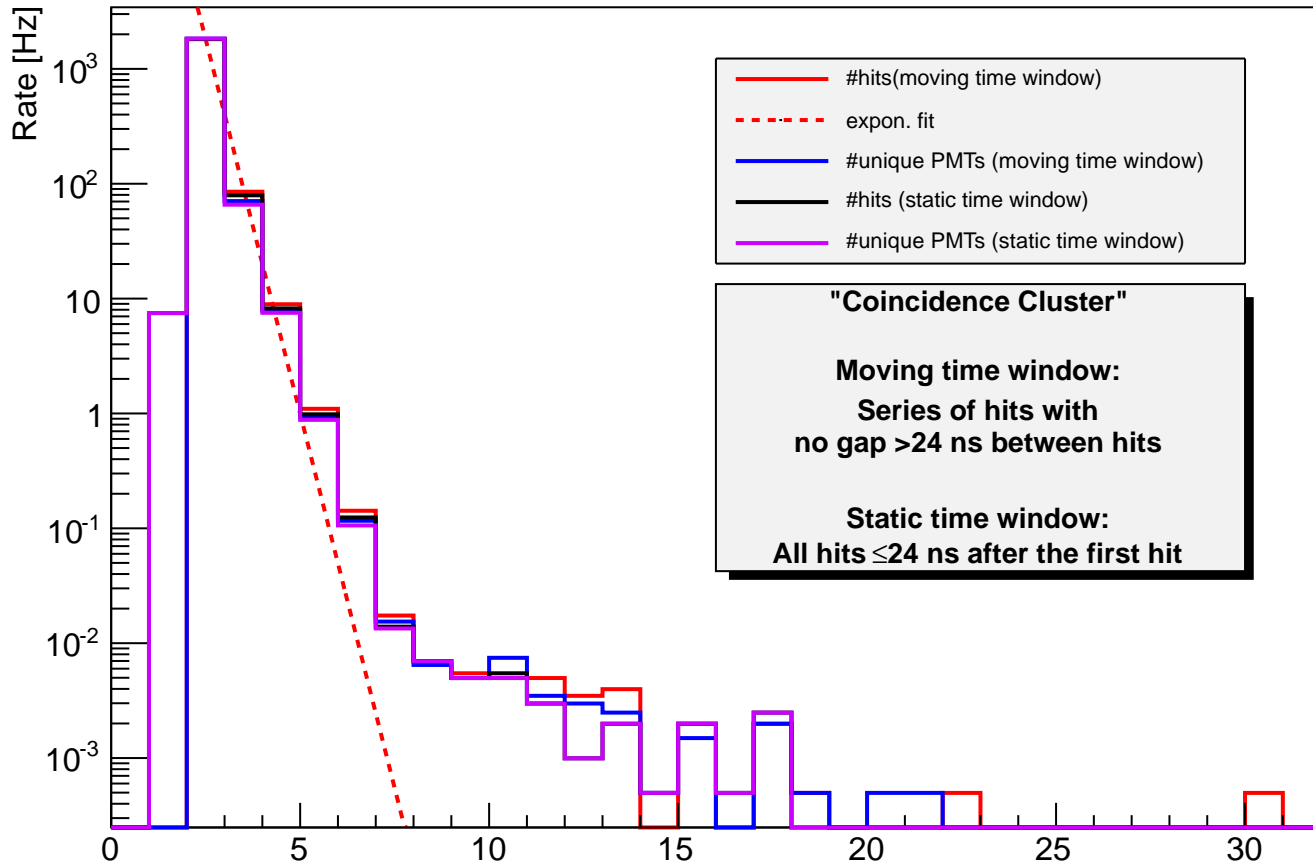


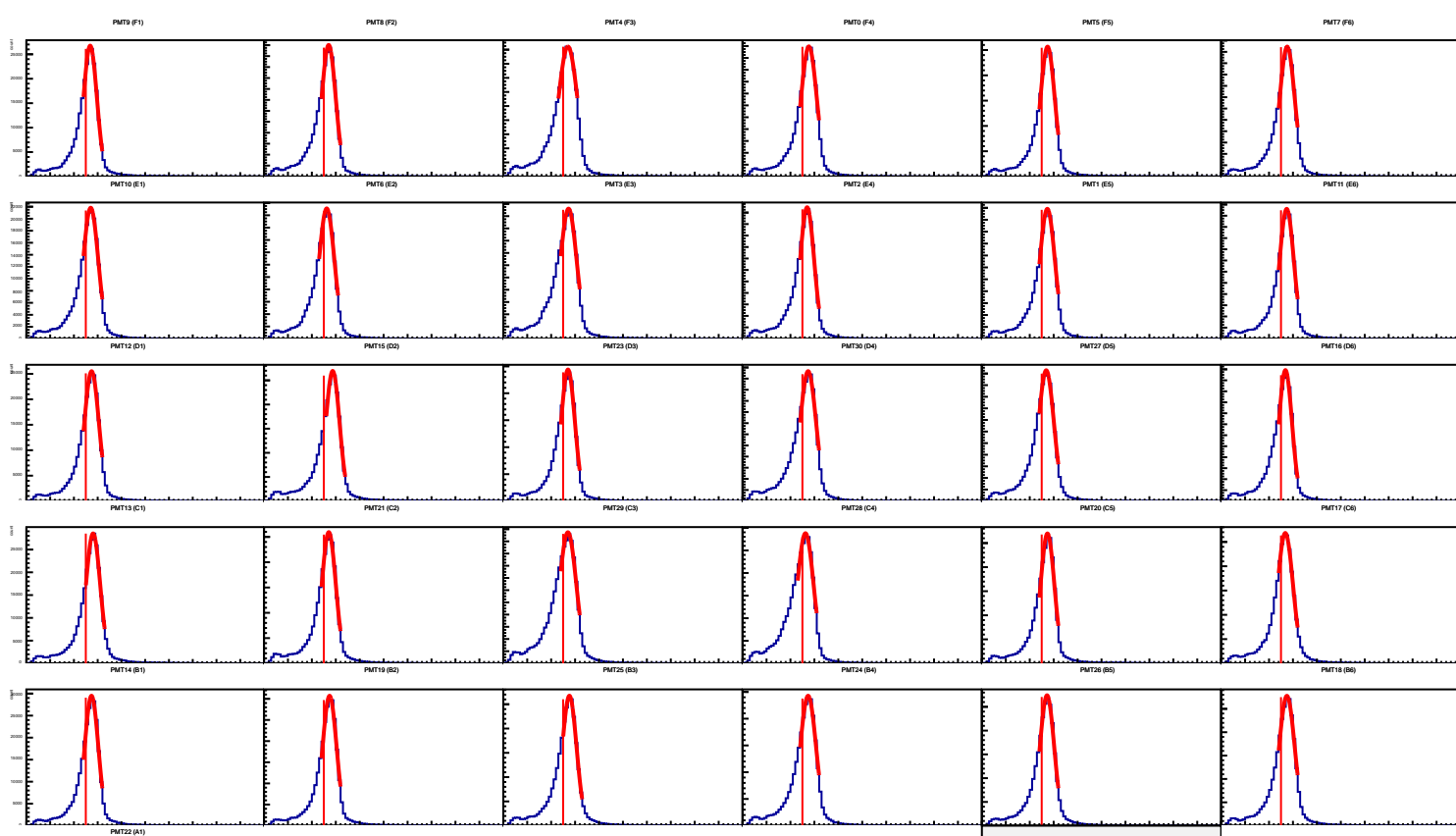
**MRunAnalyzer version 3.00 output**

**Input file: /localstore/mjongen/tmp\_DU2\_data/KM3NeT\_00000007\_00000027.root**

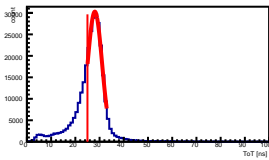
**This pdf created on: Mon Dec 7 10:26:54 2015**

