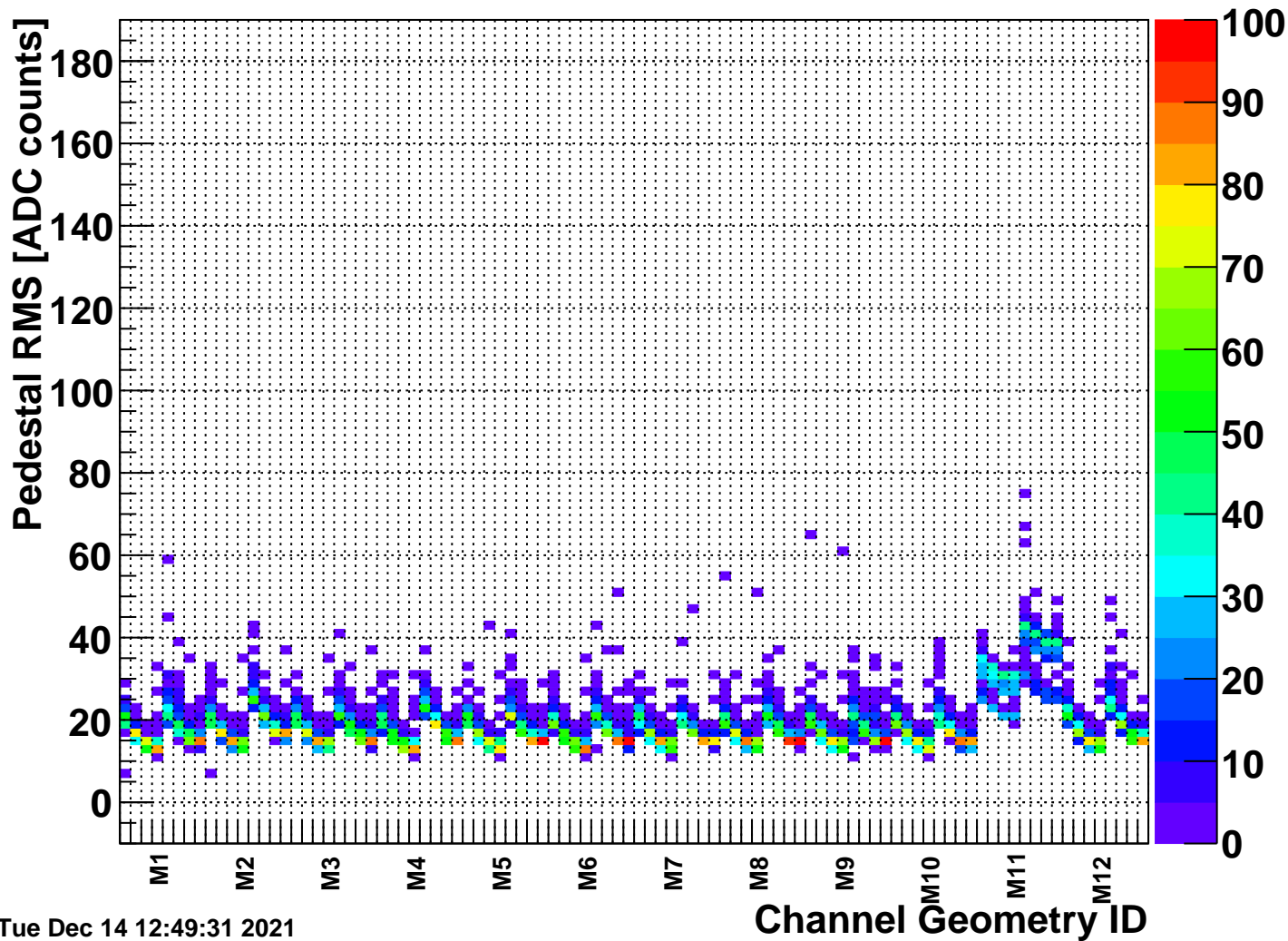


# FST - RMS vs Channel for Disk2

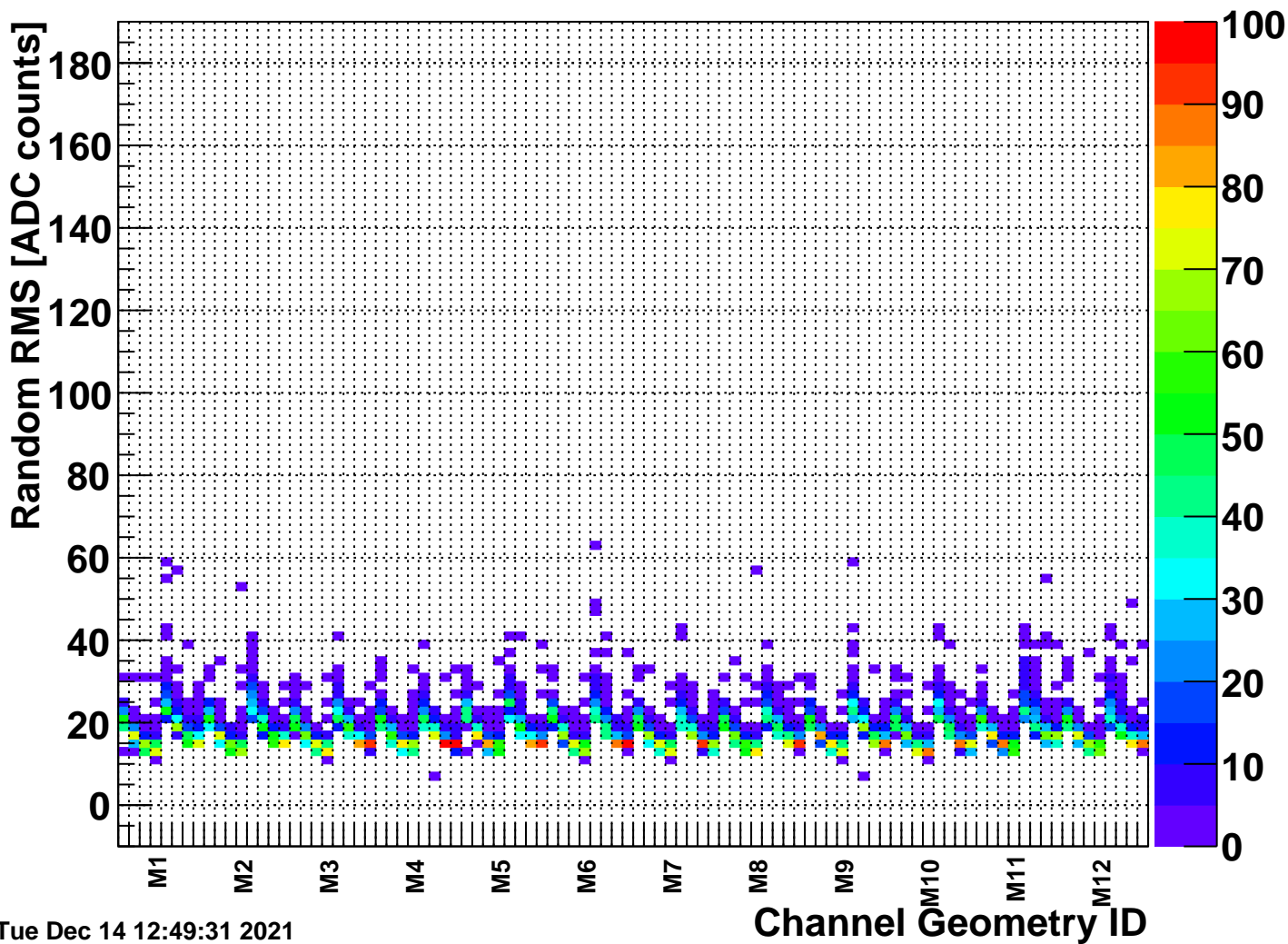


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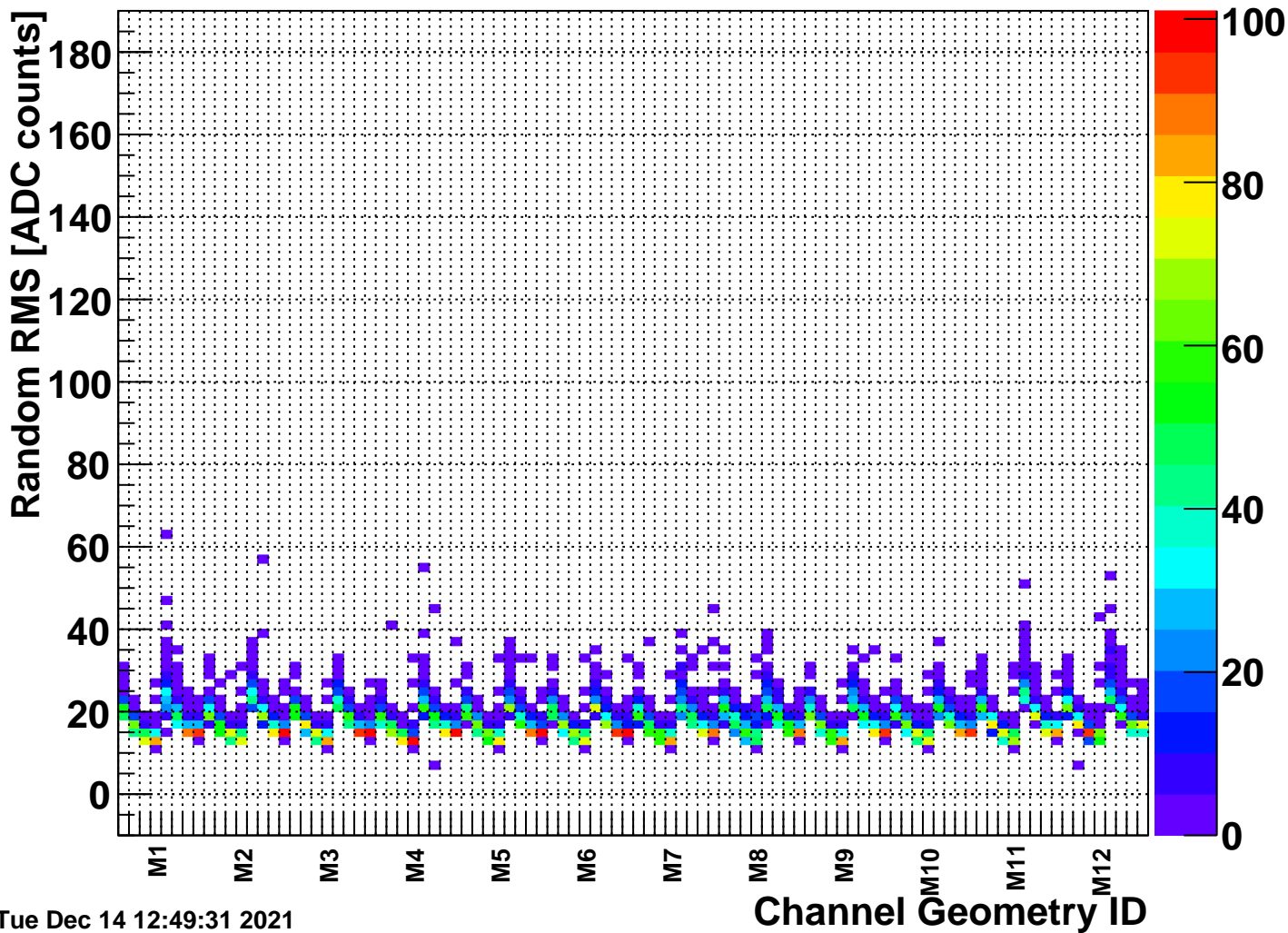
# FST - RMS vs Channel for Disk3



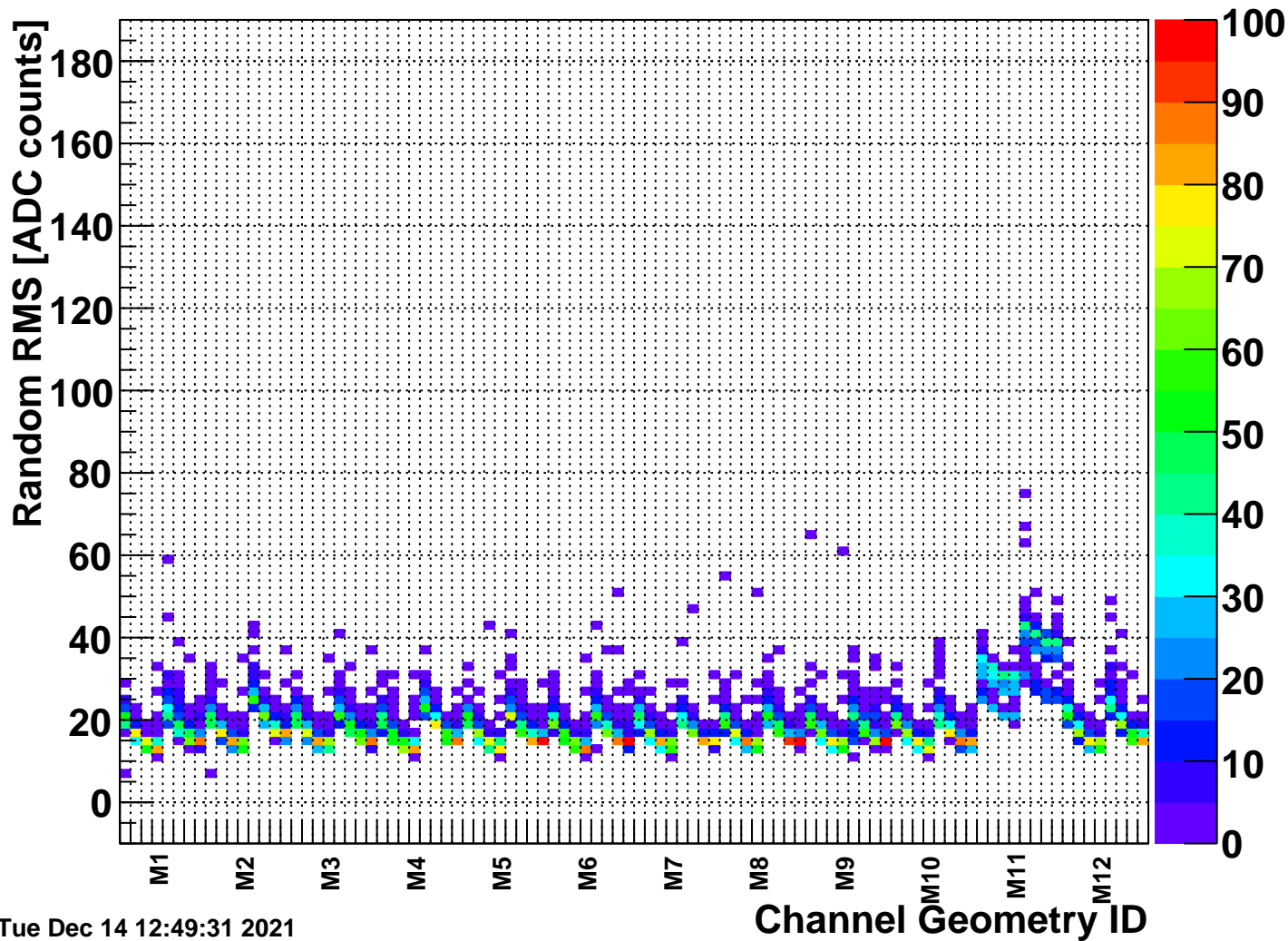
# FST - Random RMS vs Channel for Disk1



# FST - Random RMS vs Channel for Disk2

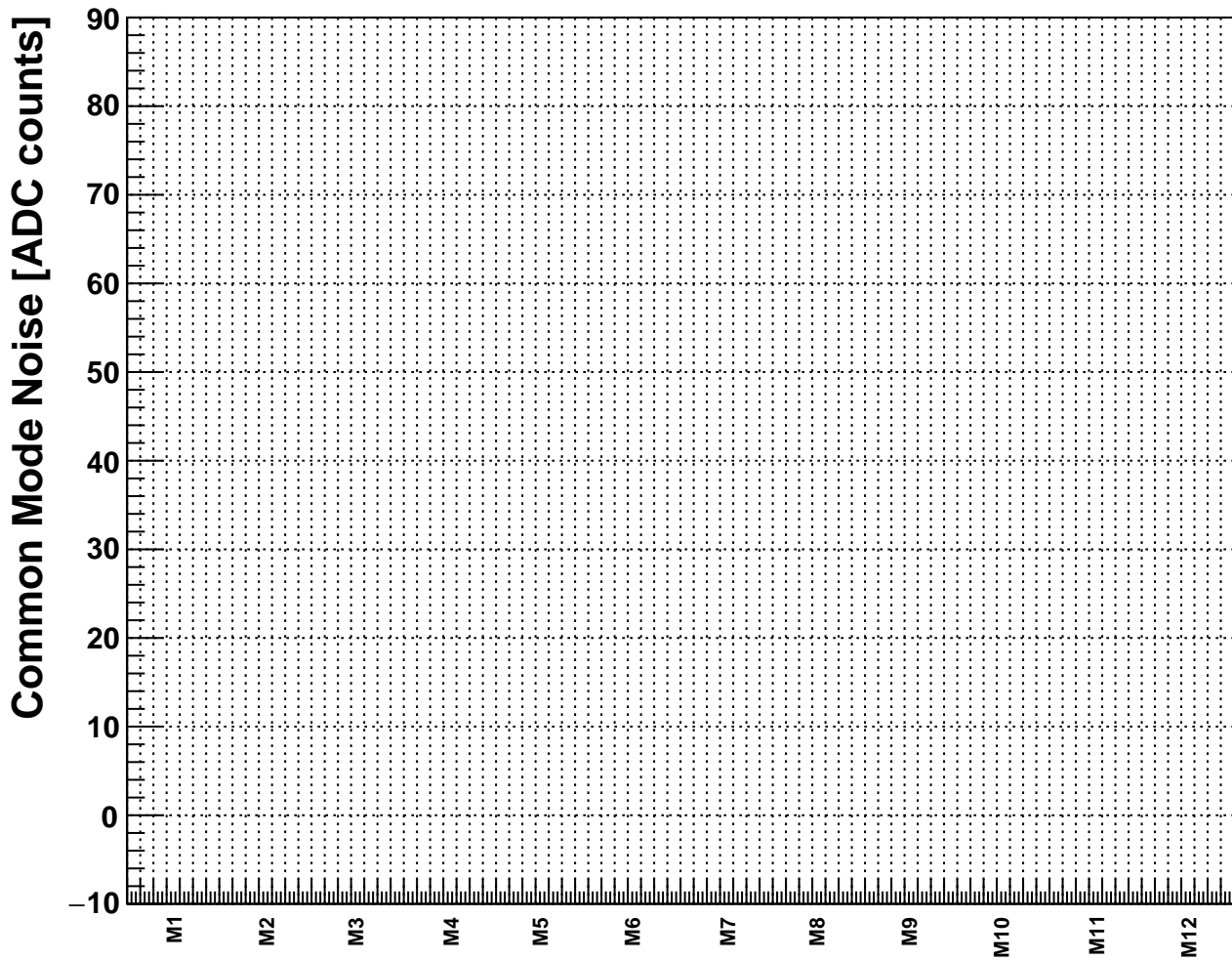


# FST - Random RMS vs Channel for Disk3