# Coincidence clusters DOM0



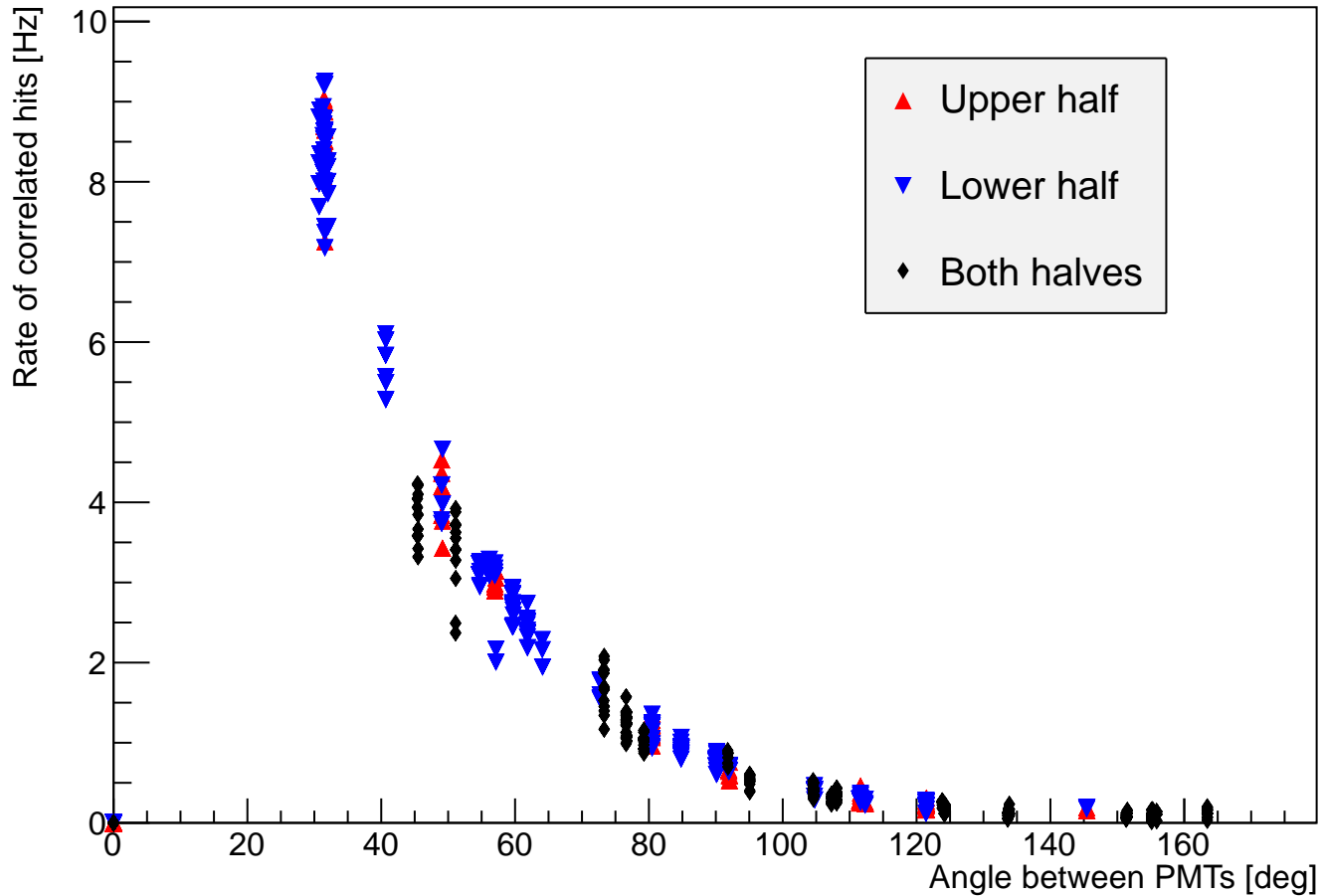


**DOM0 ToTs**  
**Red line at 25**

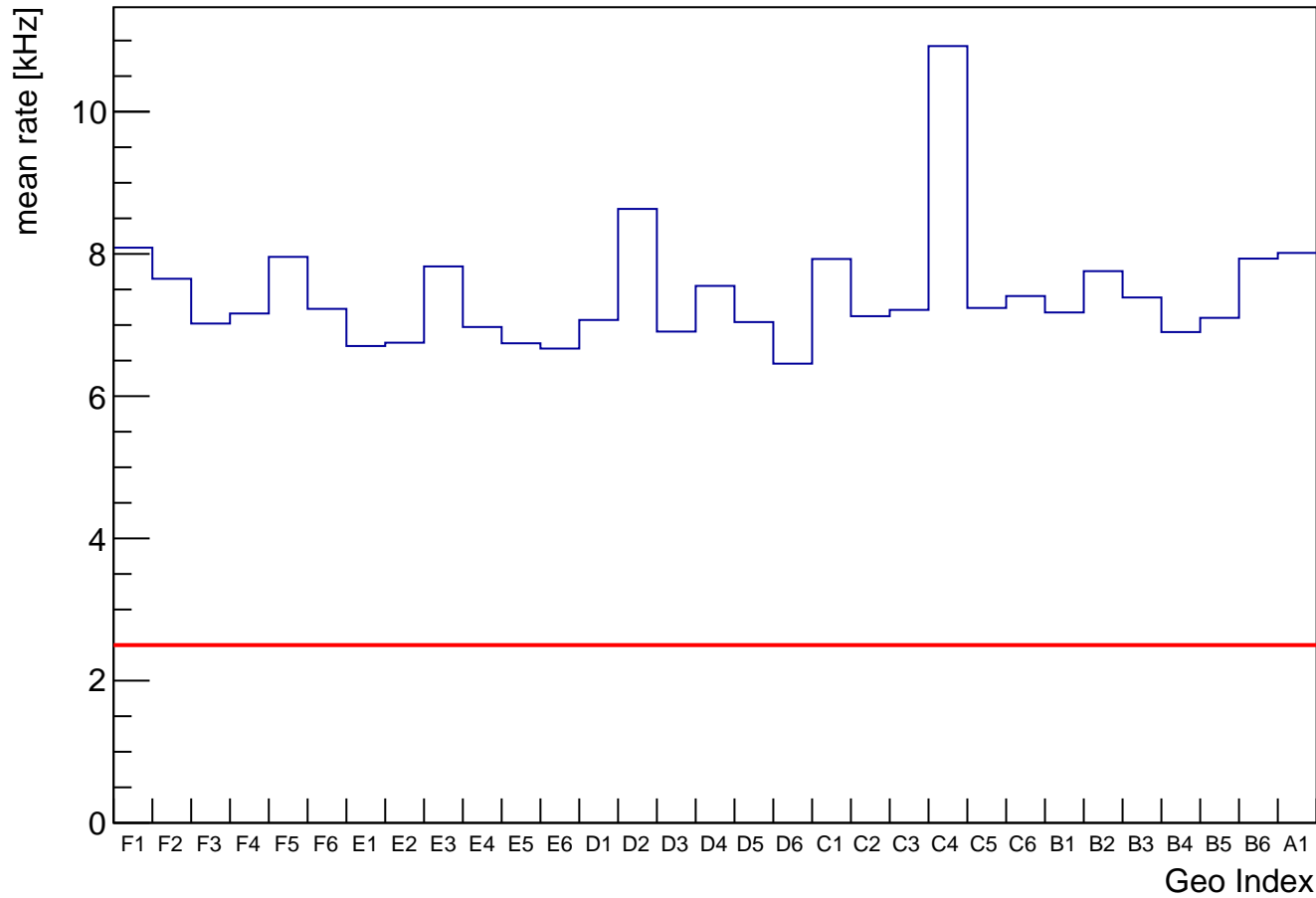




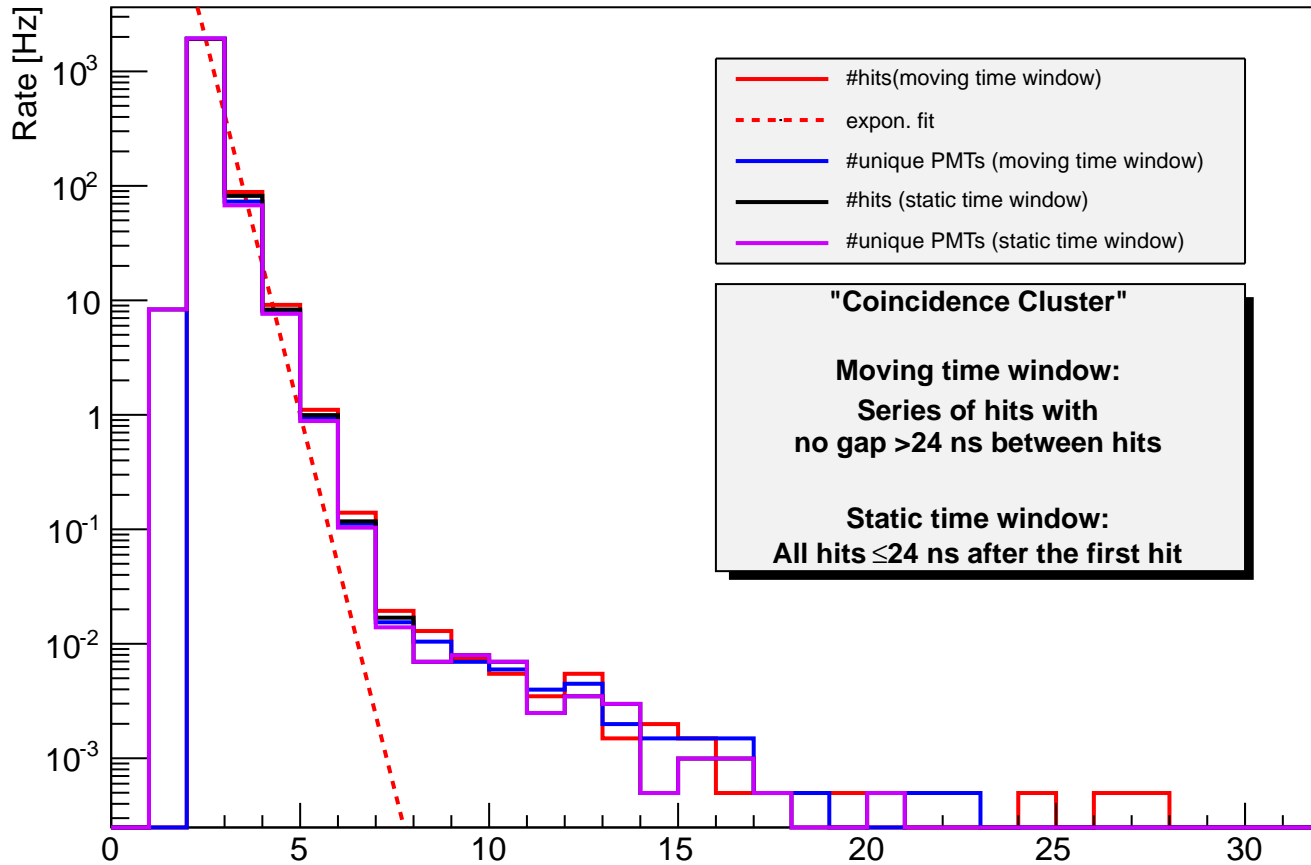
Correlation vs angle DOM0

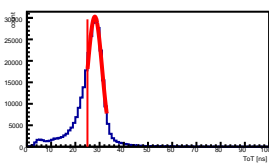
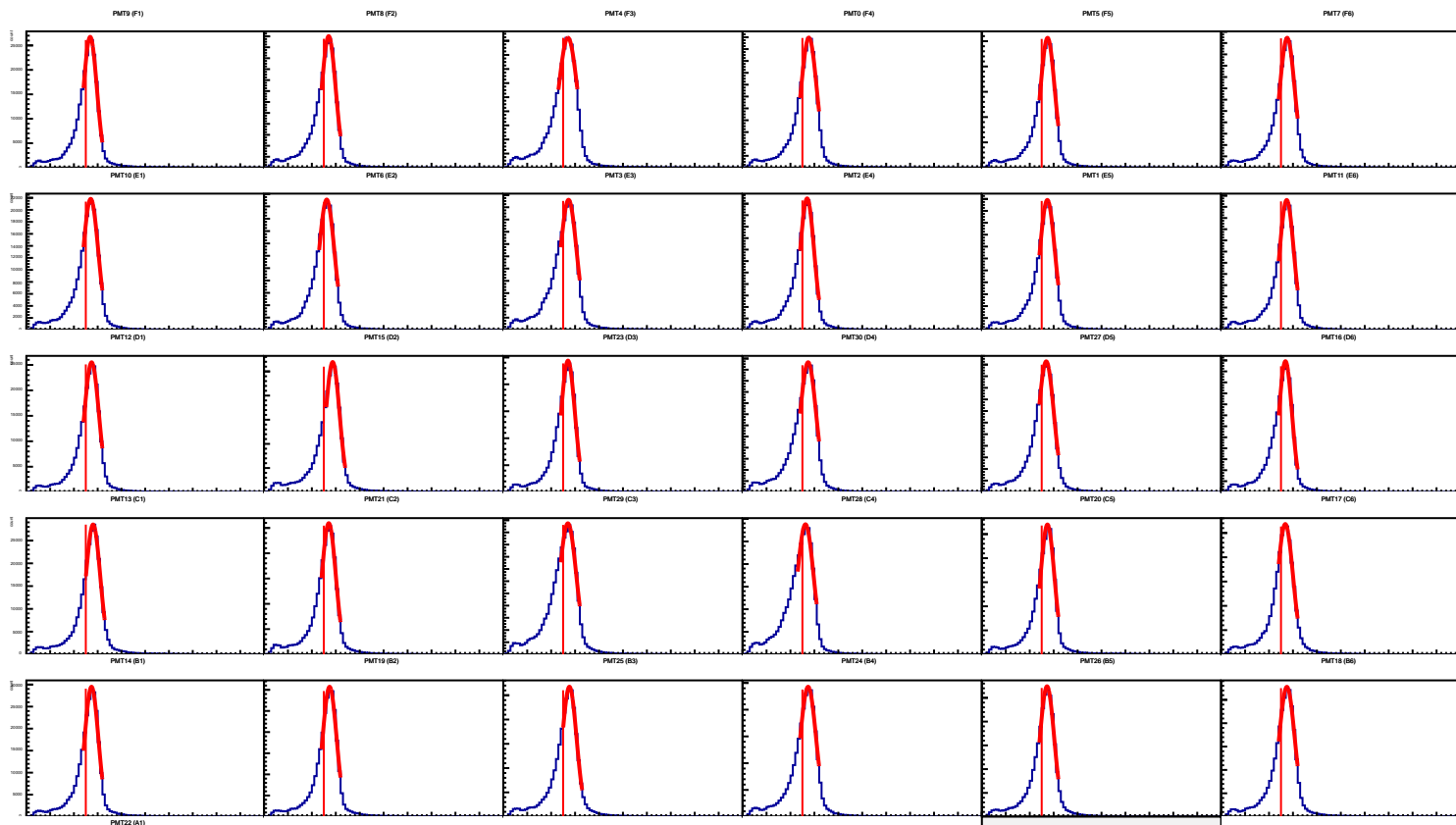