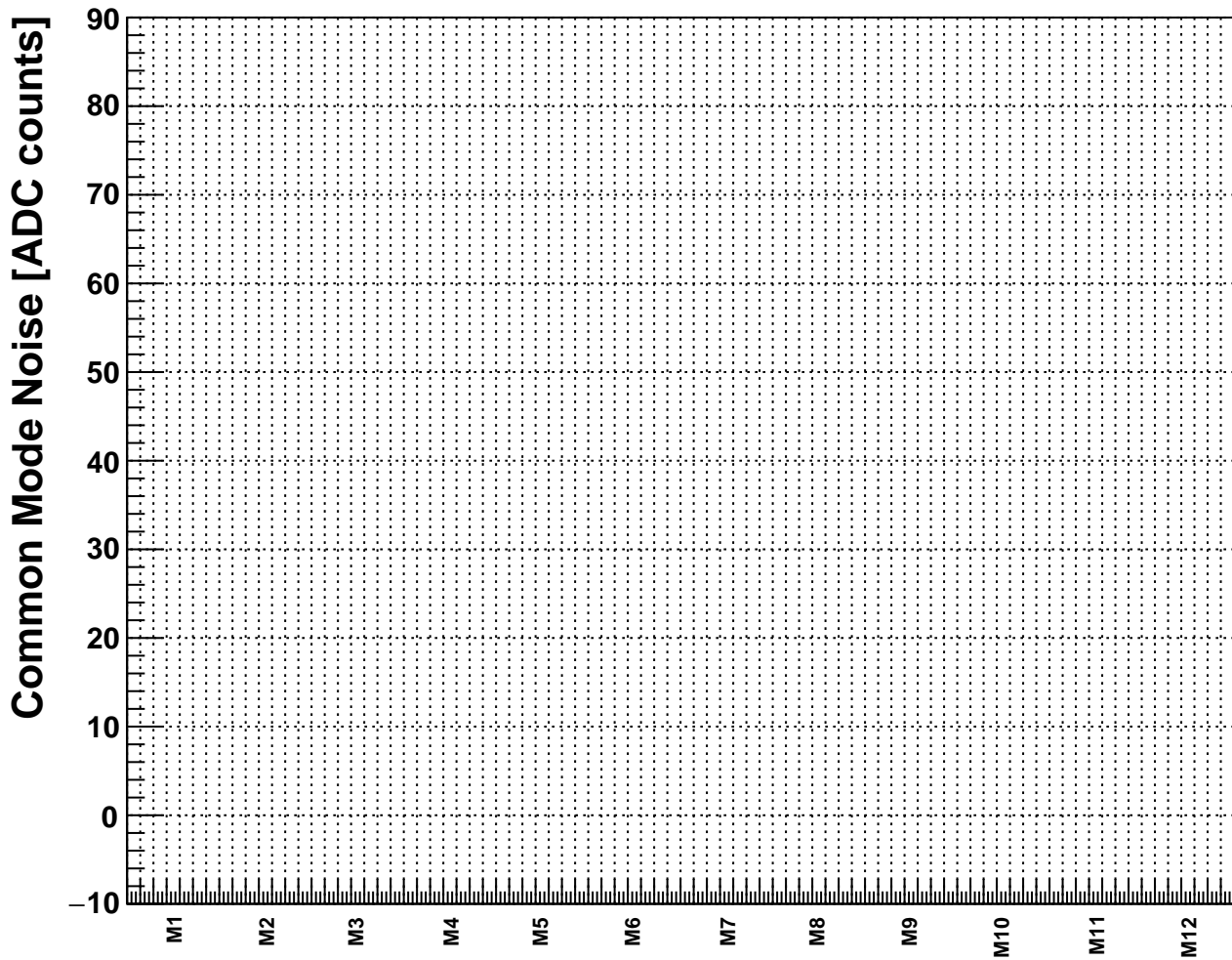




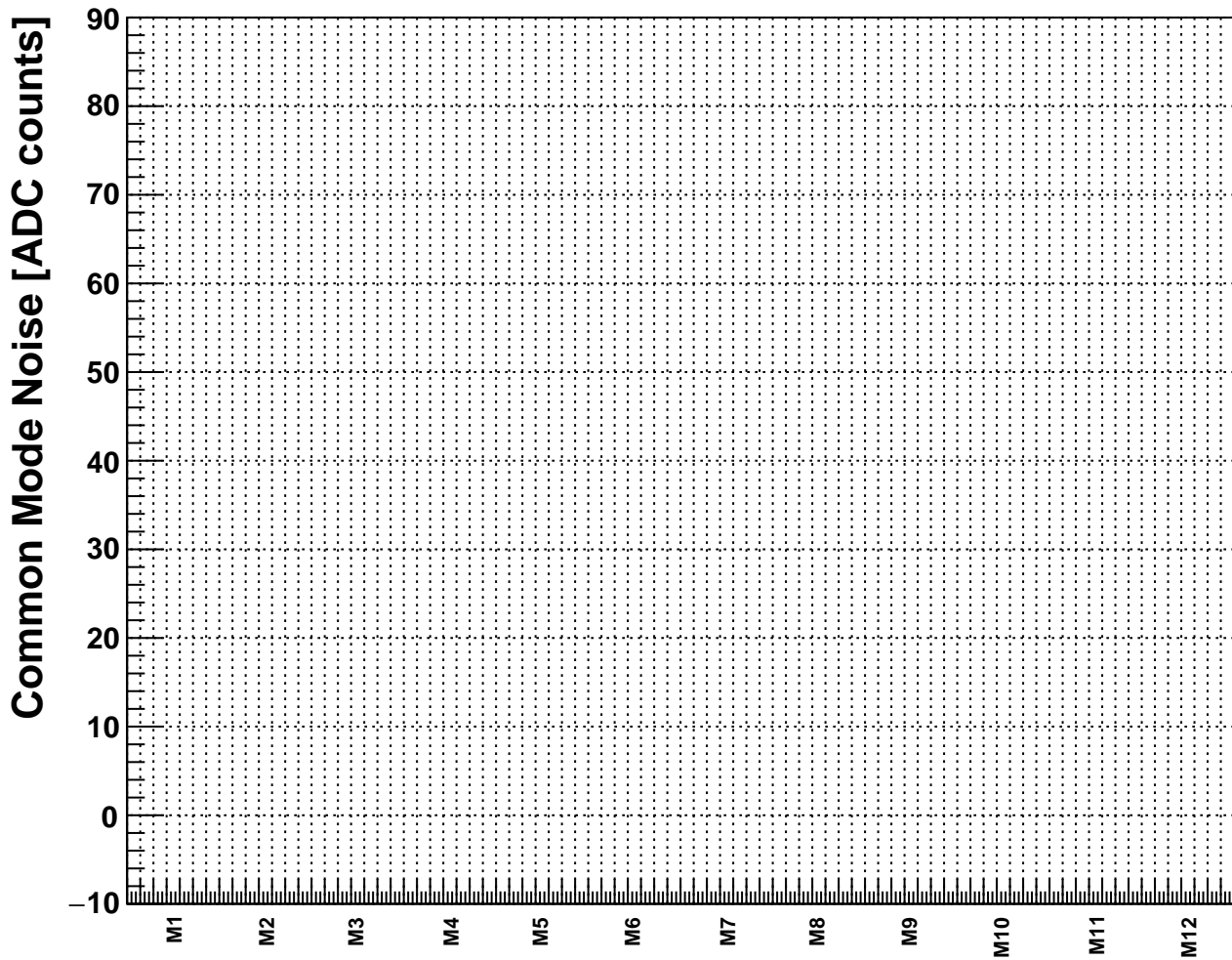
# FST - Common Mode RMS vs APV for Disk1



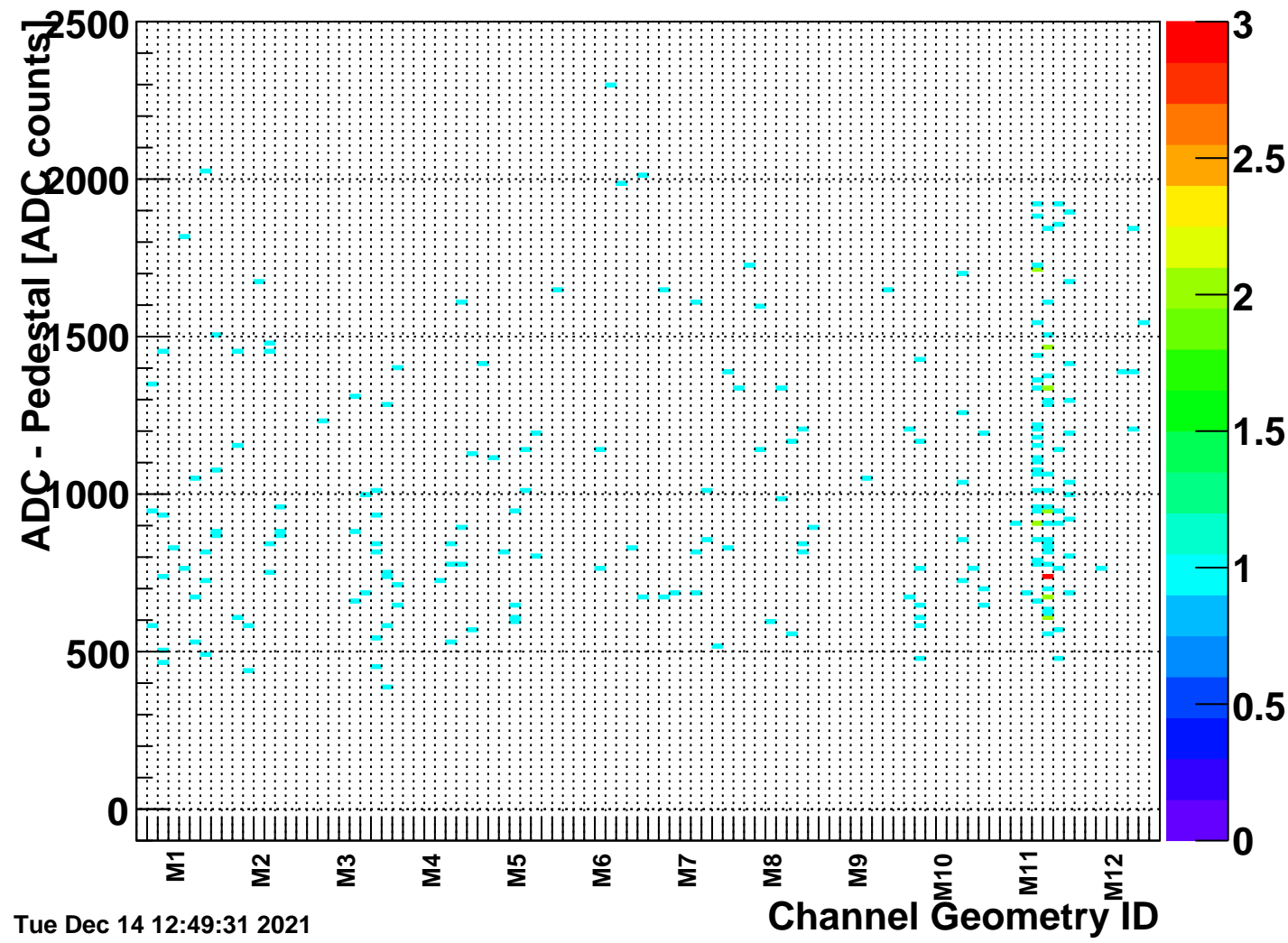
# FST - Common Mode RMS vs APV for Disk2