# Mean Rates DOM0



# Coincidence clusters DOM1



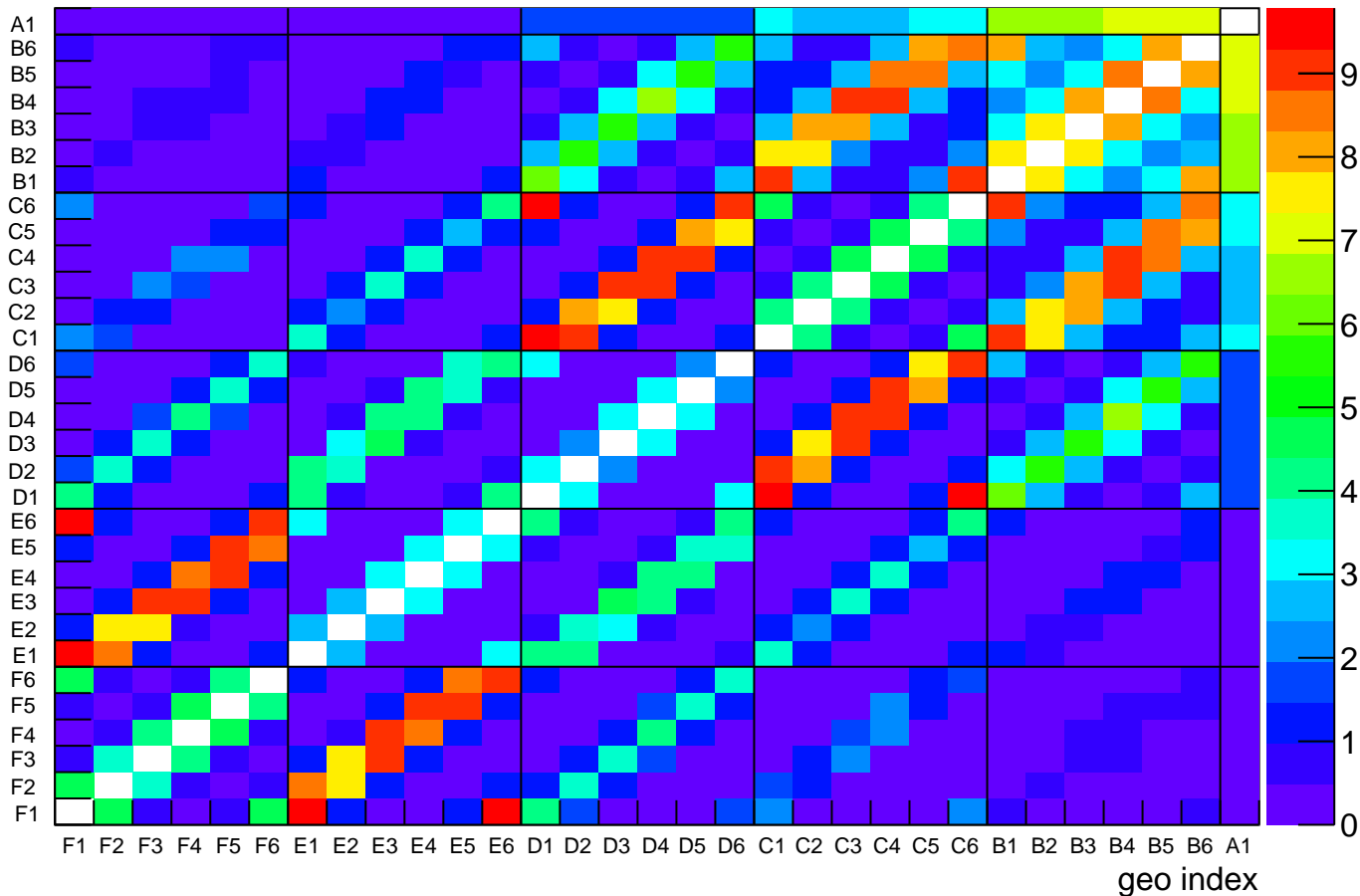


**DOM1 ToTs**  
**Red line at 25**



# DOM1 correlations (rate of correlated hits [Hz])

geo index



9

8

7

6

5

4

3

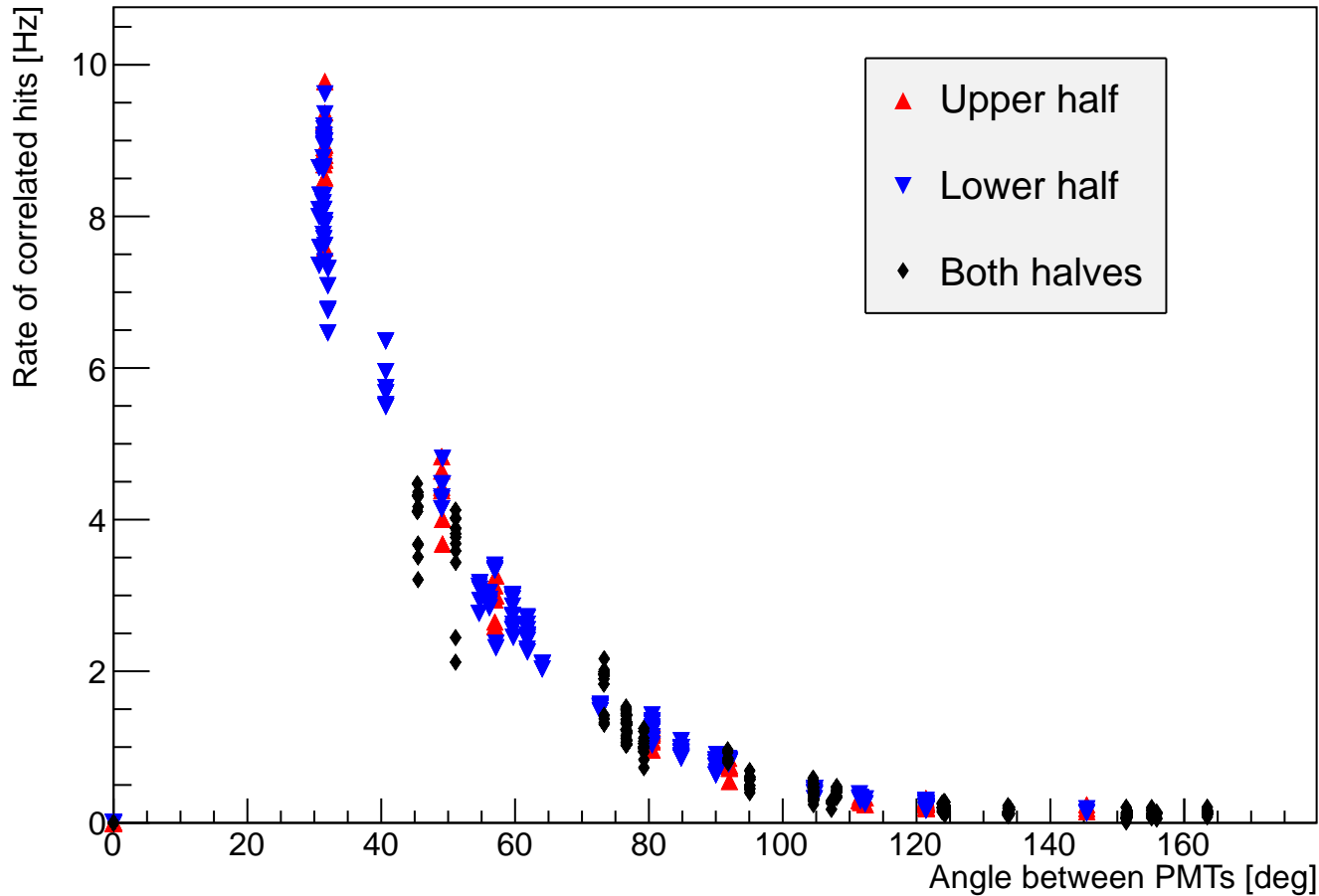
2

1

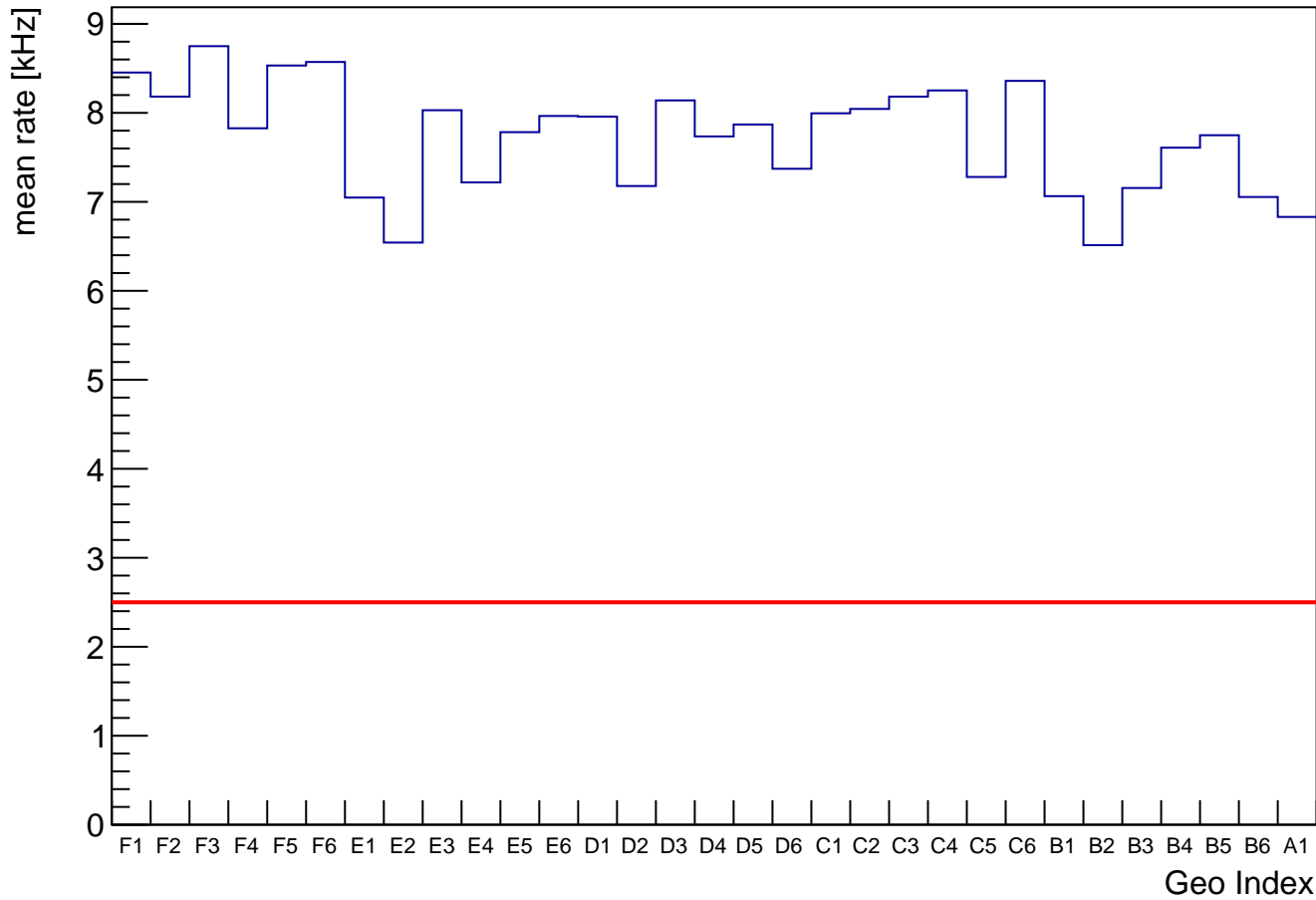
0

geo index

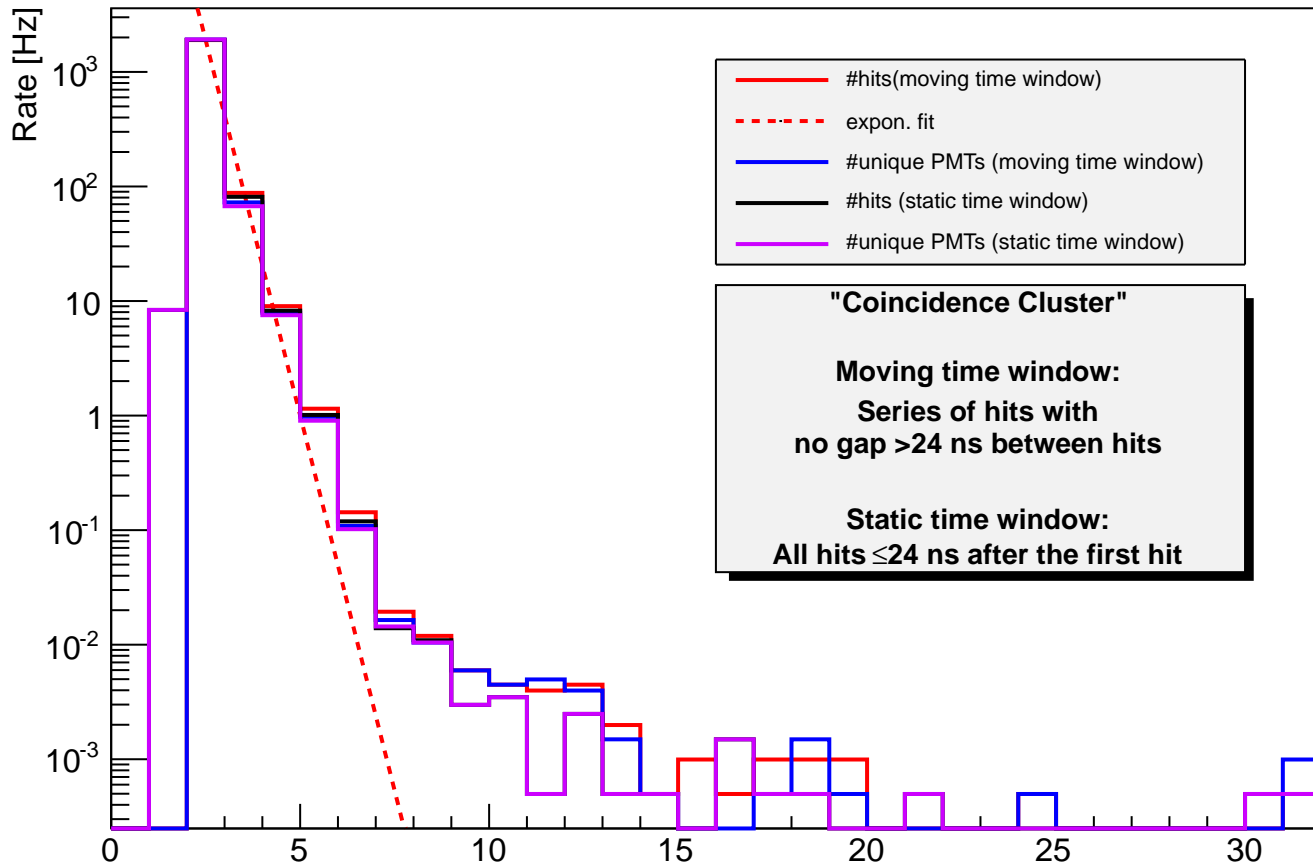
Correlation vs angle DOM1

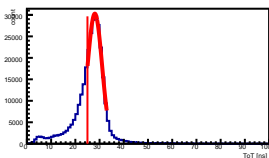
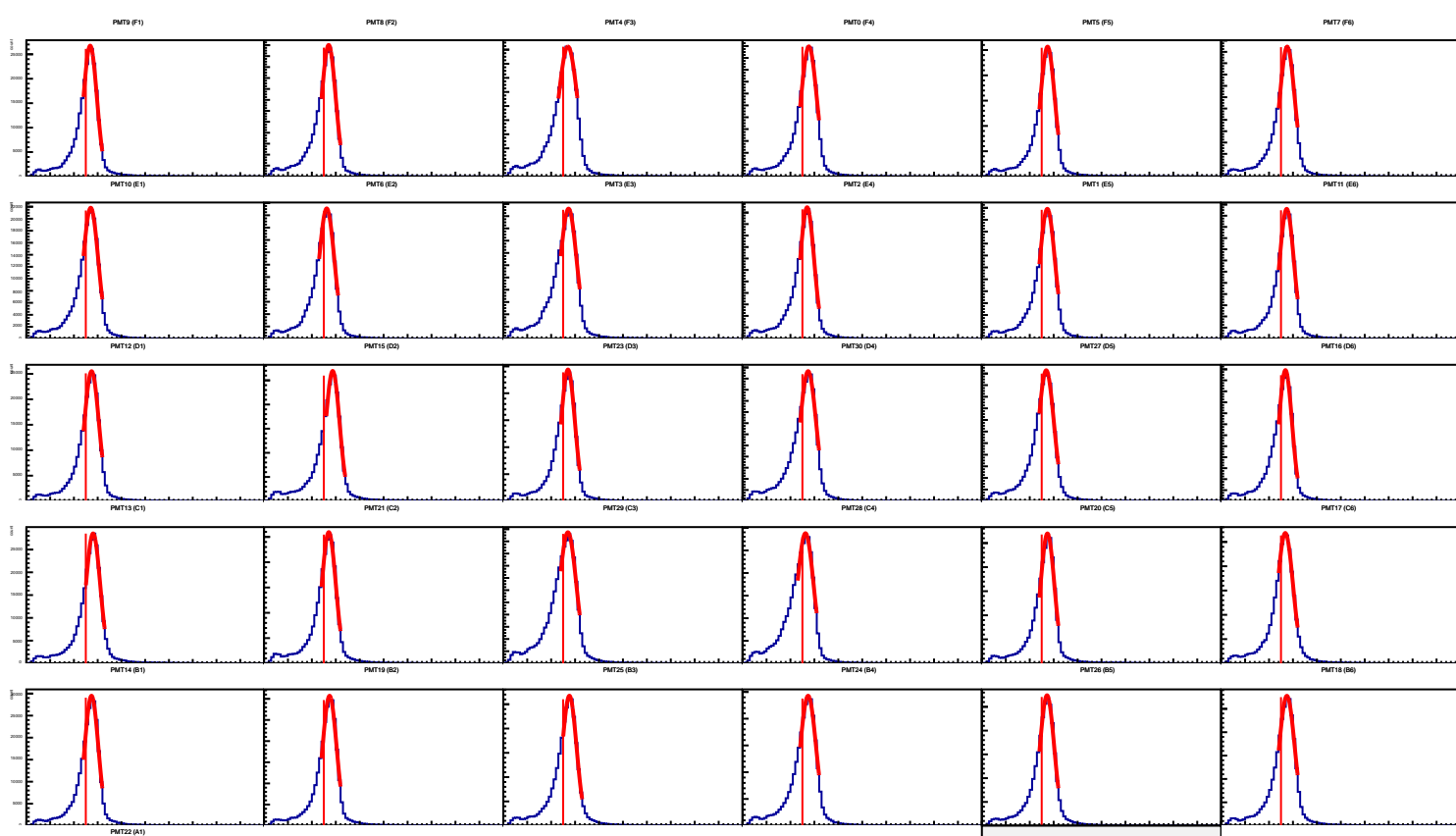


# Mean Rates DOM1



# Coincidence clusters DOM2

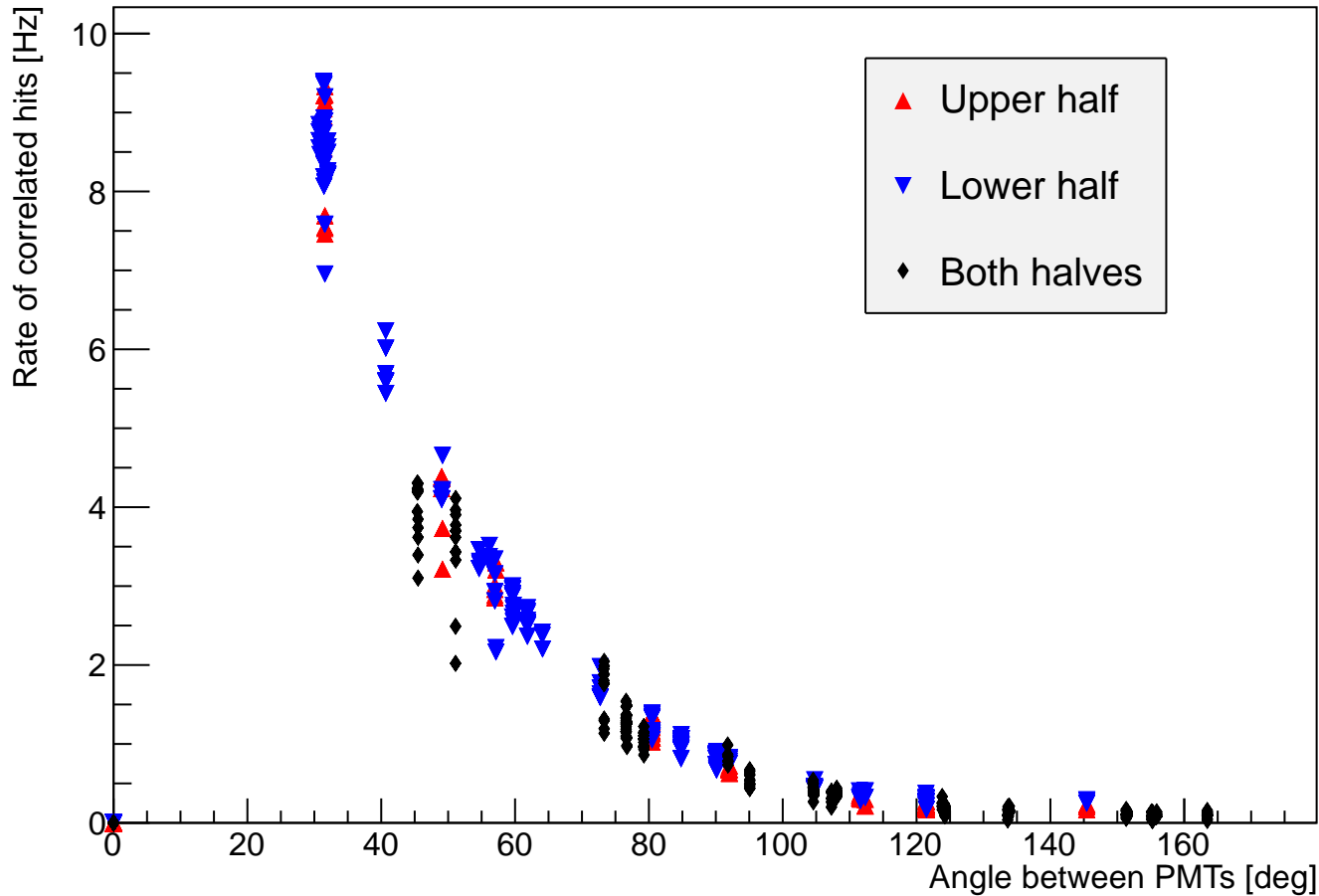




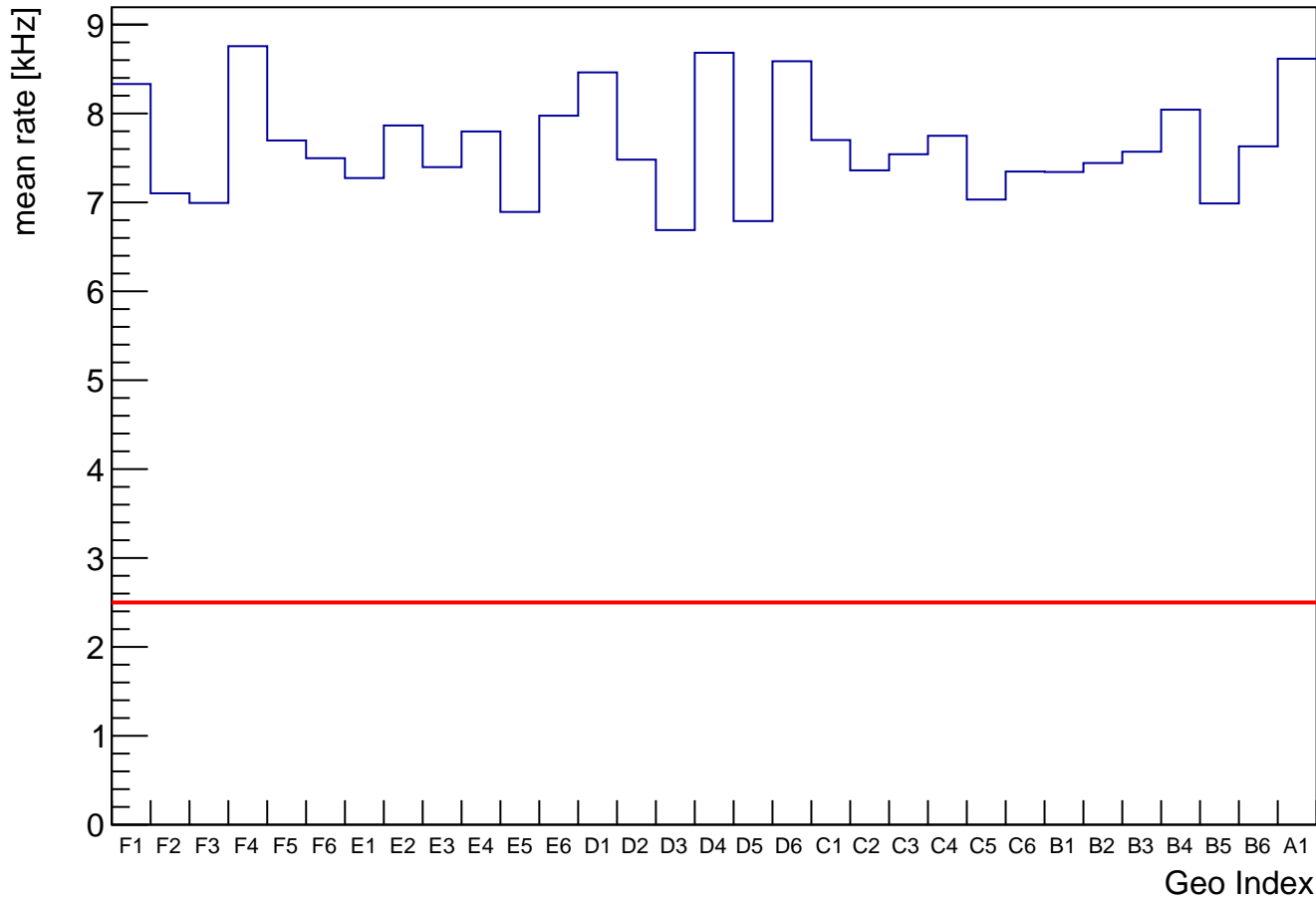
**DOM2 ToTs**  
**Red line at 25**



# Correlation vs angle DOM2

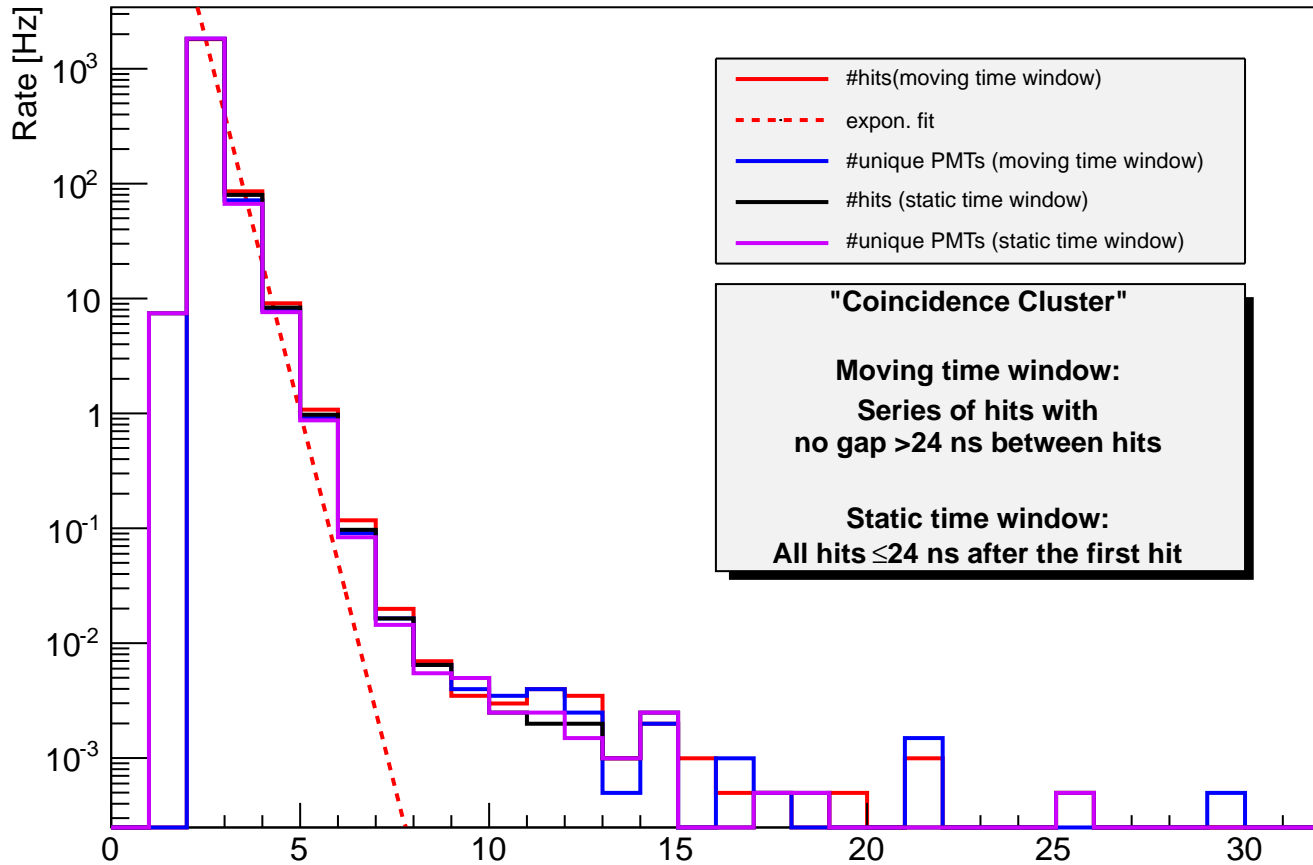


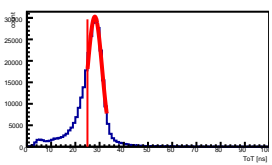
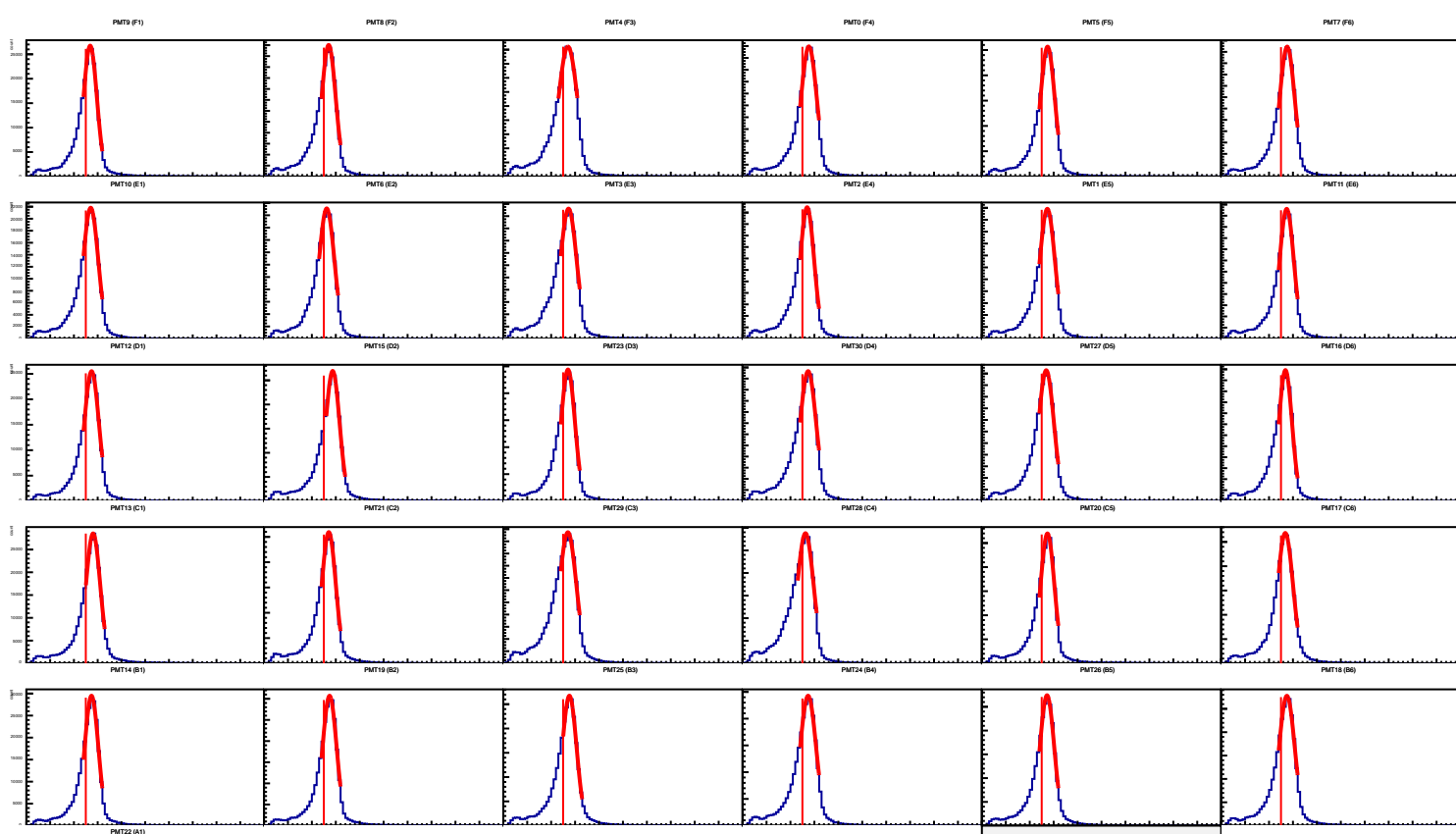
# Mean Rates DOM2