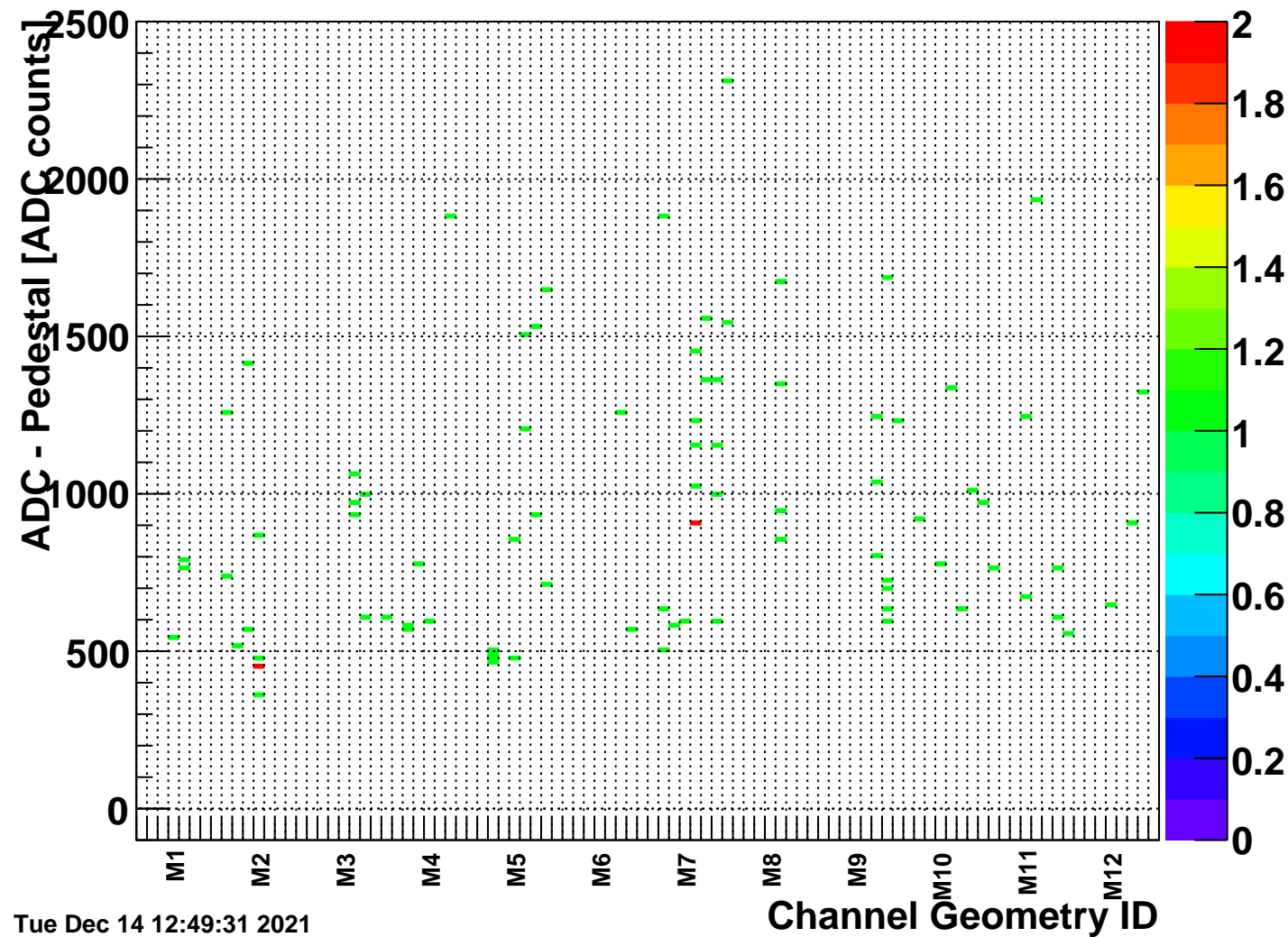
# FST - Common Mode RMS vs APV for Disk3



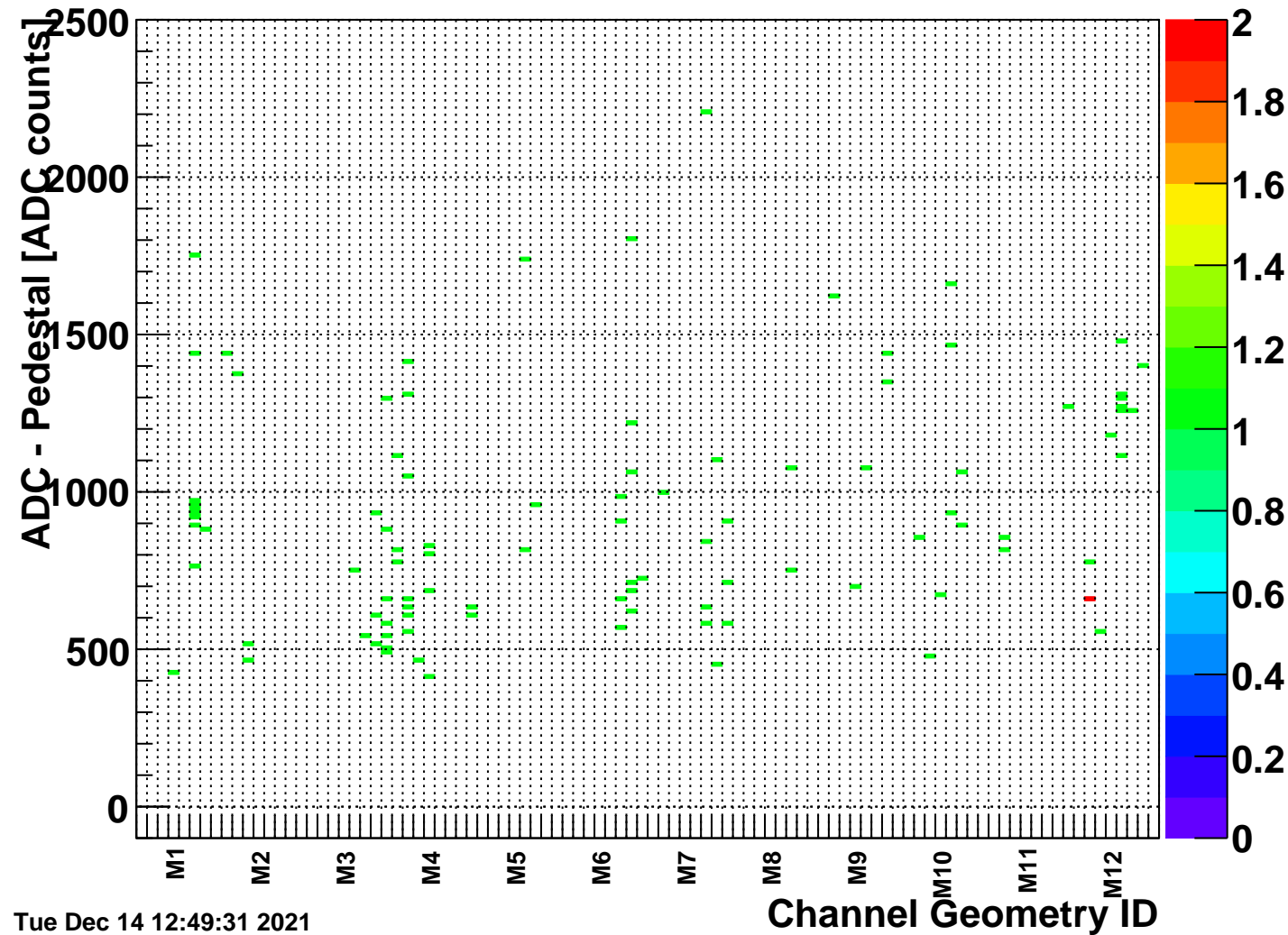
# FST - Signal (non-ZS) vs Channel for Disk1



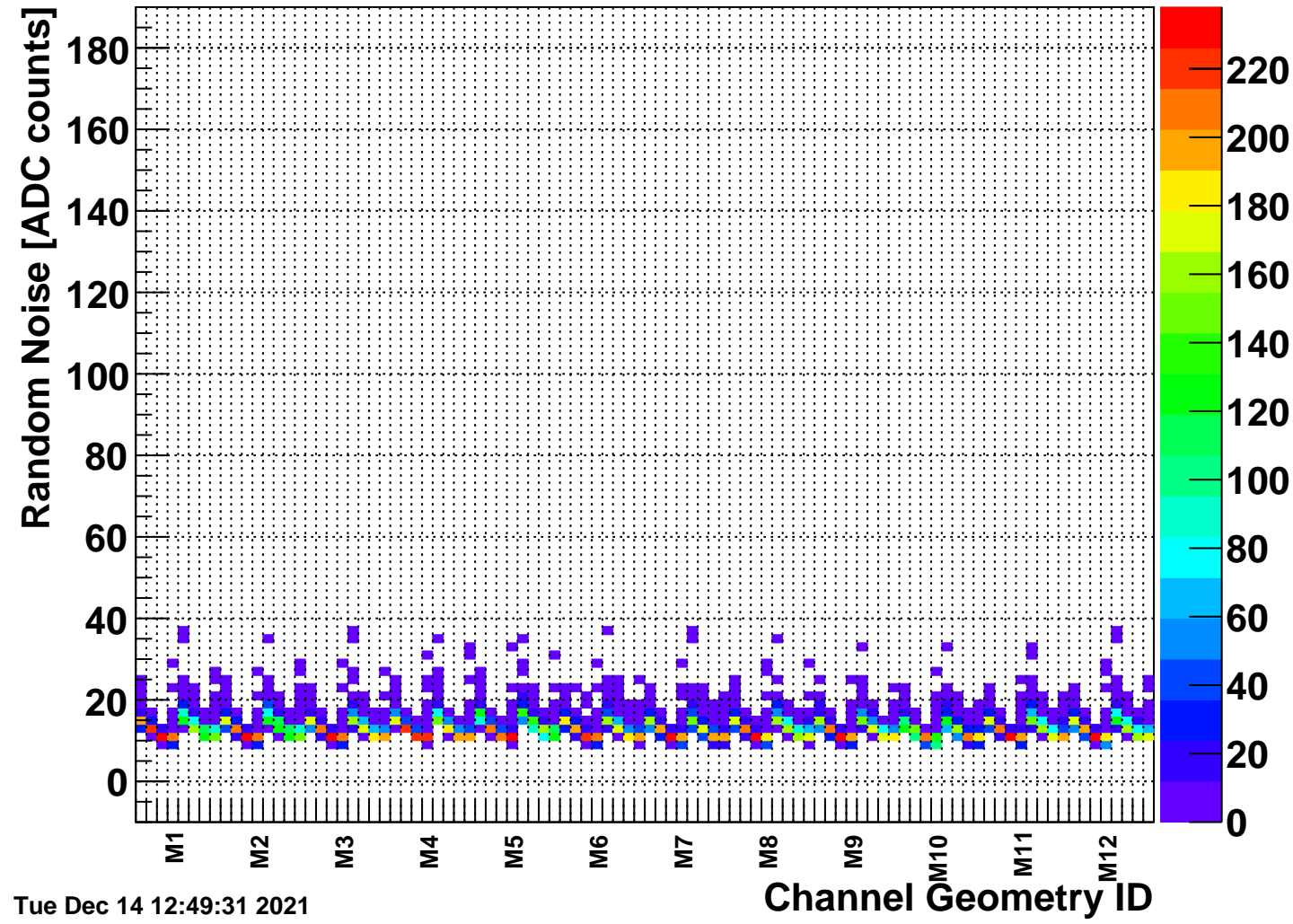
# FST - Signal (non-ZS) vs Channel for Disk2