# Coincidence clusters DOM3

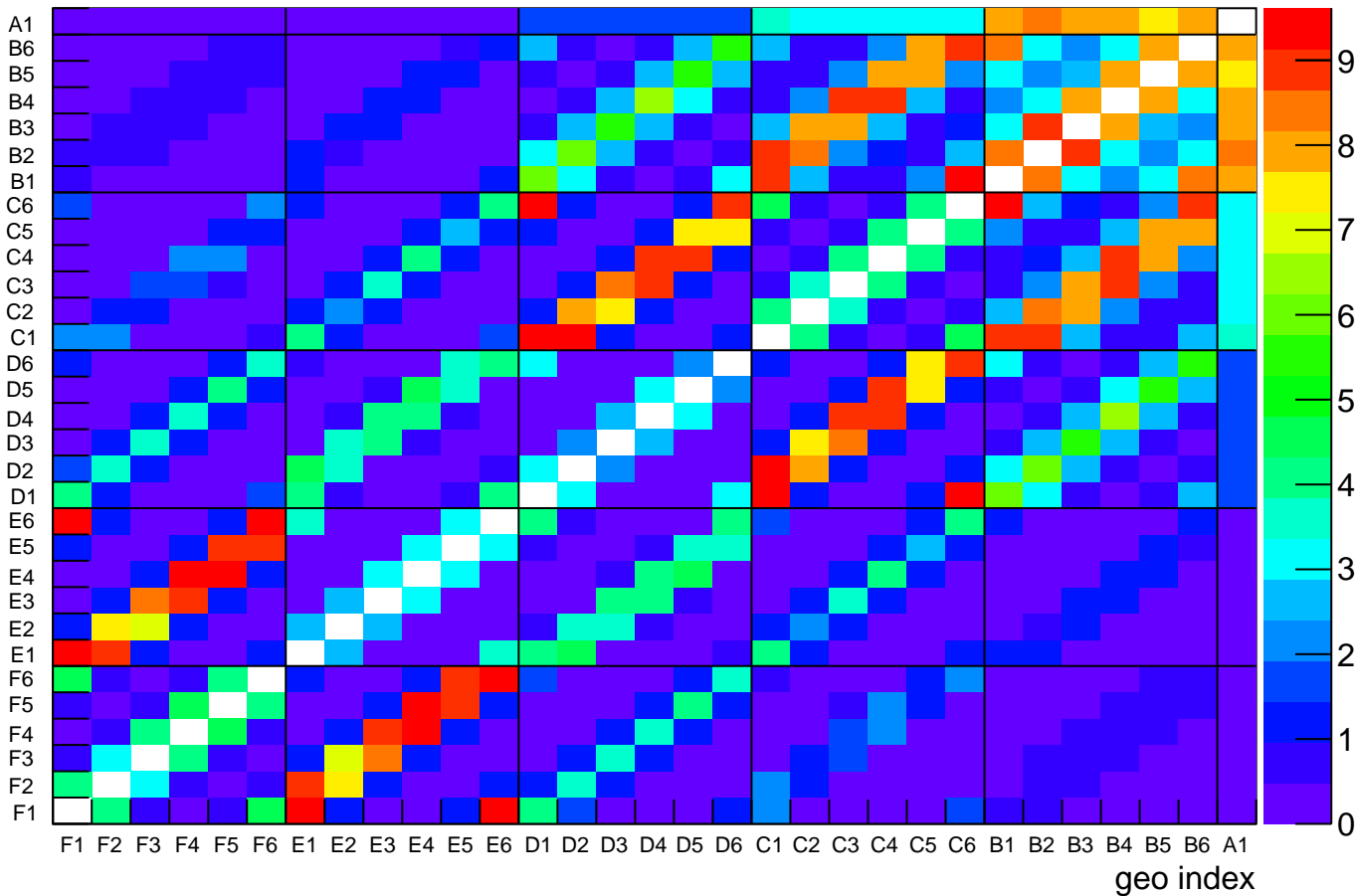




**DOM3 ToTs**  
**Red line at 25**

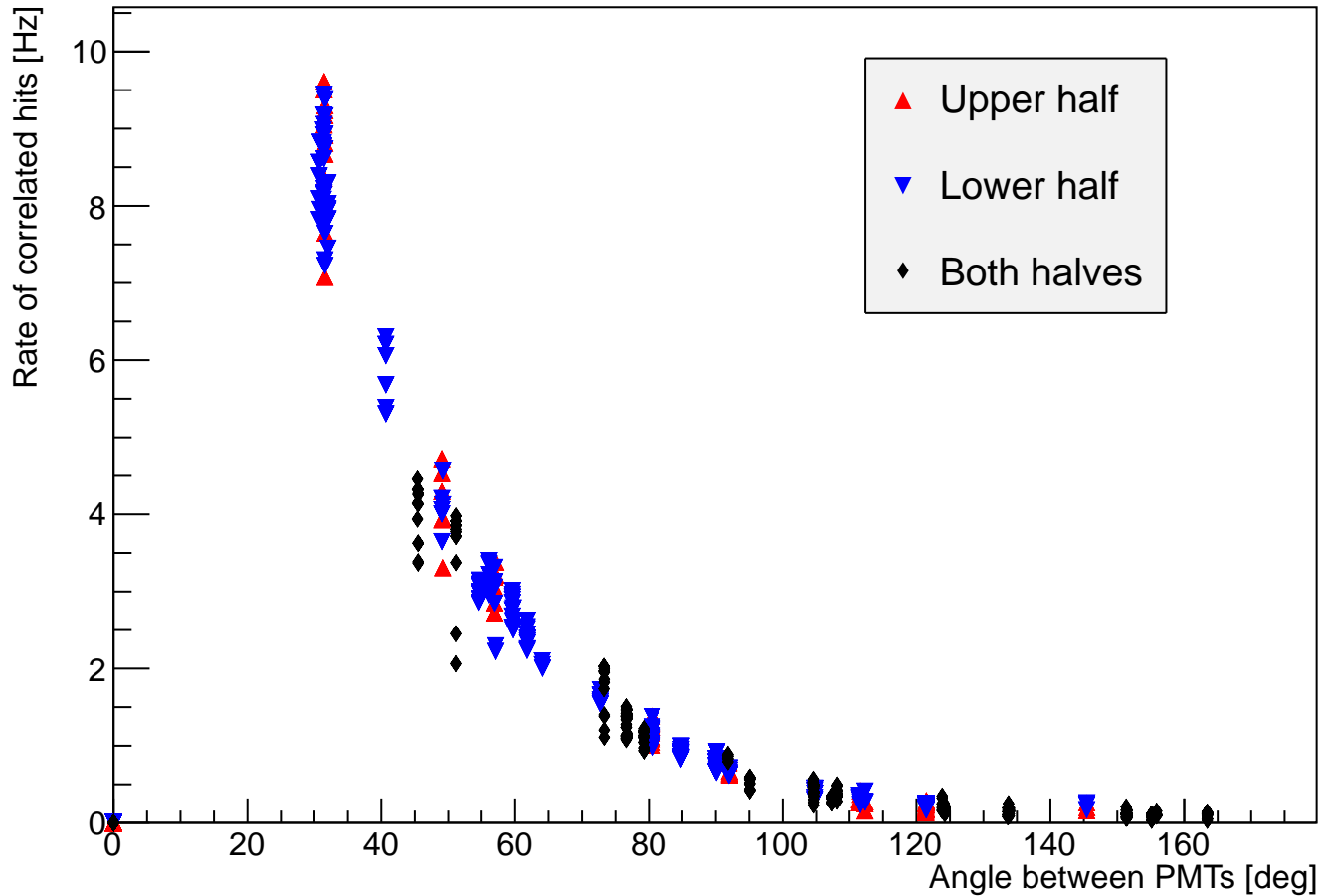
# DOM3 correlations (rate of correlated hits [Hz])

geo index

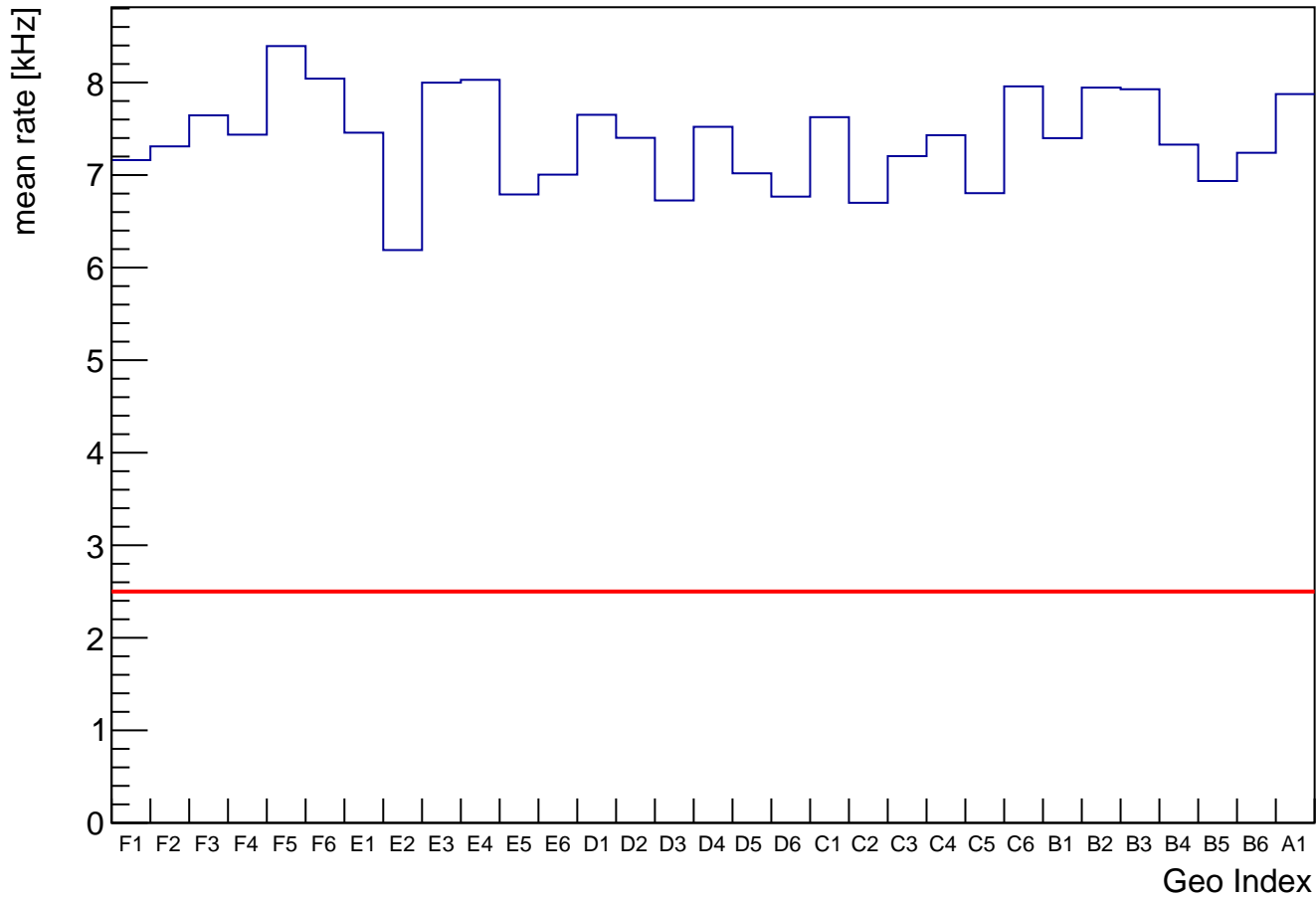


geo index

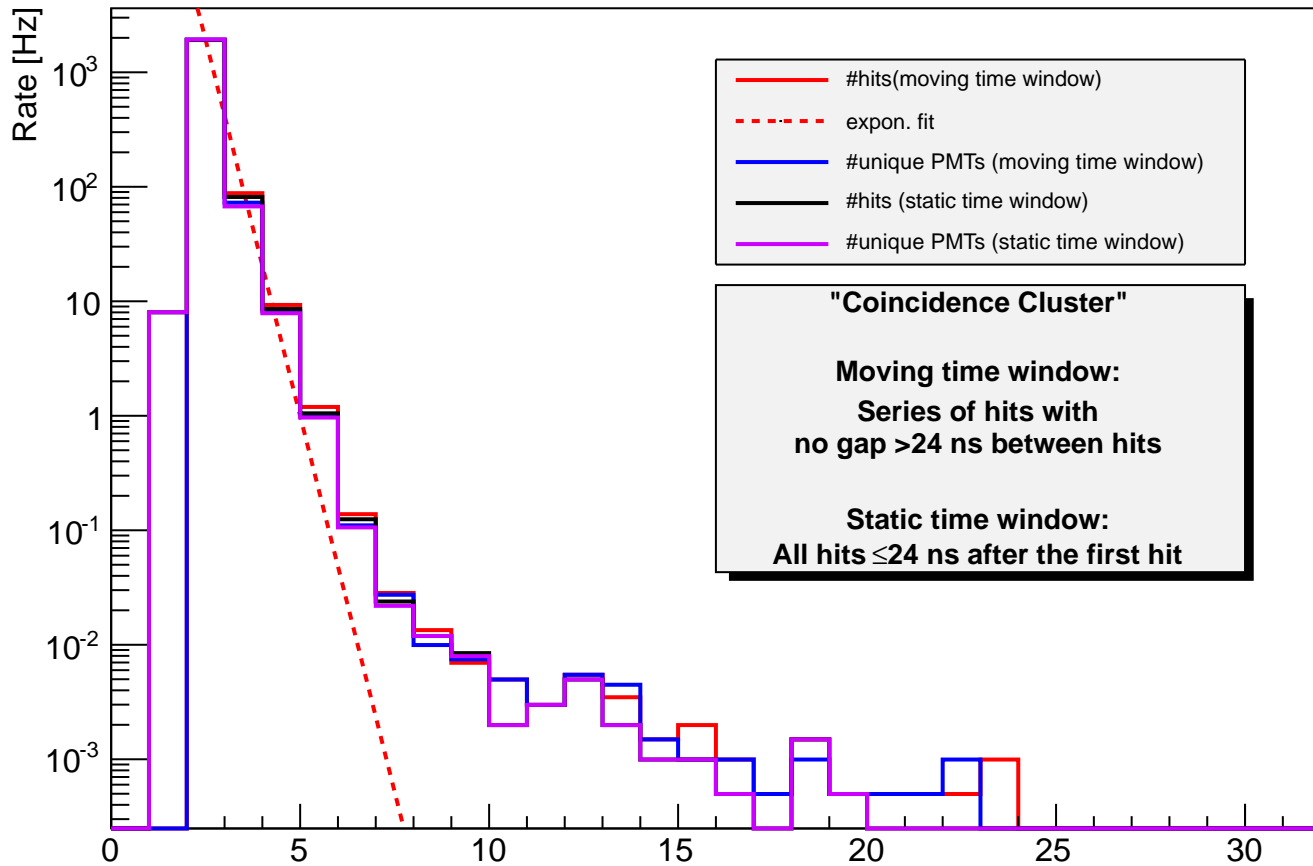
Correlation vs angle DOM3

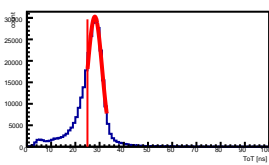
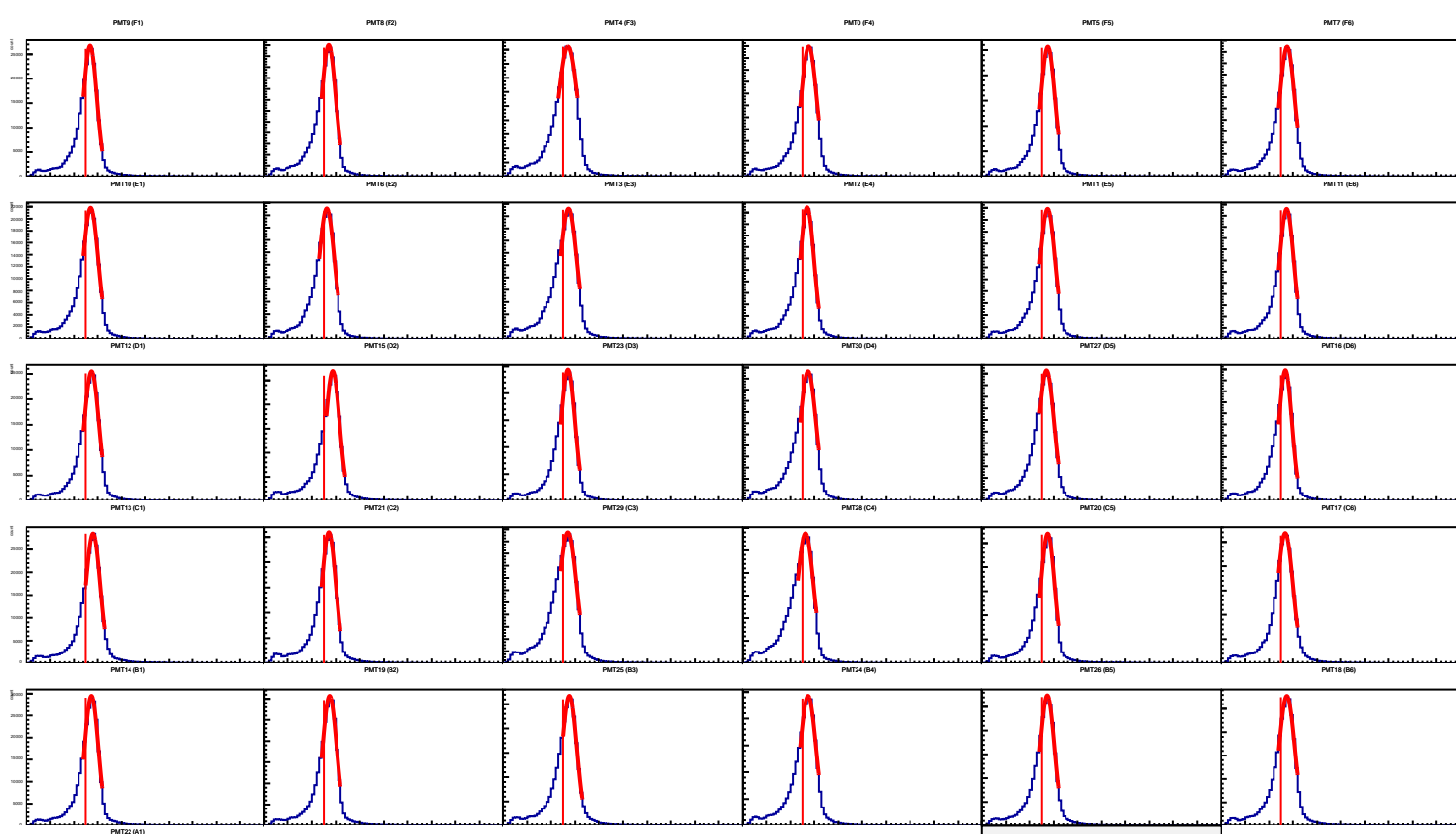