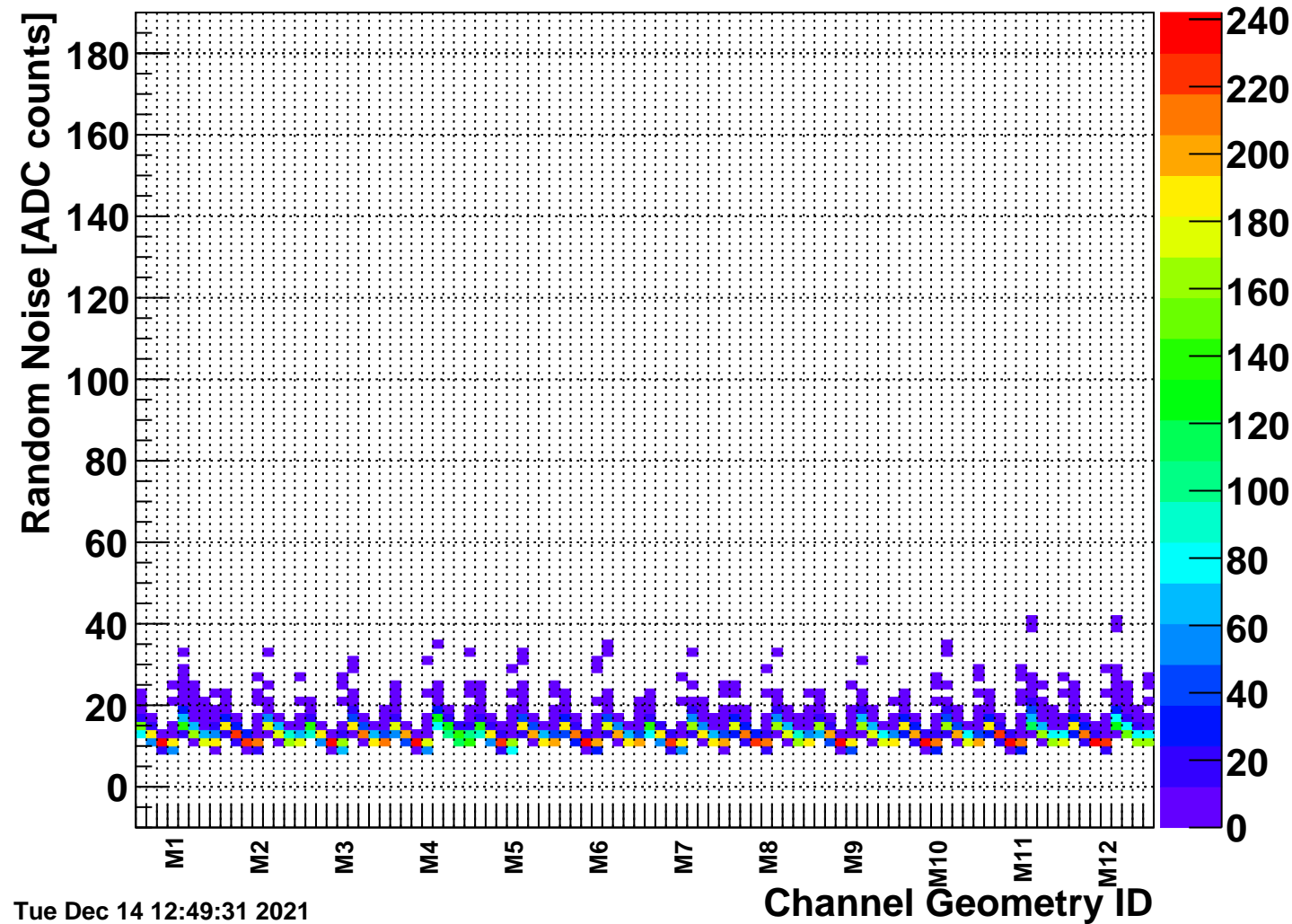
# FST - Signal (non-ZS) vs Channel for Disk3