# Mean Rates DOM3



# Coincidence clusters DOM4



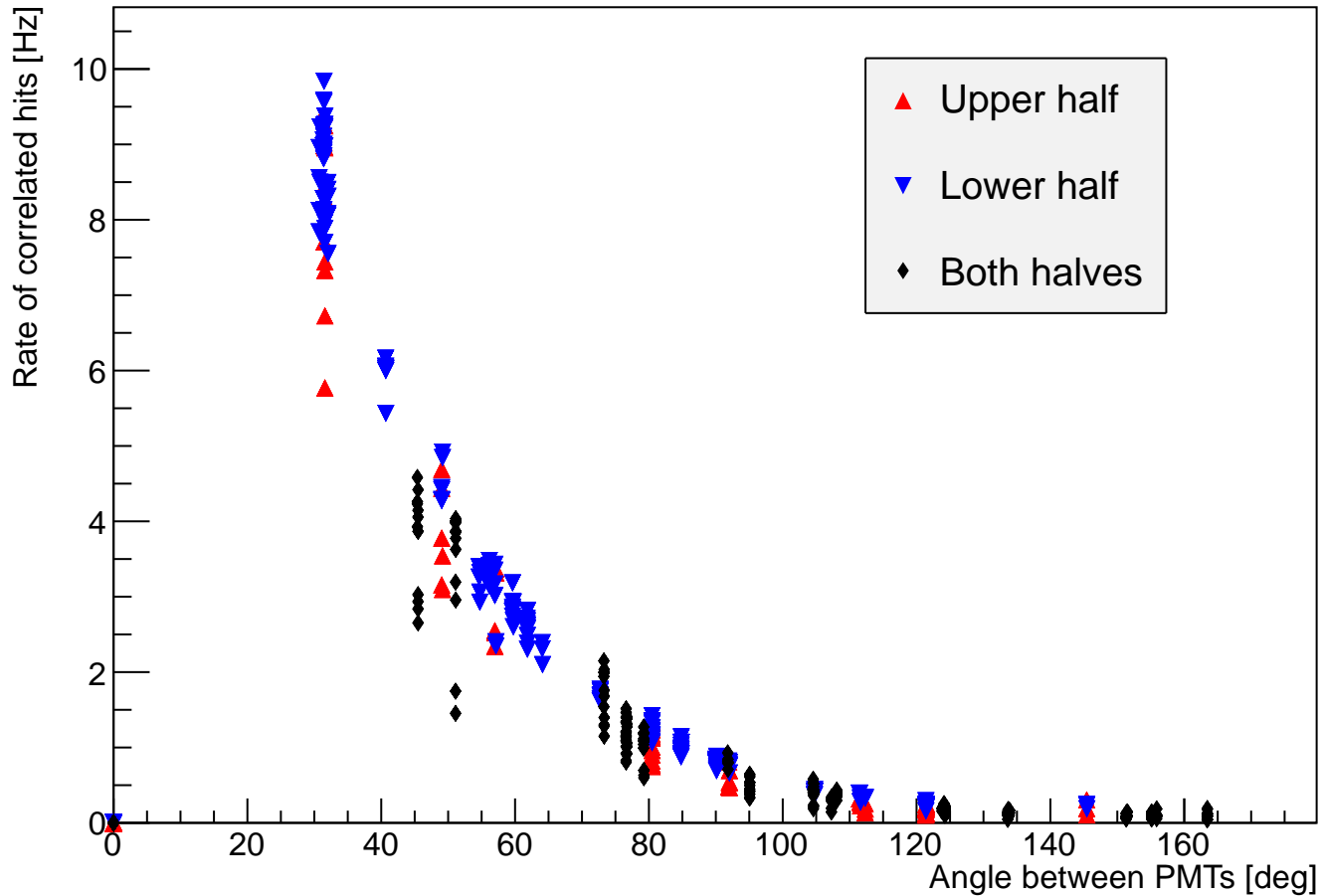


**DOM4 ToTs**  
**Red line at 25**

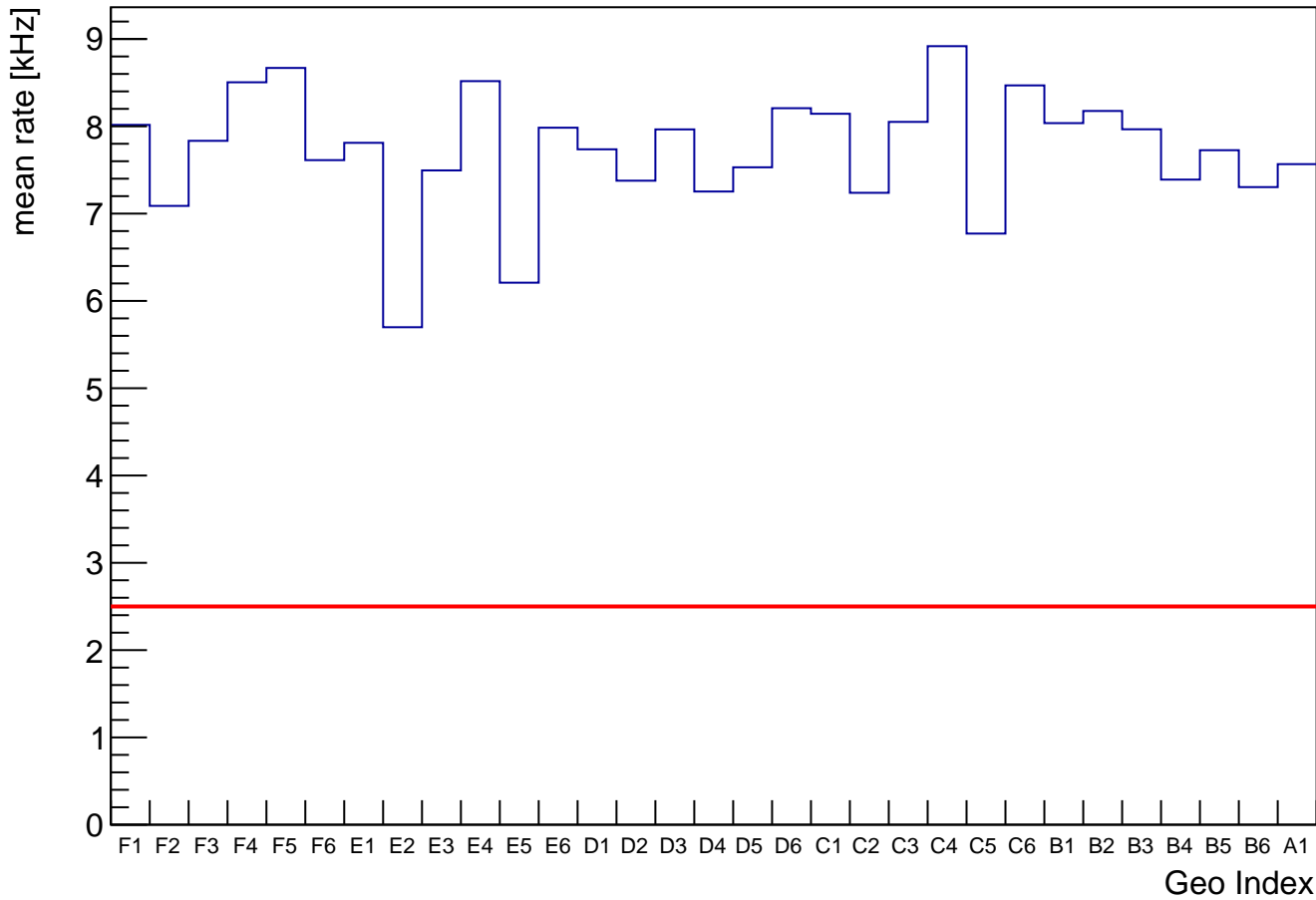




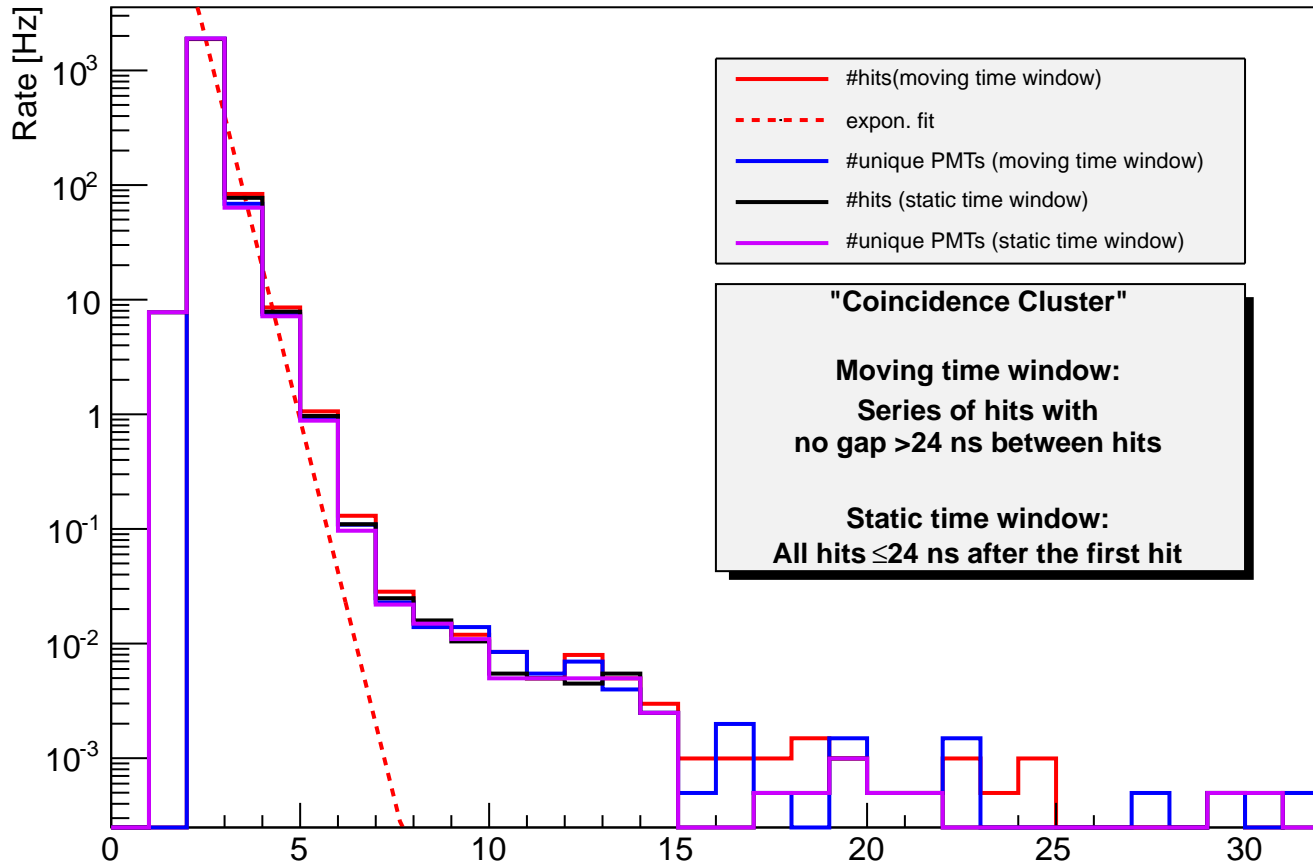
Correlation vs angle DOM4

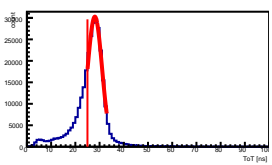
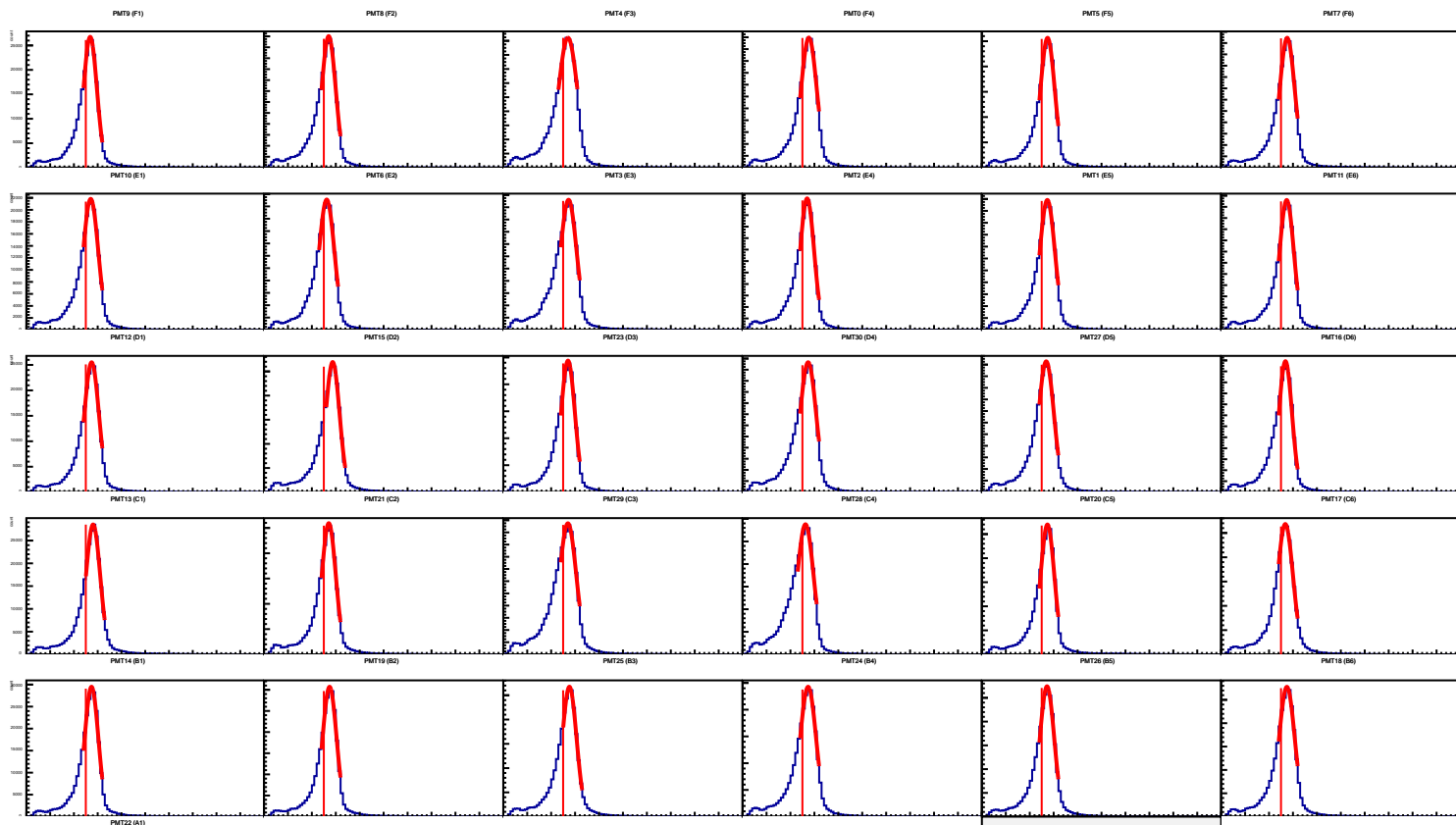