# FST - Random Noise (non-ZS) vs Channel for Disk1

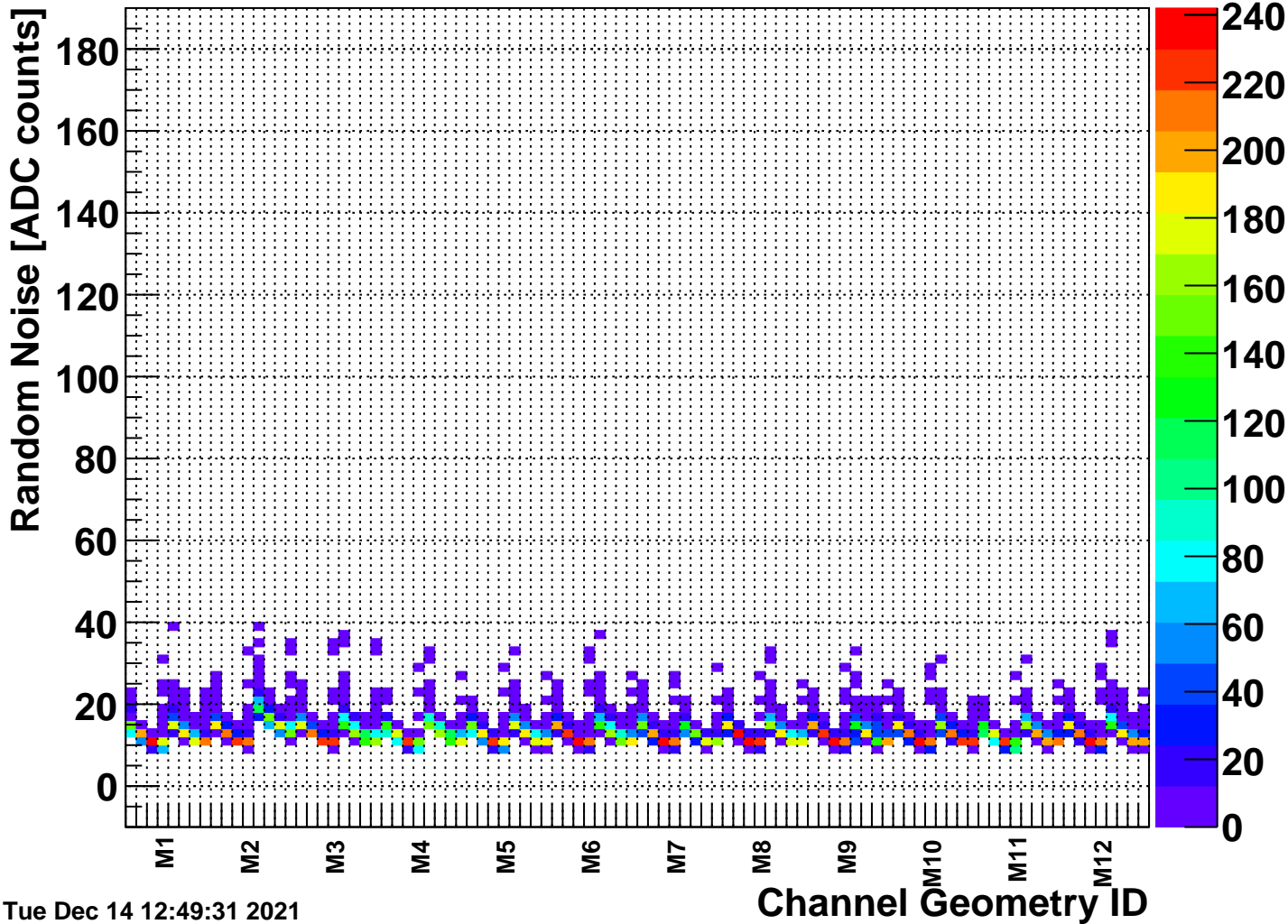


# FST - Random Noise (non-ZS) vs Channel for Disk2

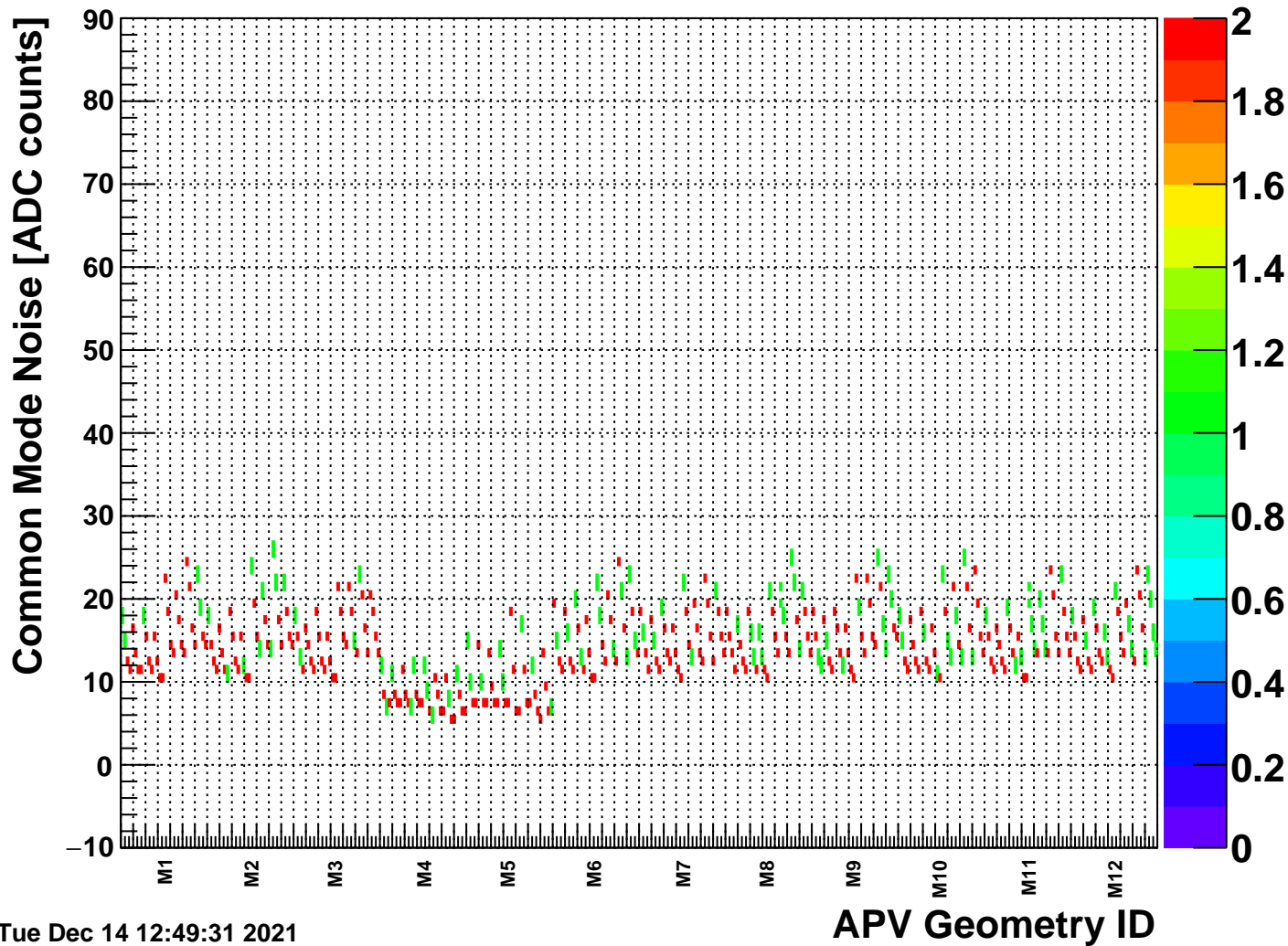




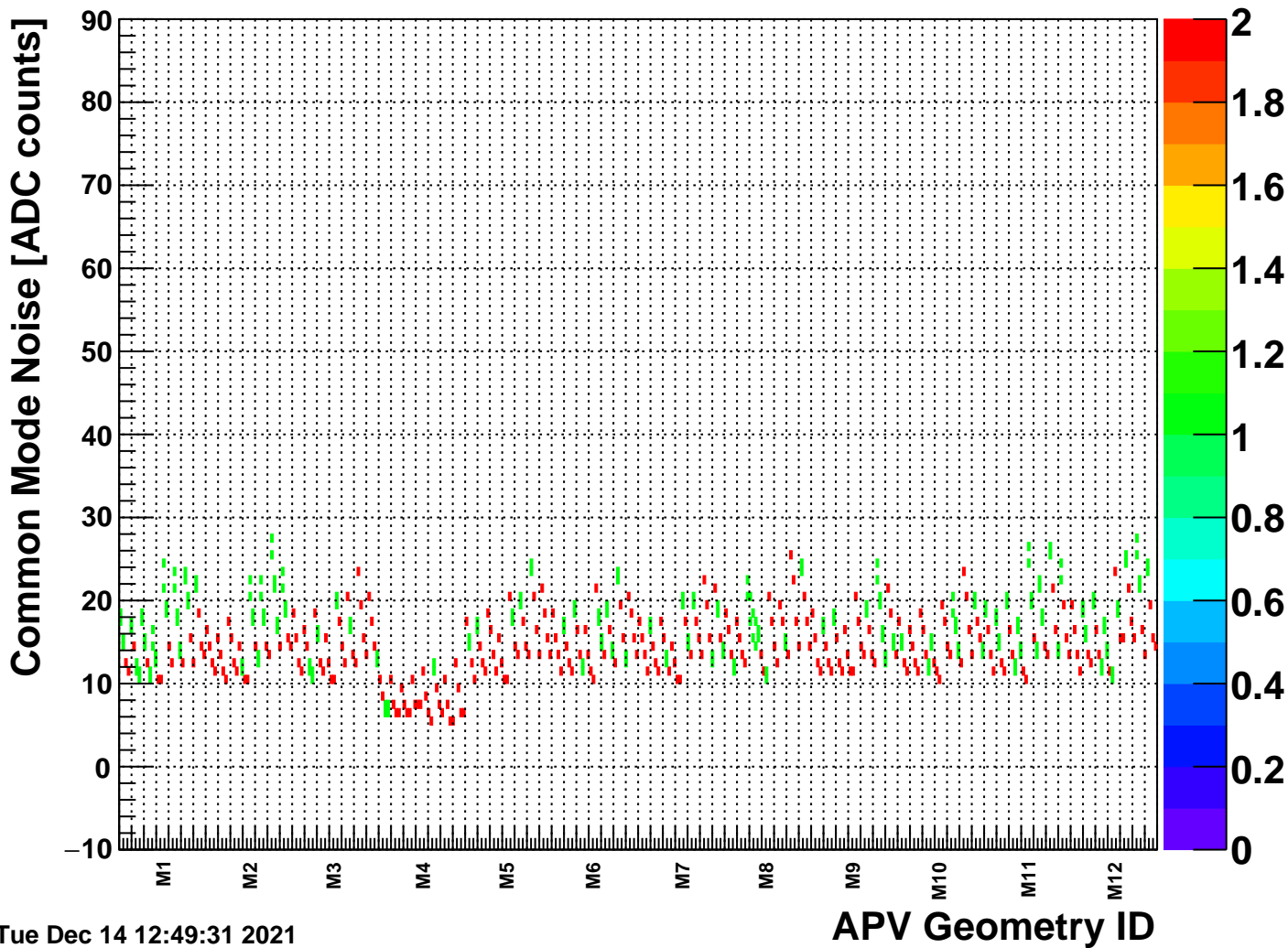
# FST - Random Noise (non-ZS) vs Channel for Disk3



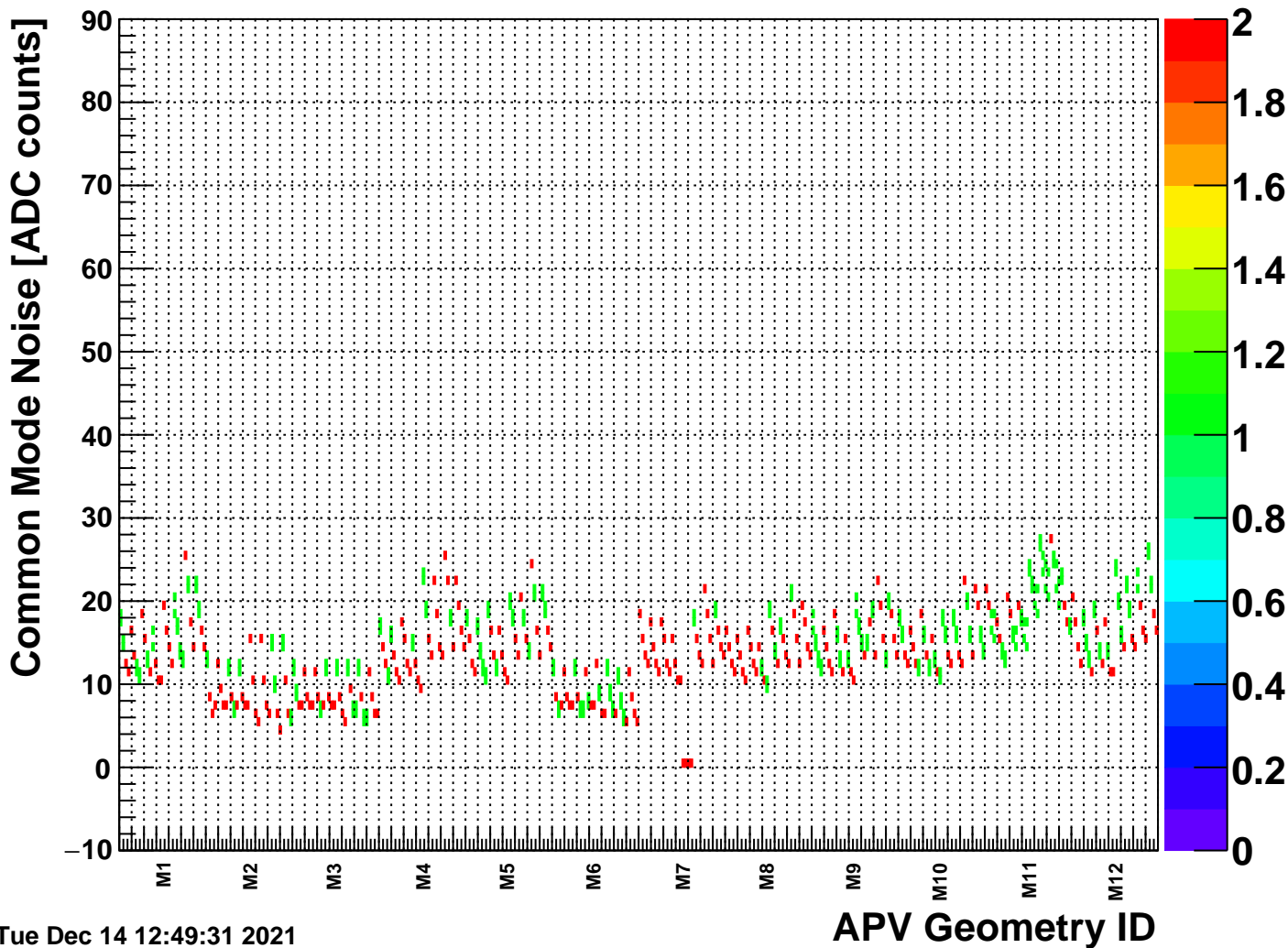
# FST - Common Mode Noise (non-ZS) vs APV for Disk1



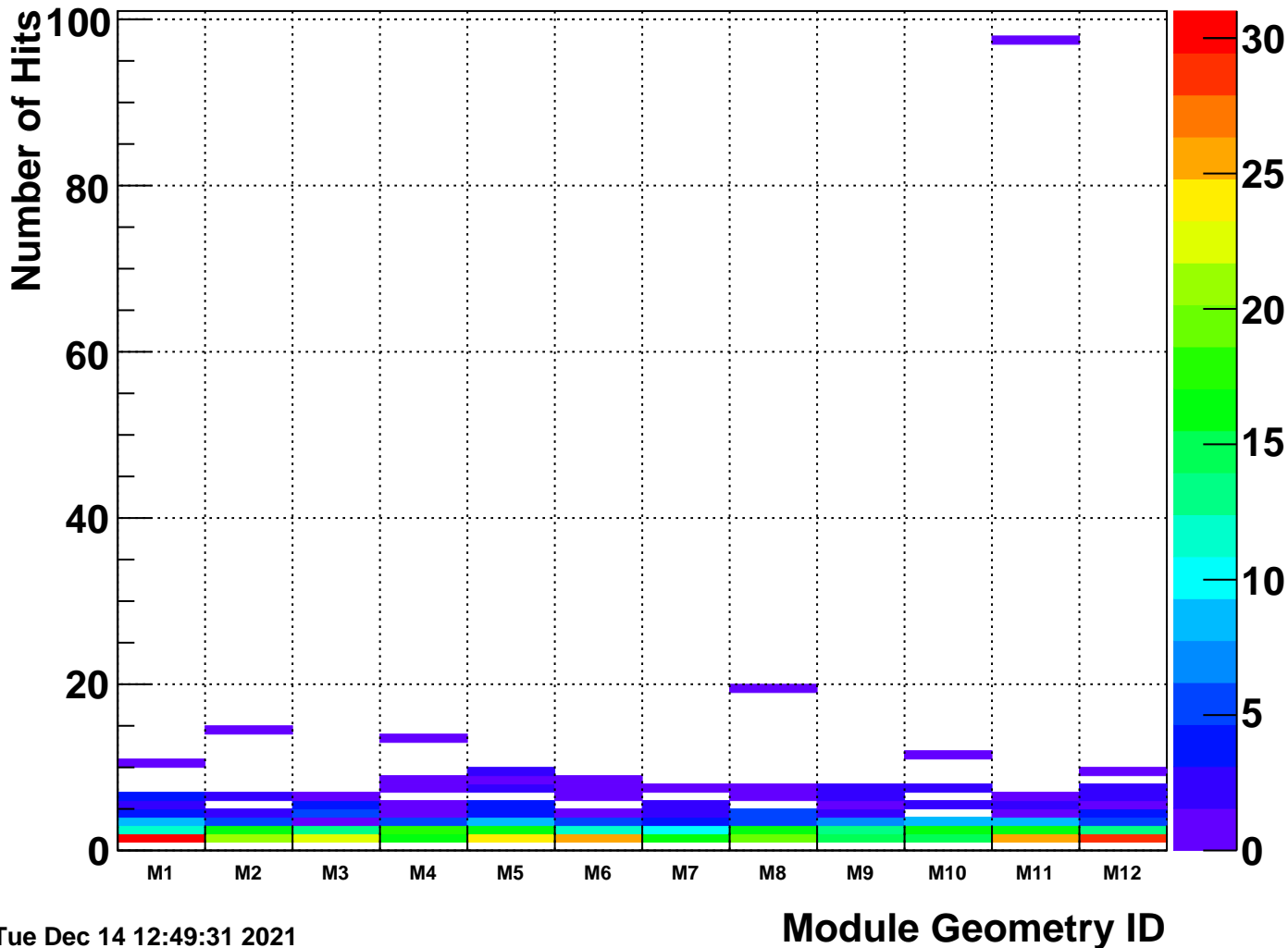
# FST - Common Mode Noise (non-ZS) vs APV for Disk2



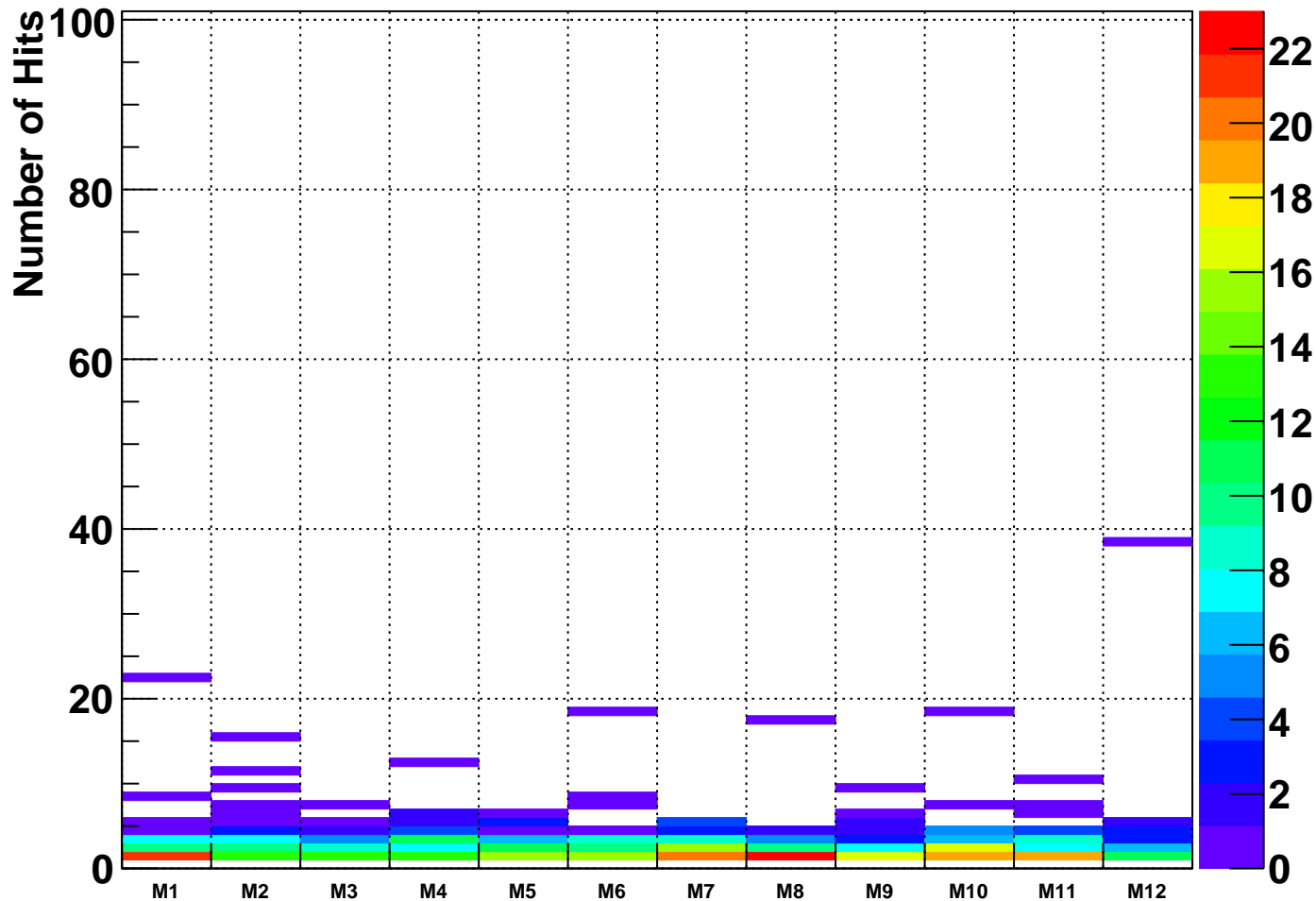
# FST - Common Mode Noise (non-ZS) vs APV for Disk3