# Mean Rates DOM4



# Coincidence clusters DOM5

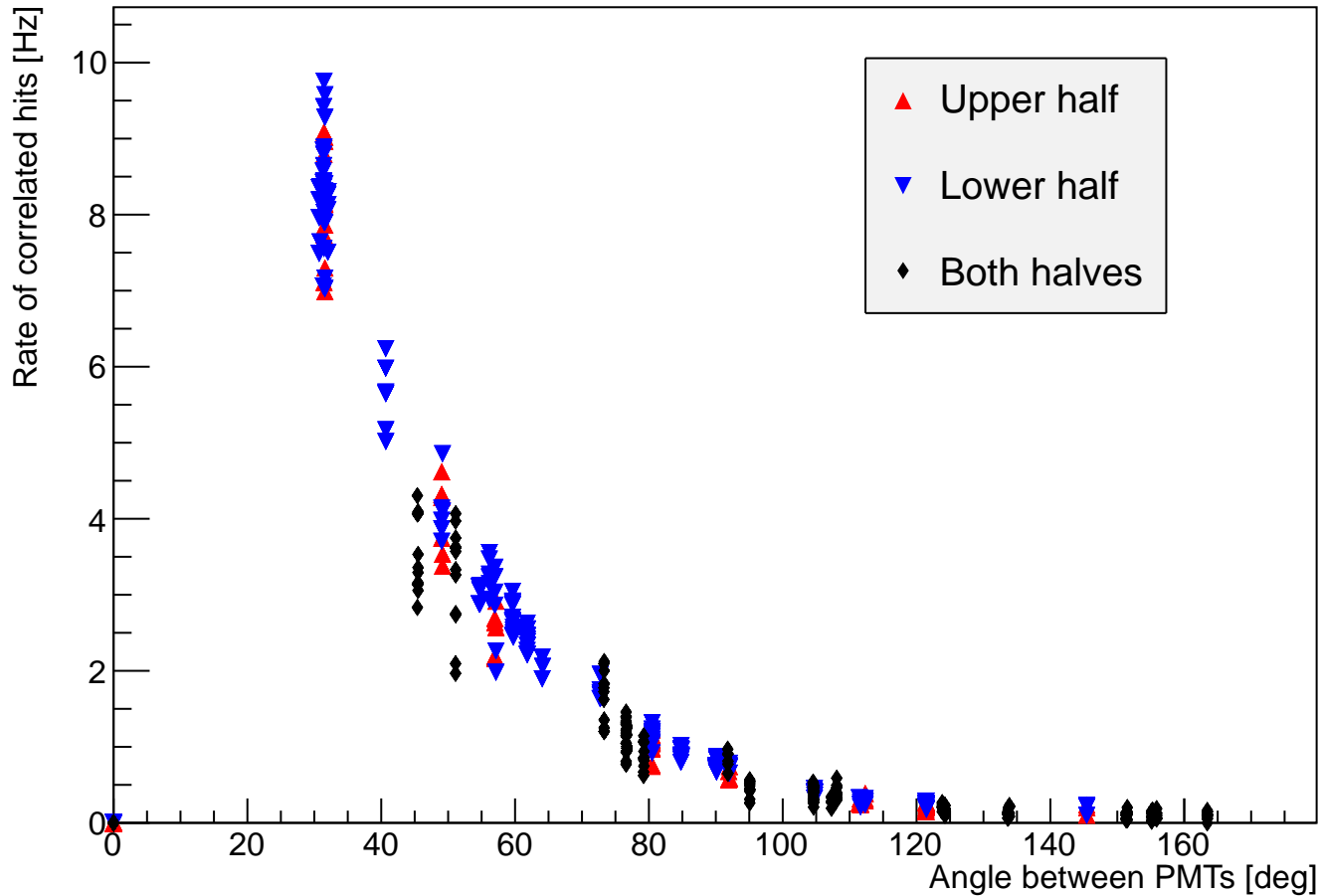




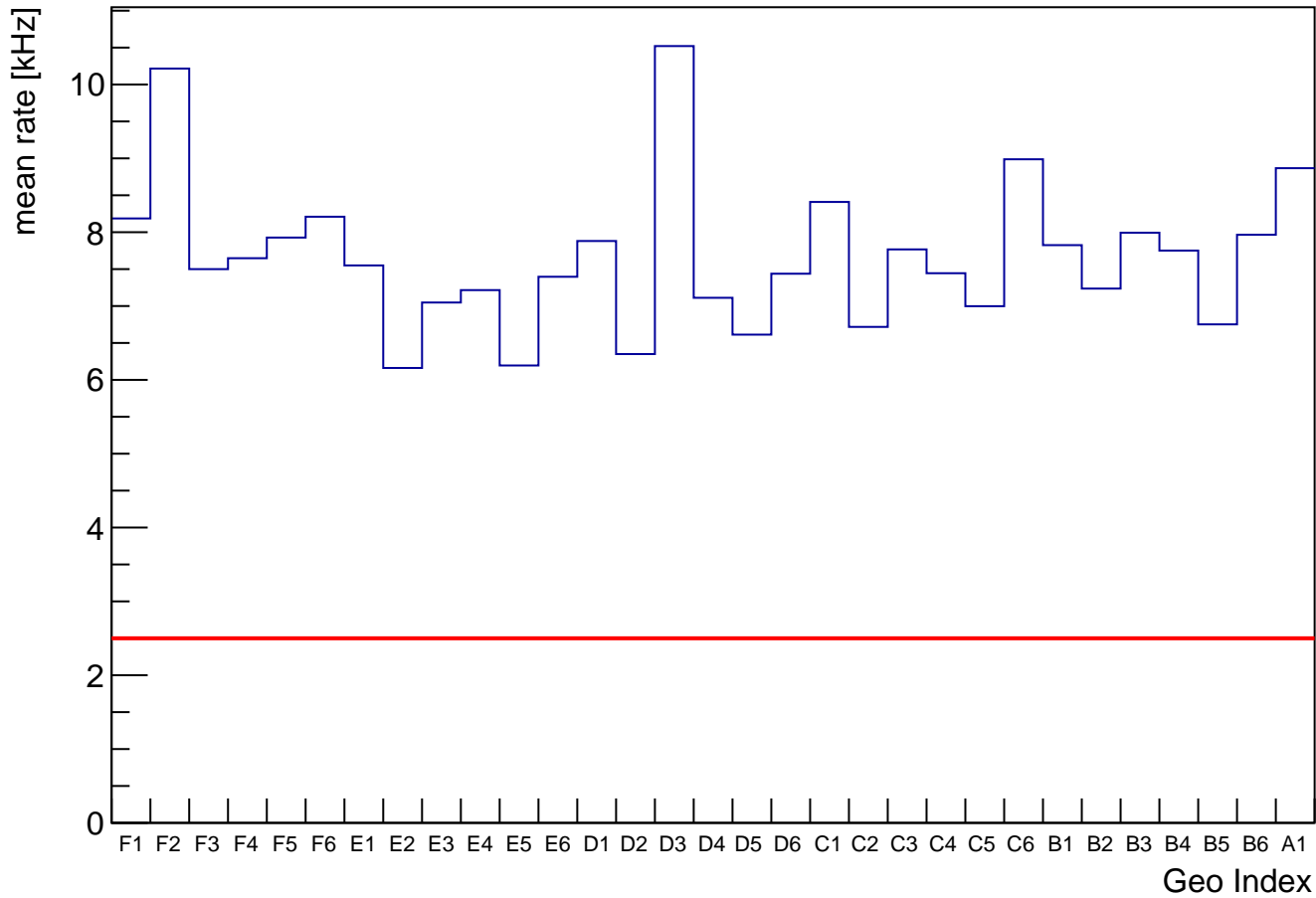
**DOM5 ToTs**  
**Red line at 25**



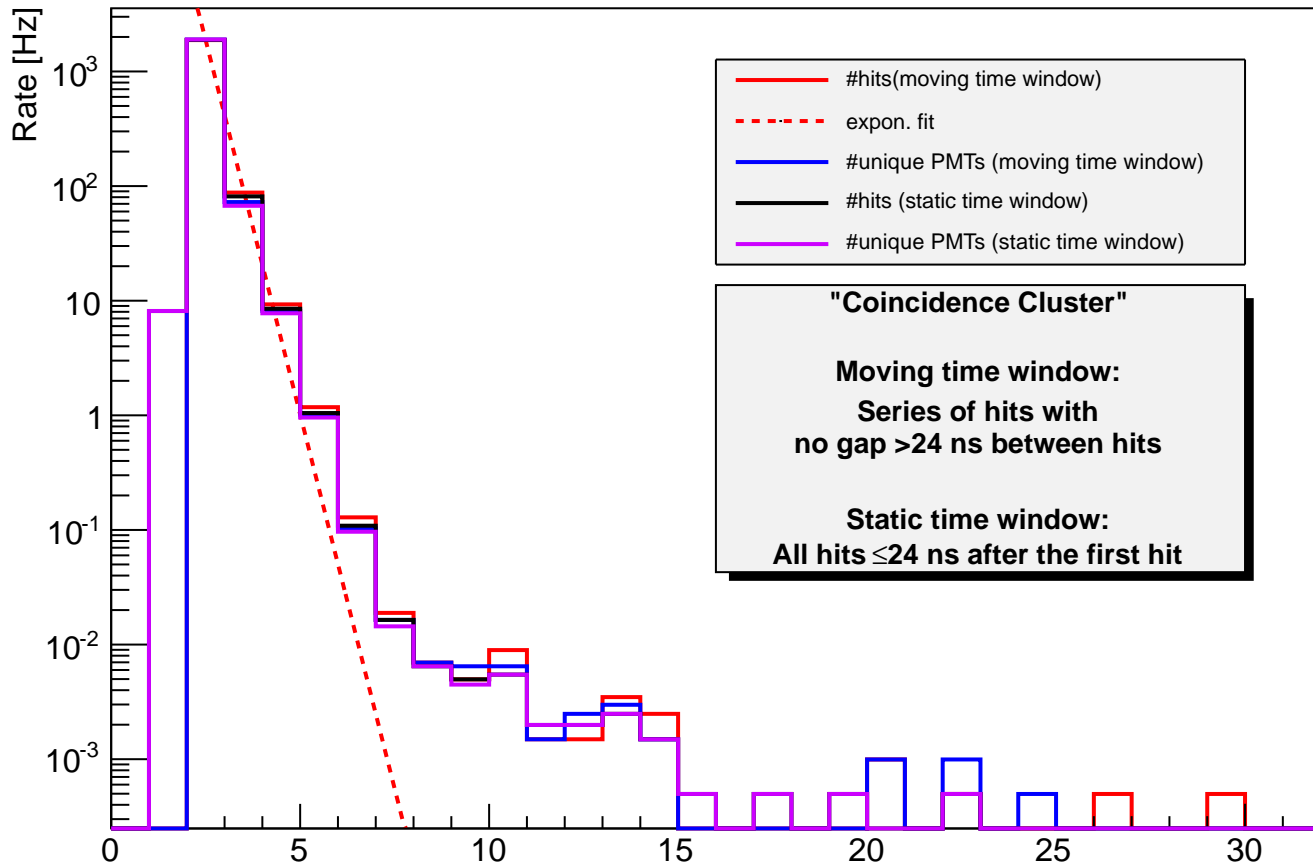
Correlation vs angle DOM5



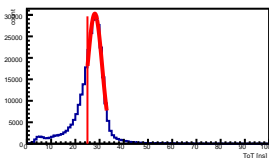
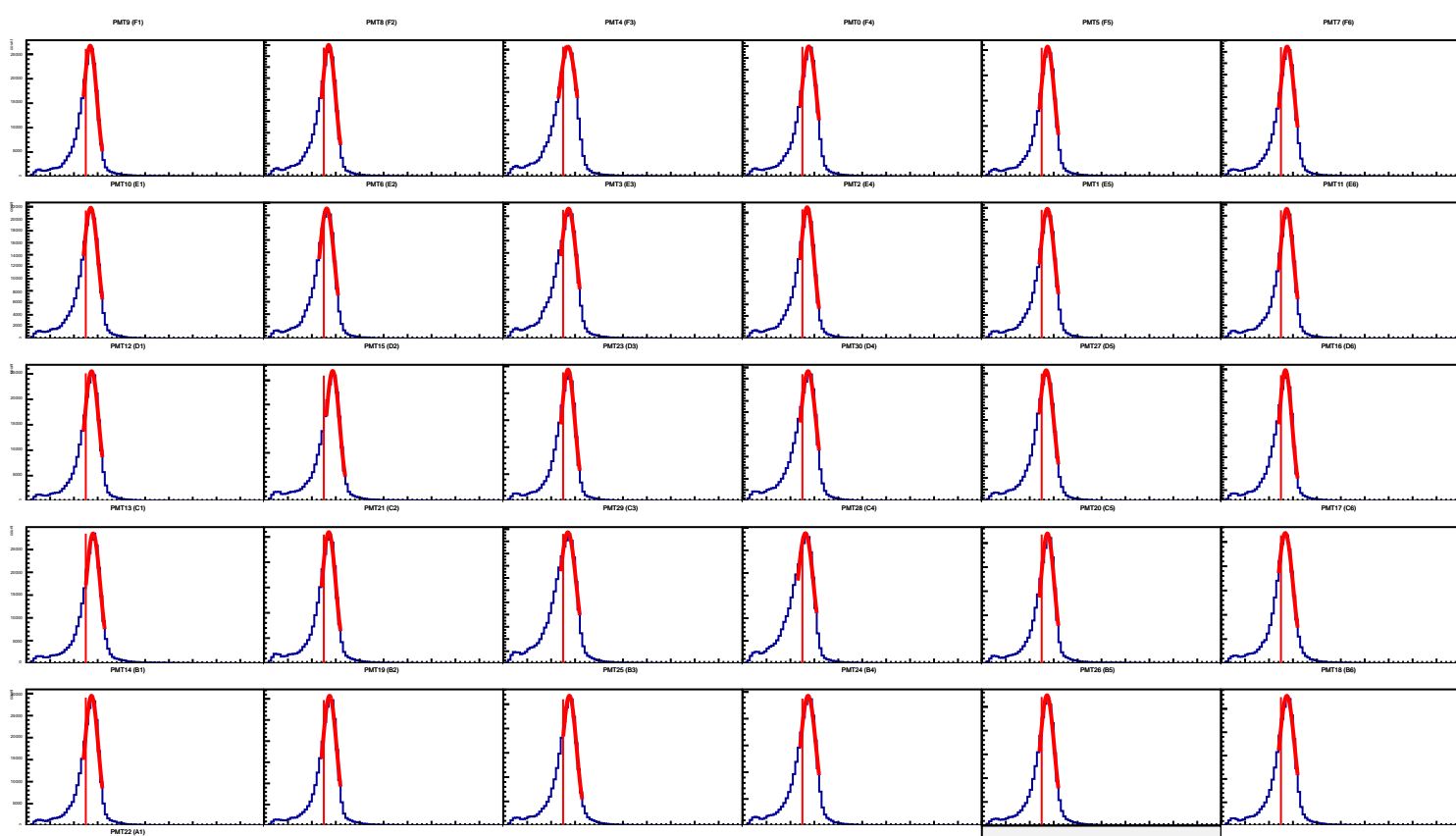
# Mean Rates DOM5