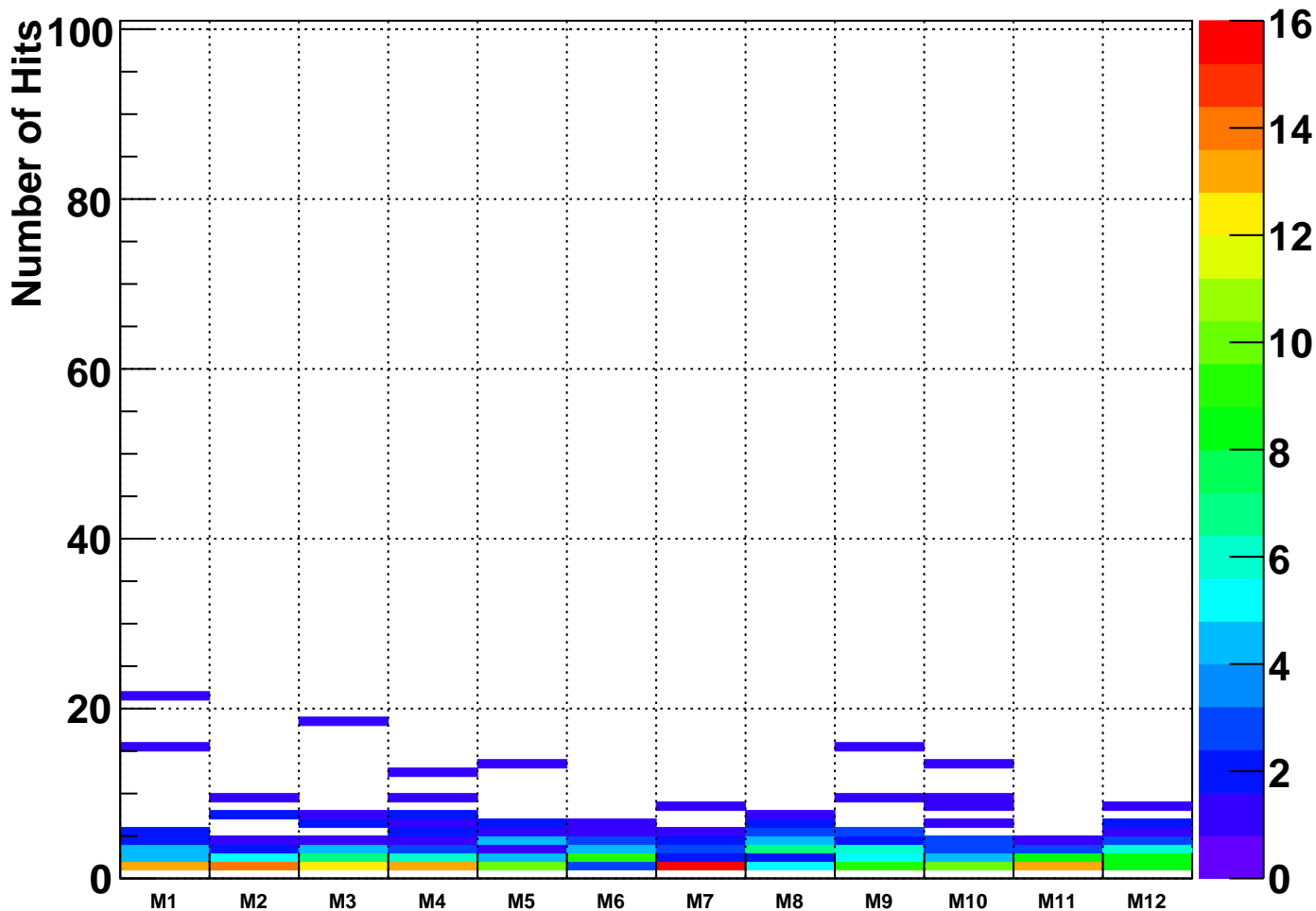
# FST - Hit Multiplicity (ZS) vs Module Id for Disk1



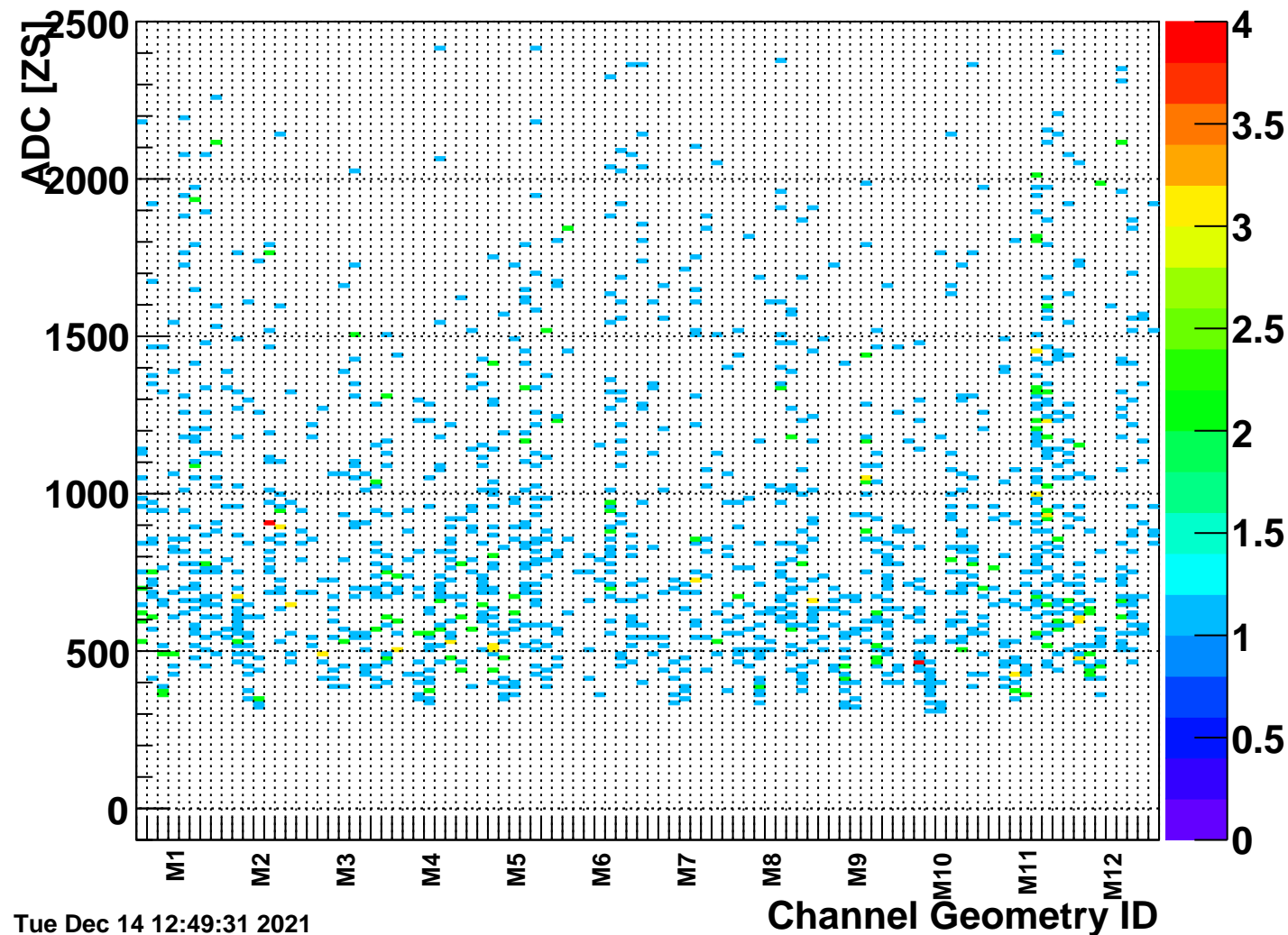
# FST - Hit Multiplicity (ZS) vs Module Id for Disk2



# FST - Hit Multiplicity (ZS) vs Module Id for Disk3

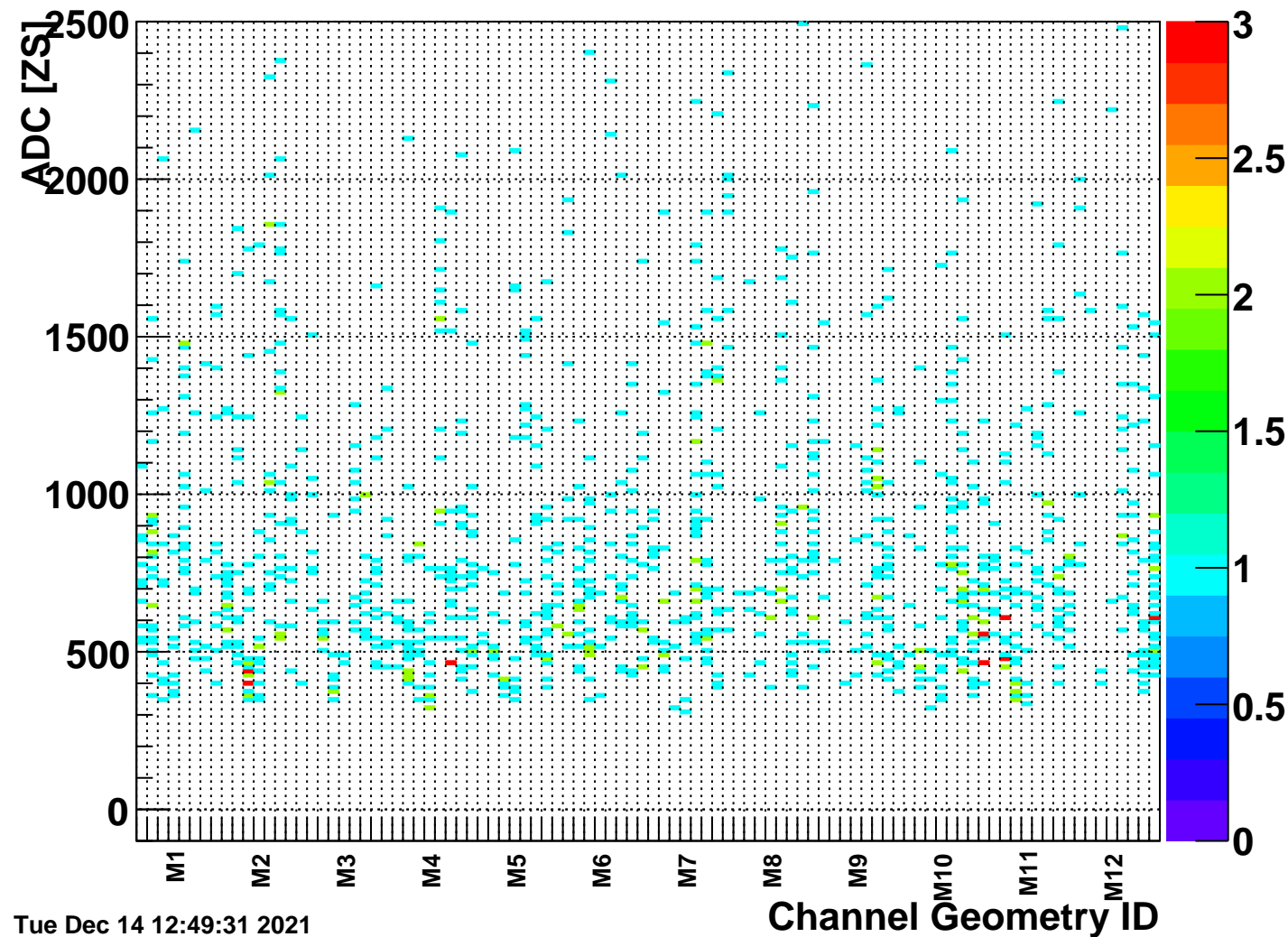


# FST - Signal (ZS) vs Channel for Disk1





# FST - Signal (ZS) vs Channel for Disk2



# FST - Signal (ZS) vs Channel for Disk3