# Coincidence clusters DOM6



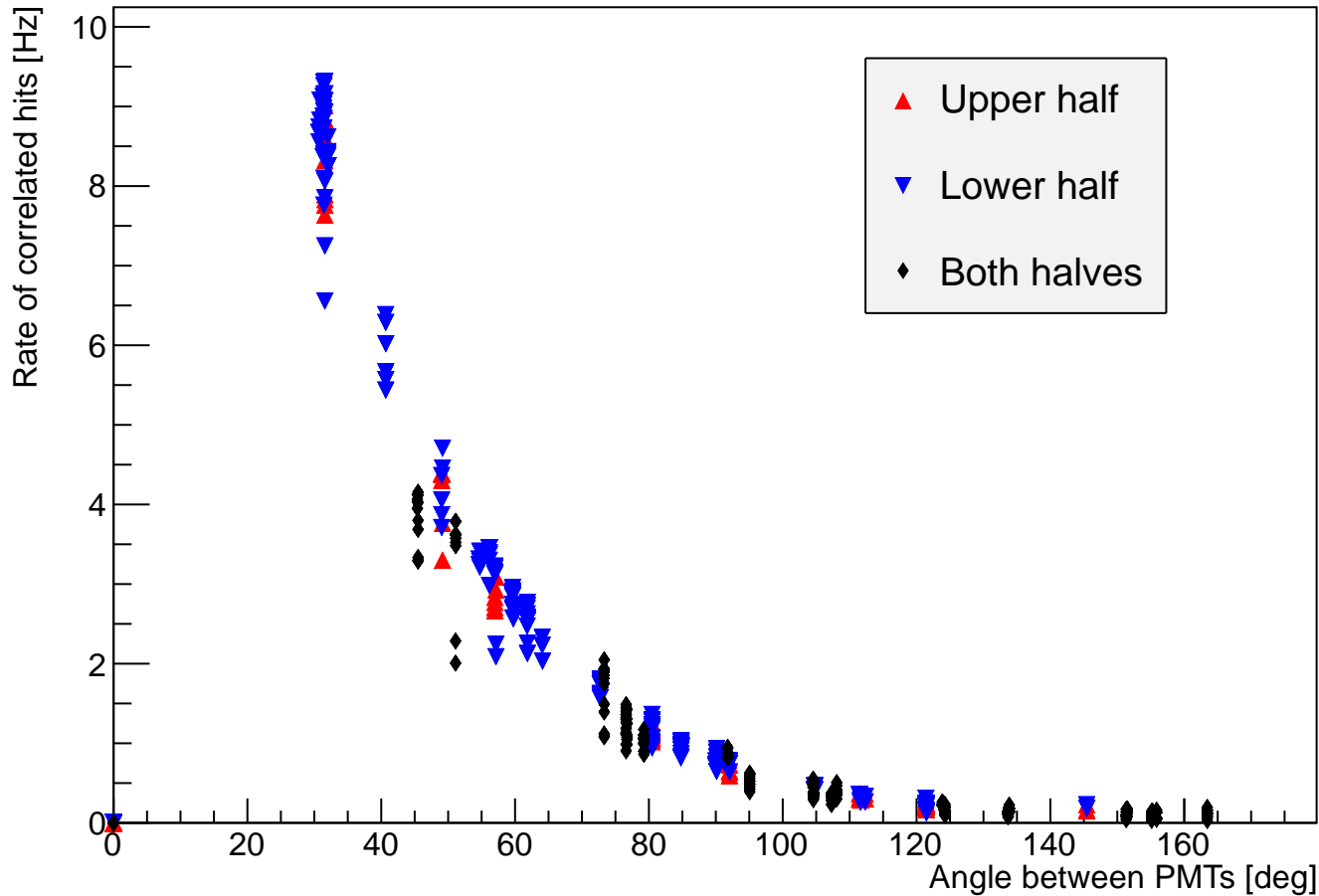




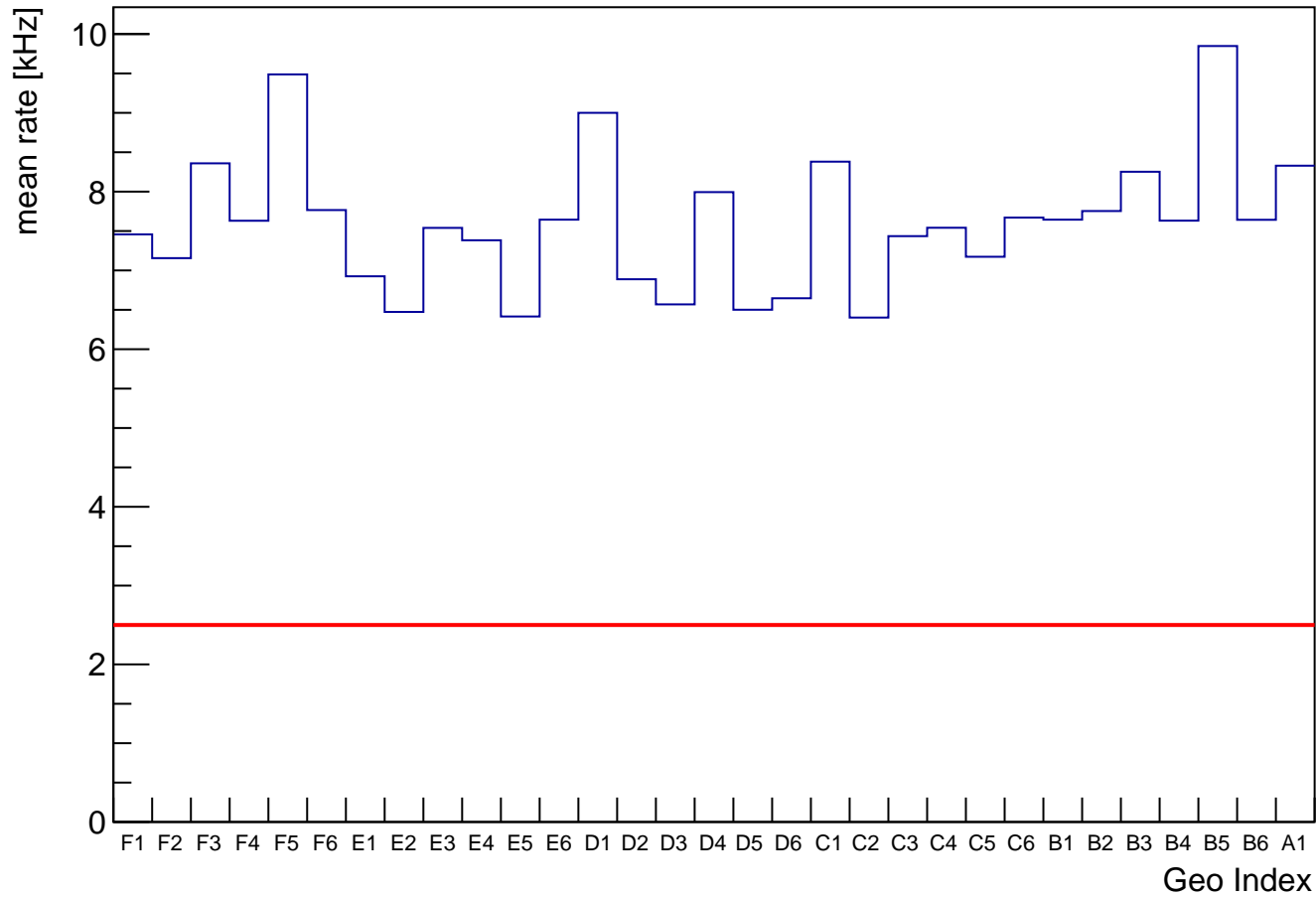
**DOM6 ToTs**  
**Red line at 25**



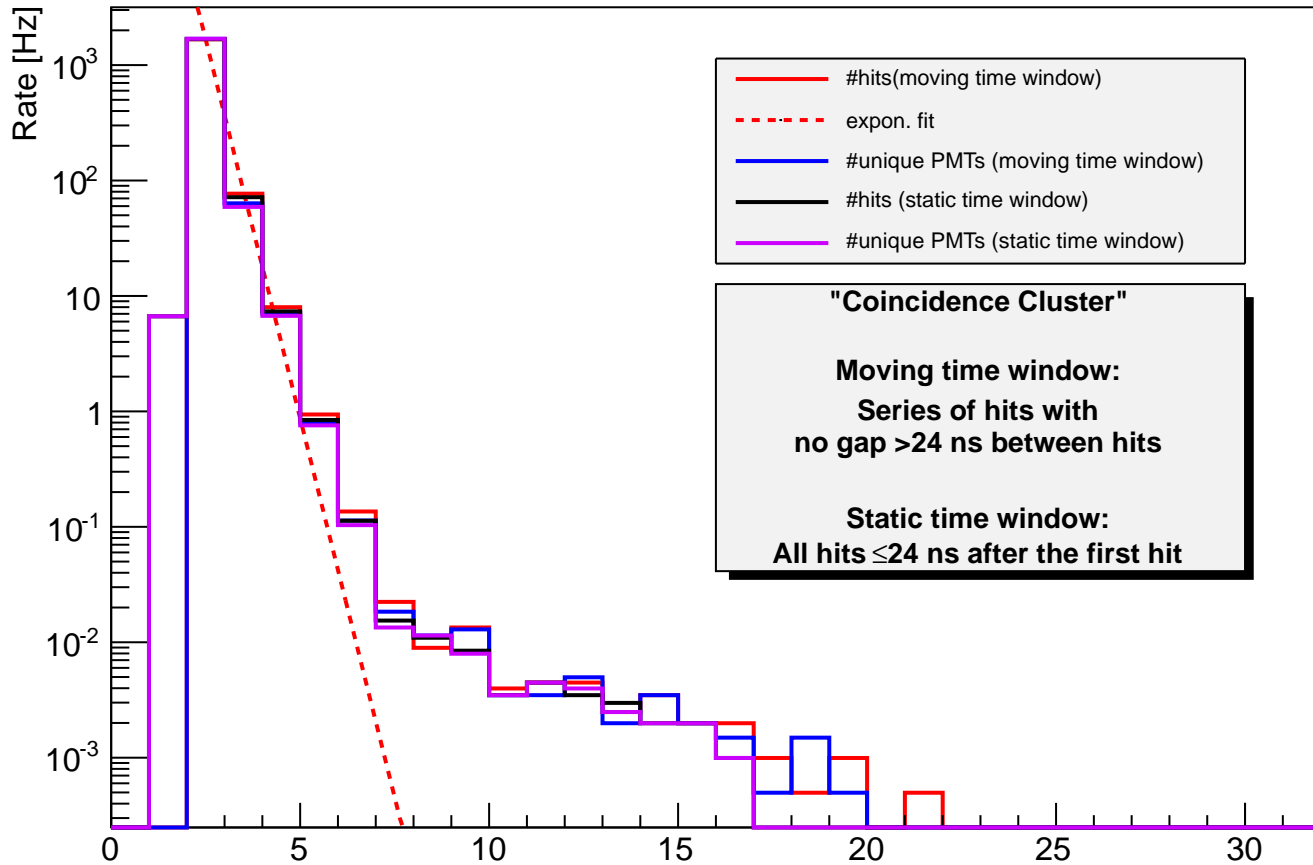
Correlation vs angle DOM6

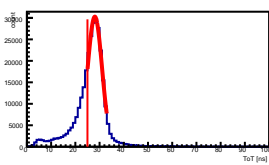
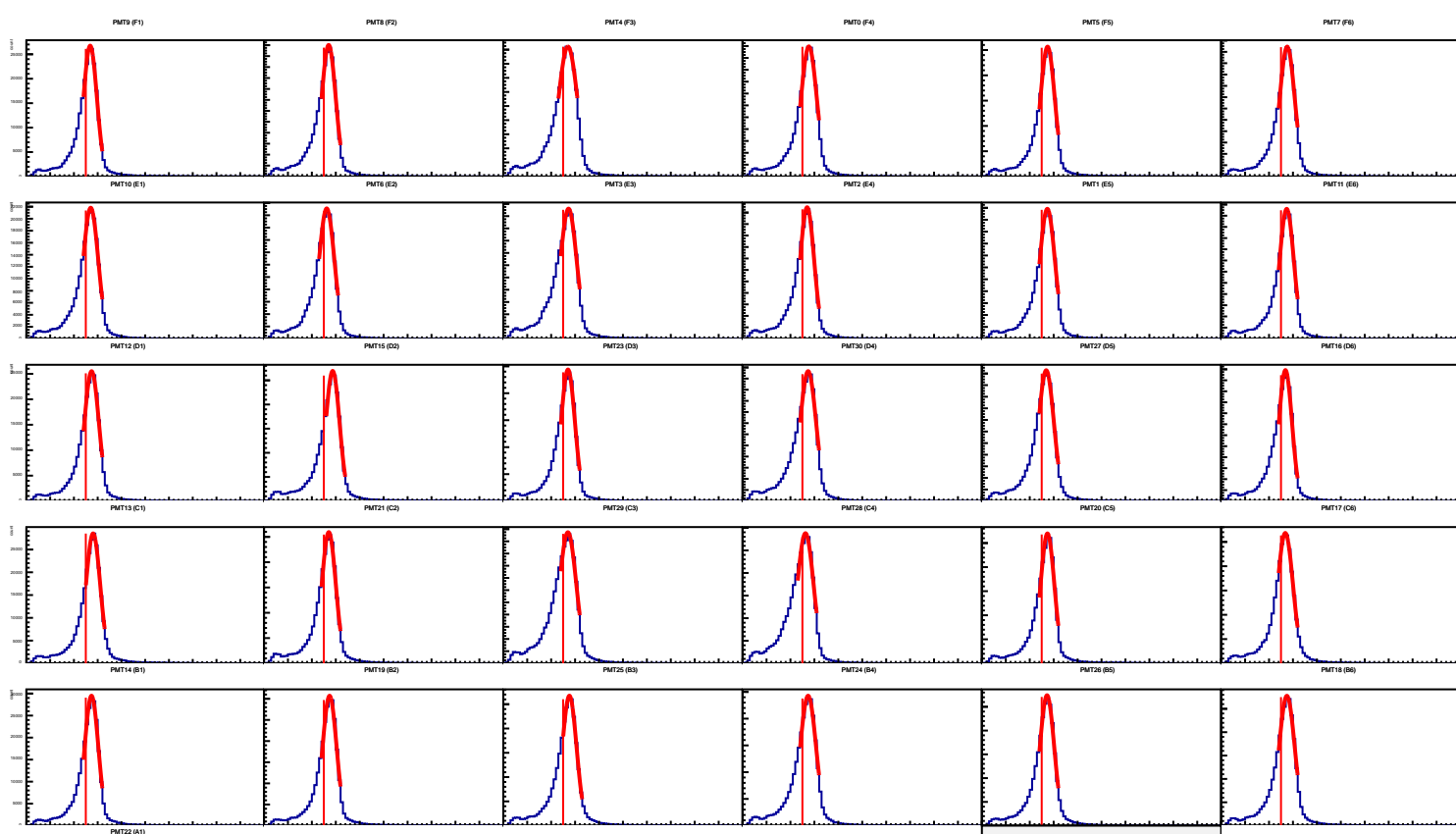


# Mean Rates DOM6



# Coincidence clusters DOM7

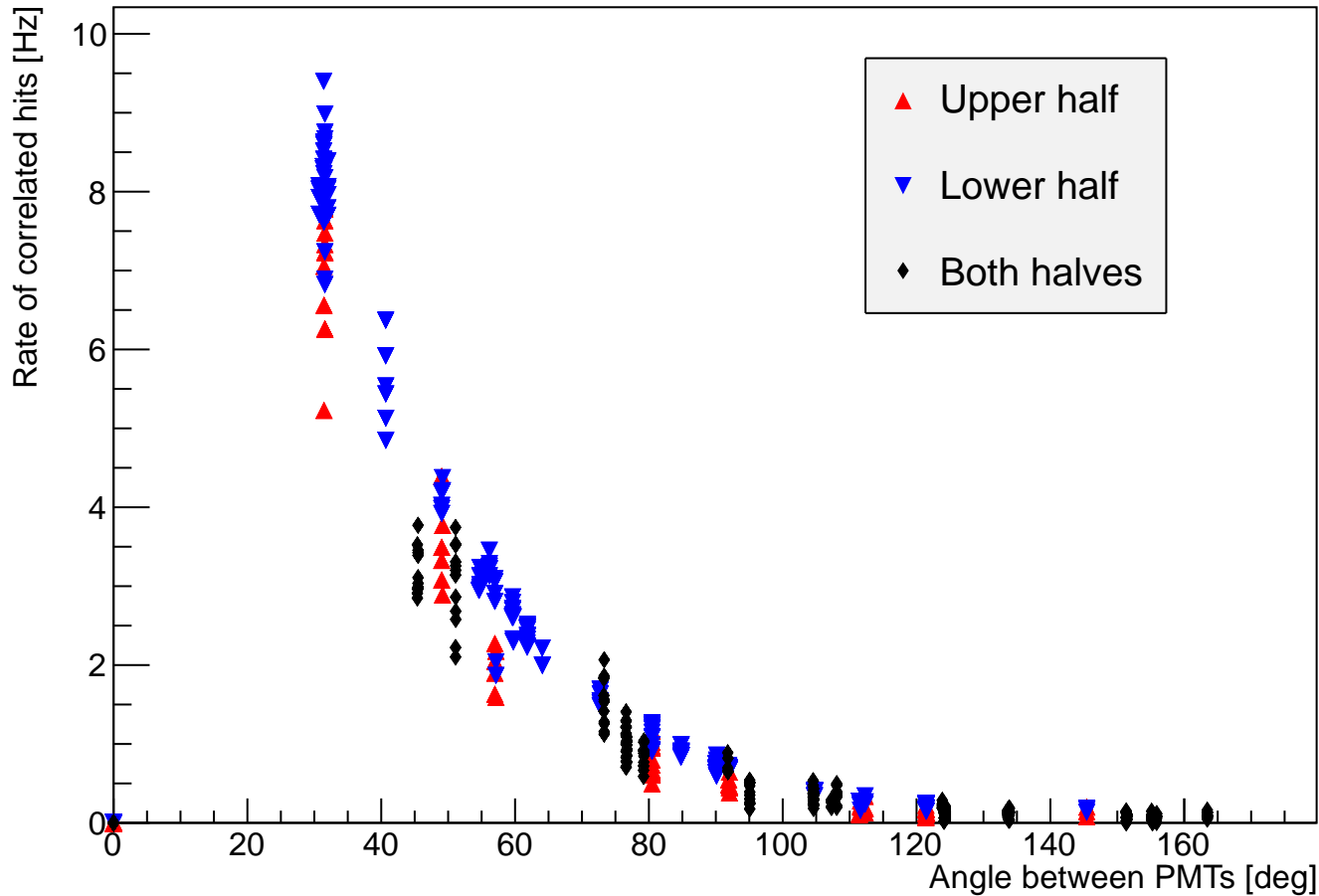




**DOM7 ToTs**  
**Red line at 25**

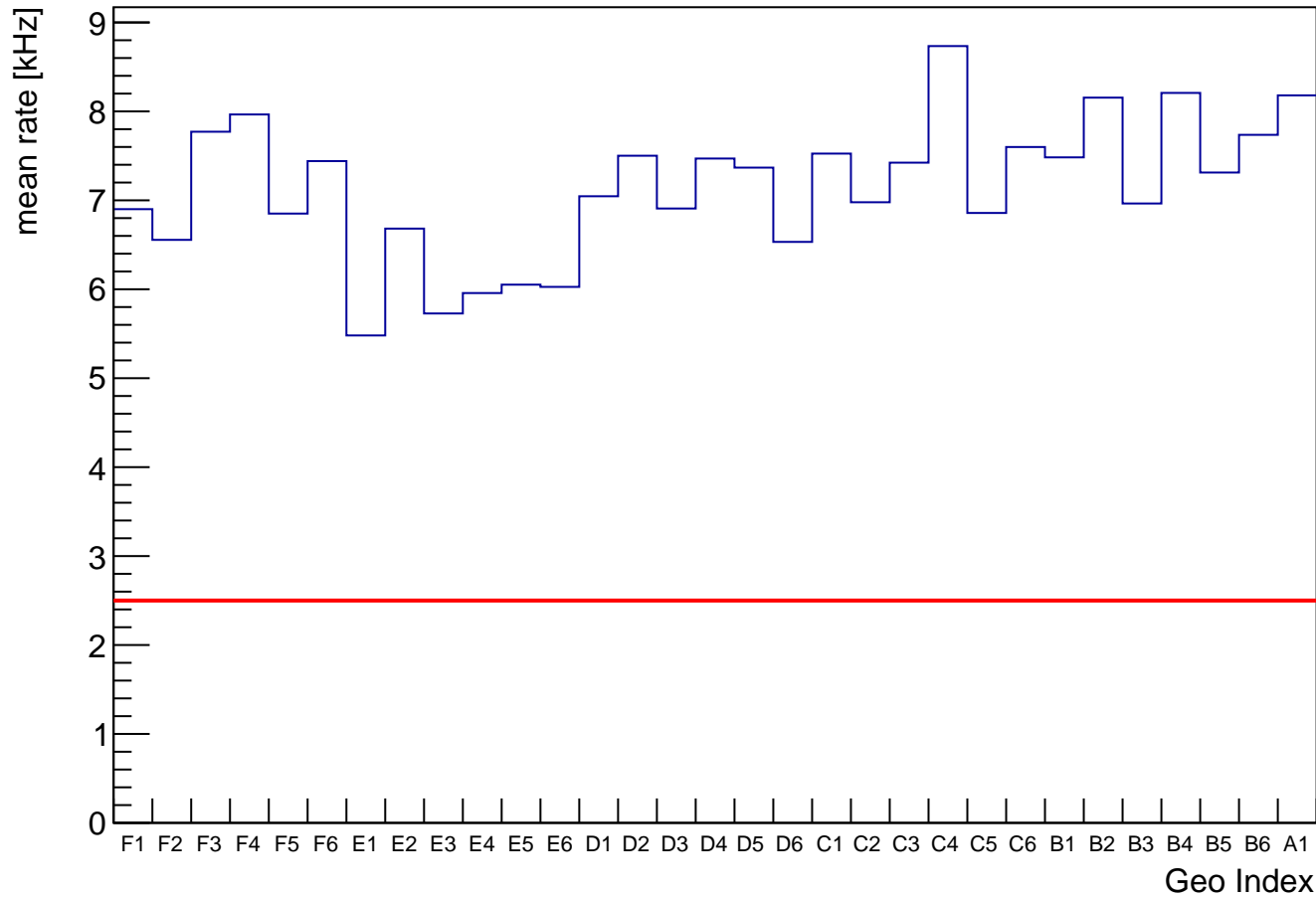


Correlation vs angle DOM7

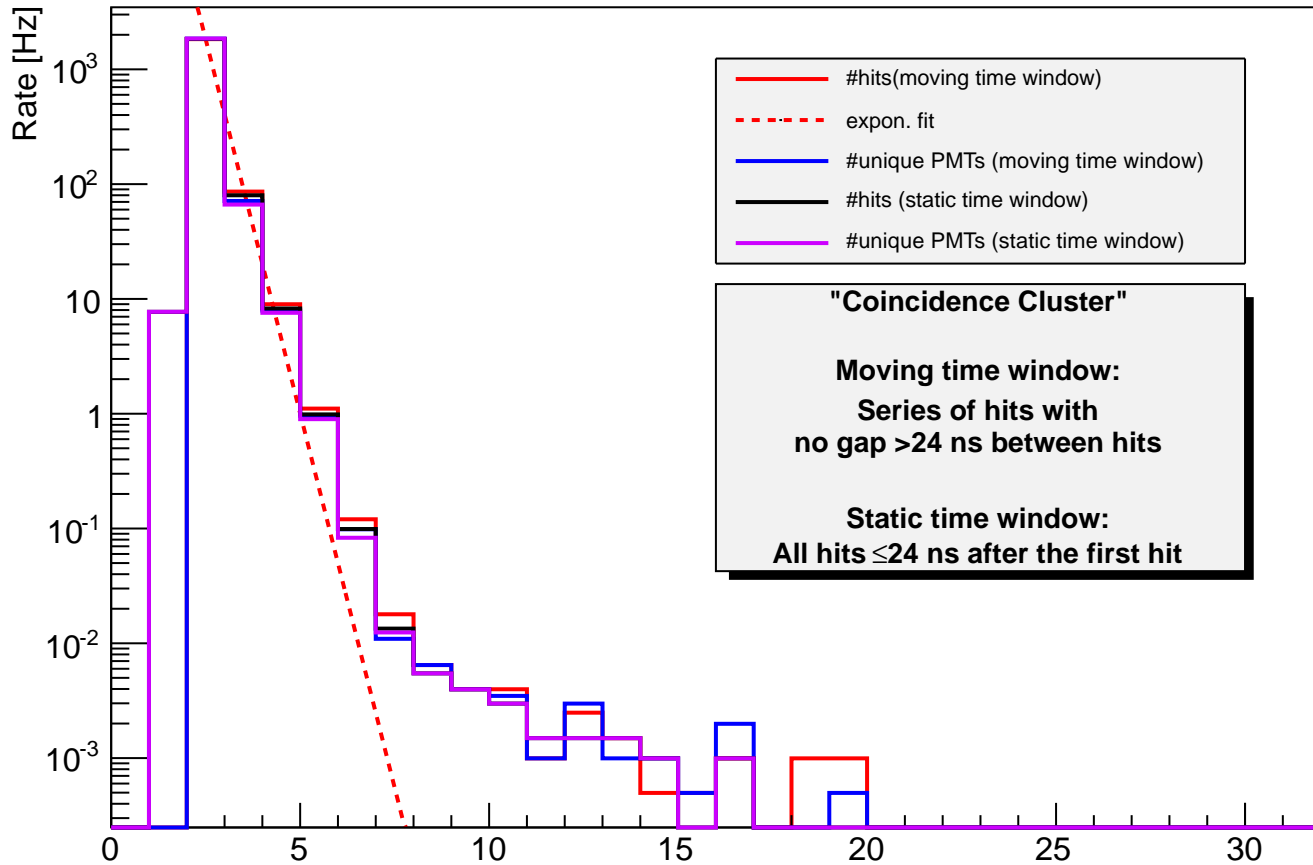


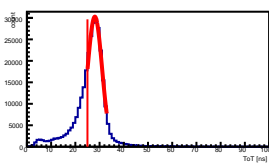
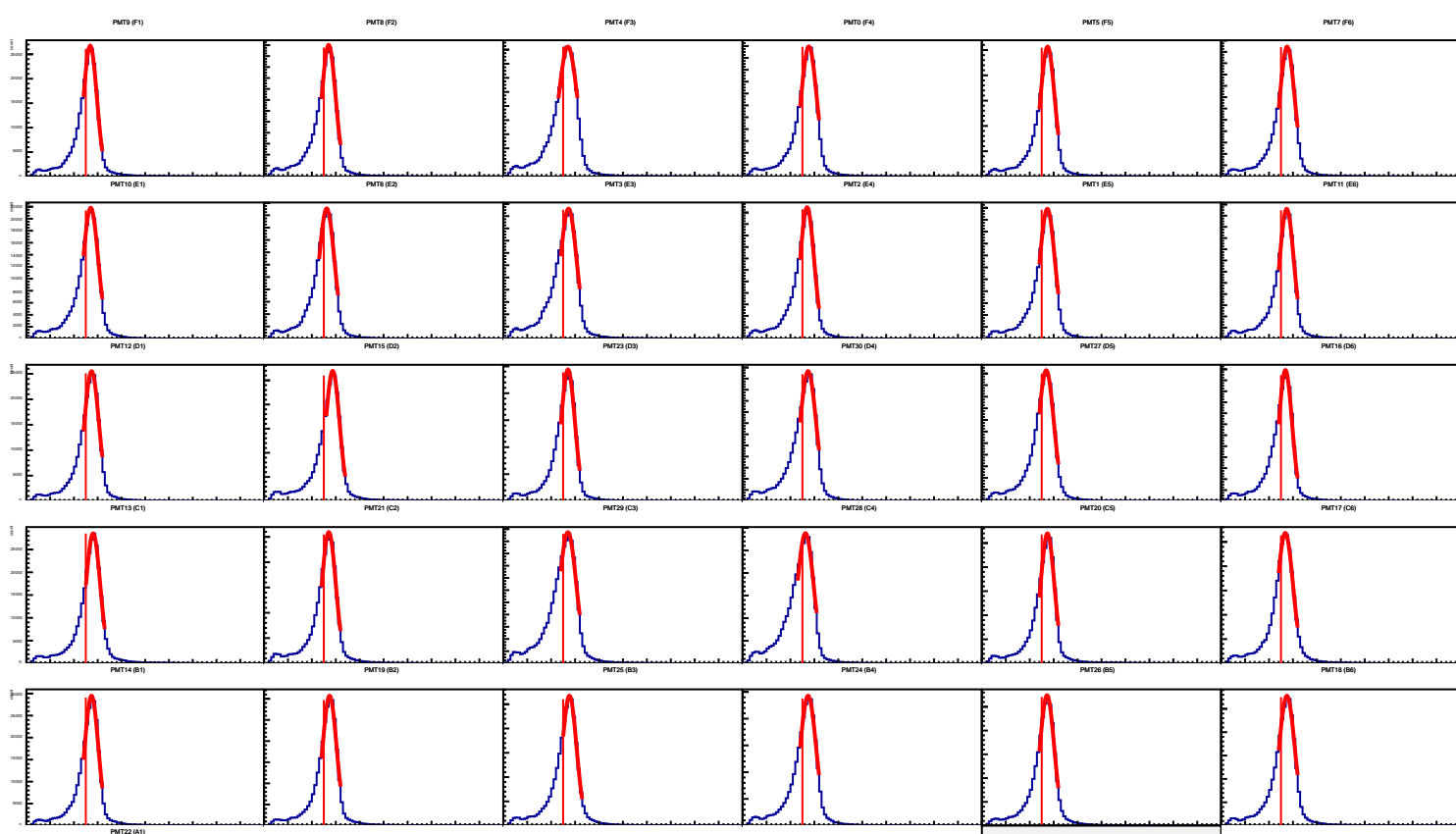


# Mean Rates DOM7



# Coincidence clusters DOM8

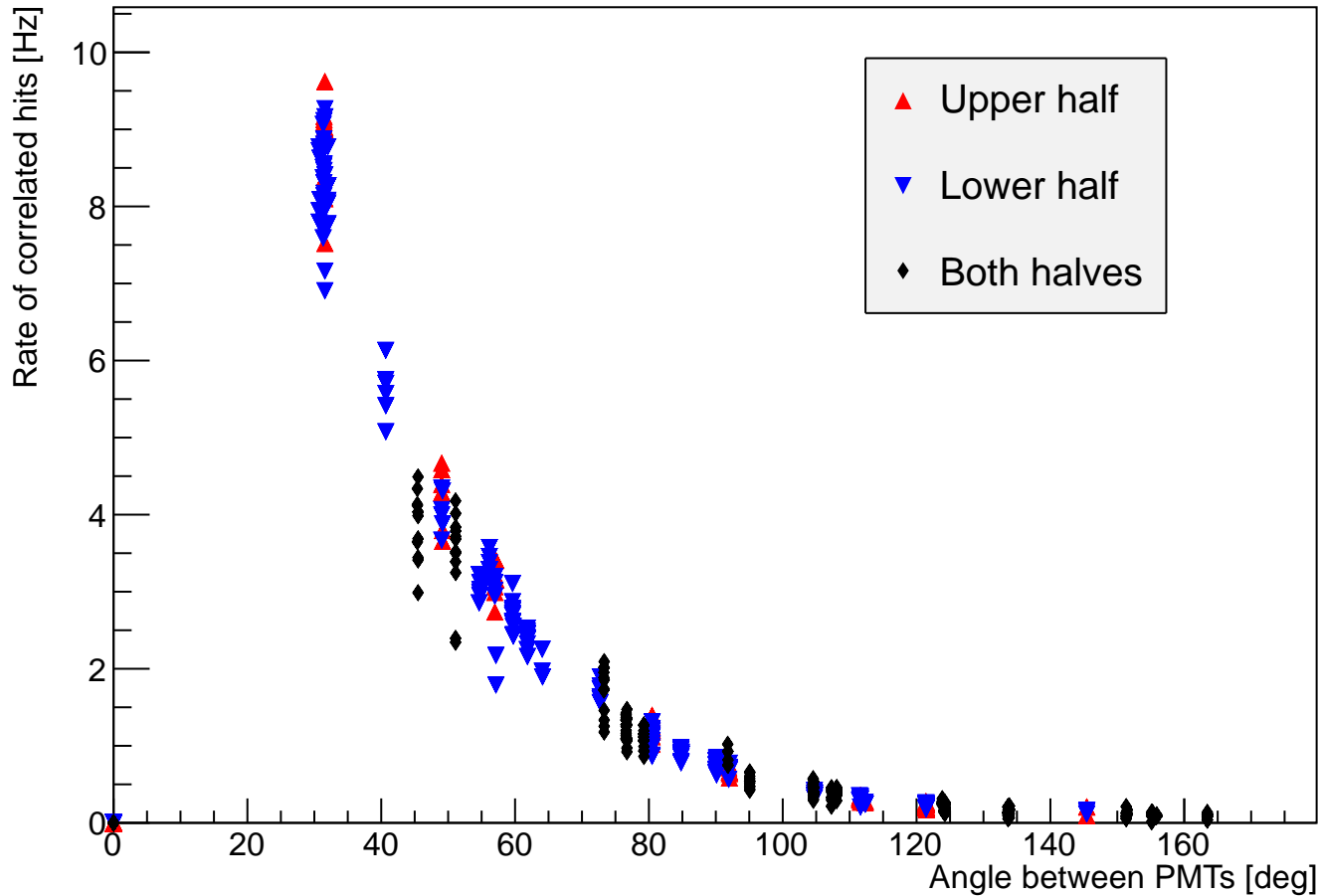




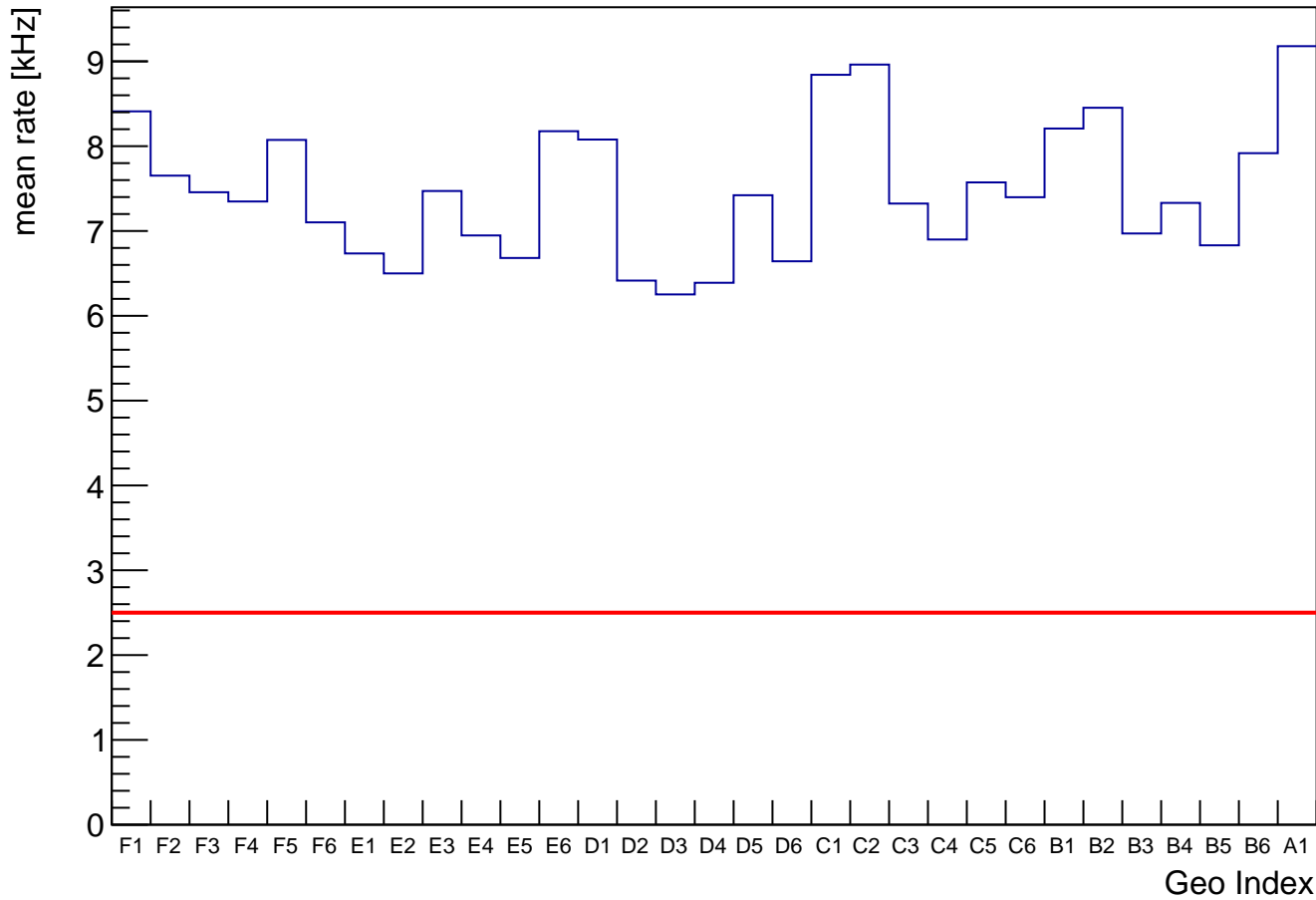
**DOM8 ToTs**  
**Red line at 25**



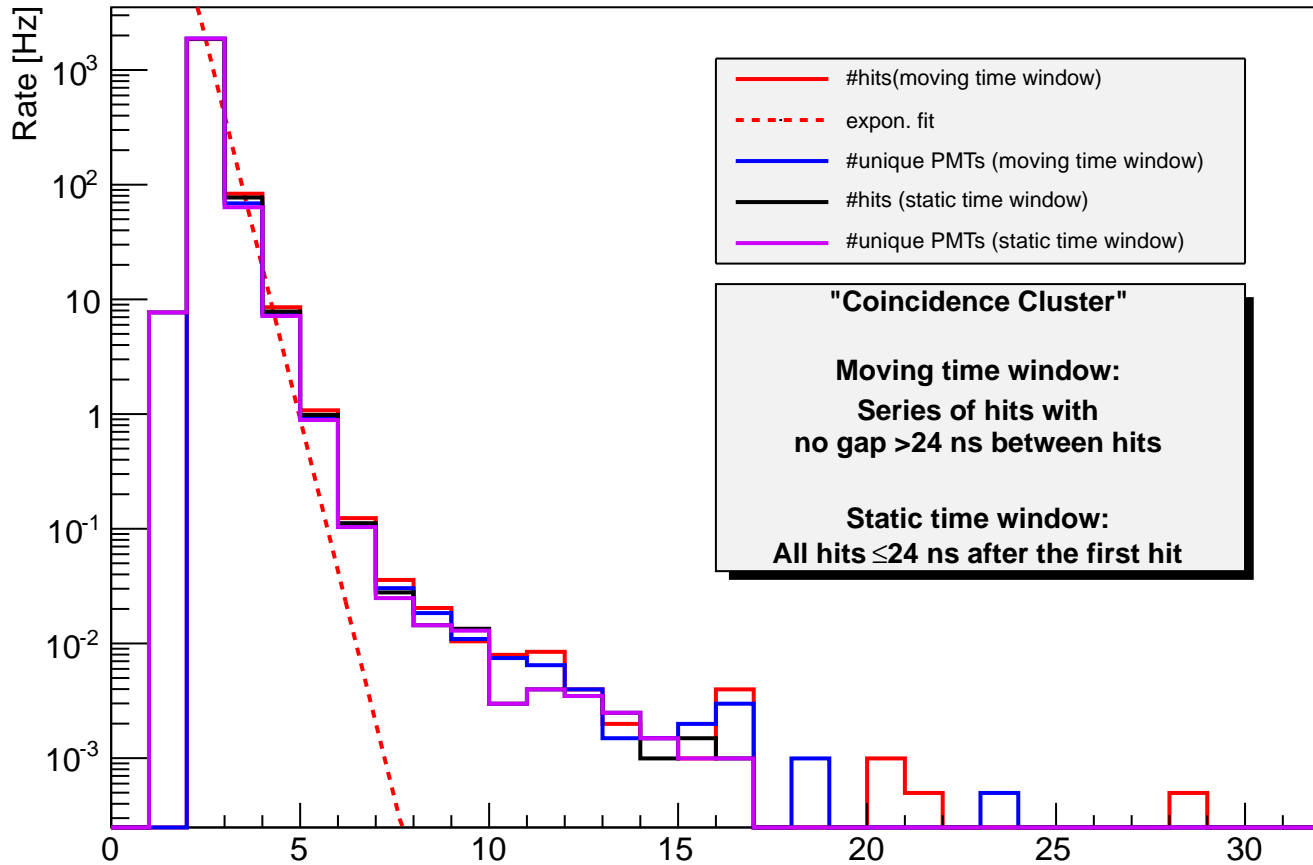
Correlation vs angle DOM8

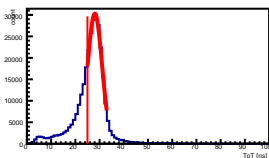
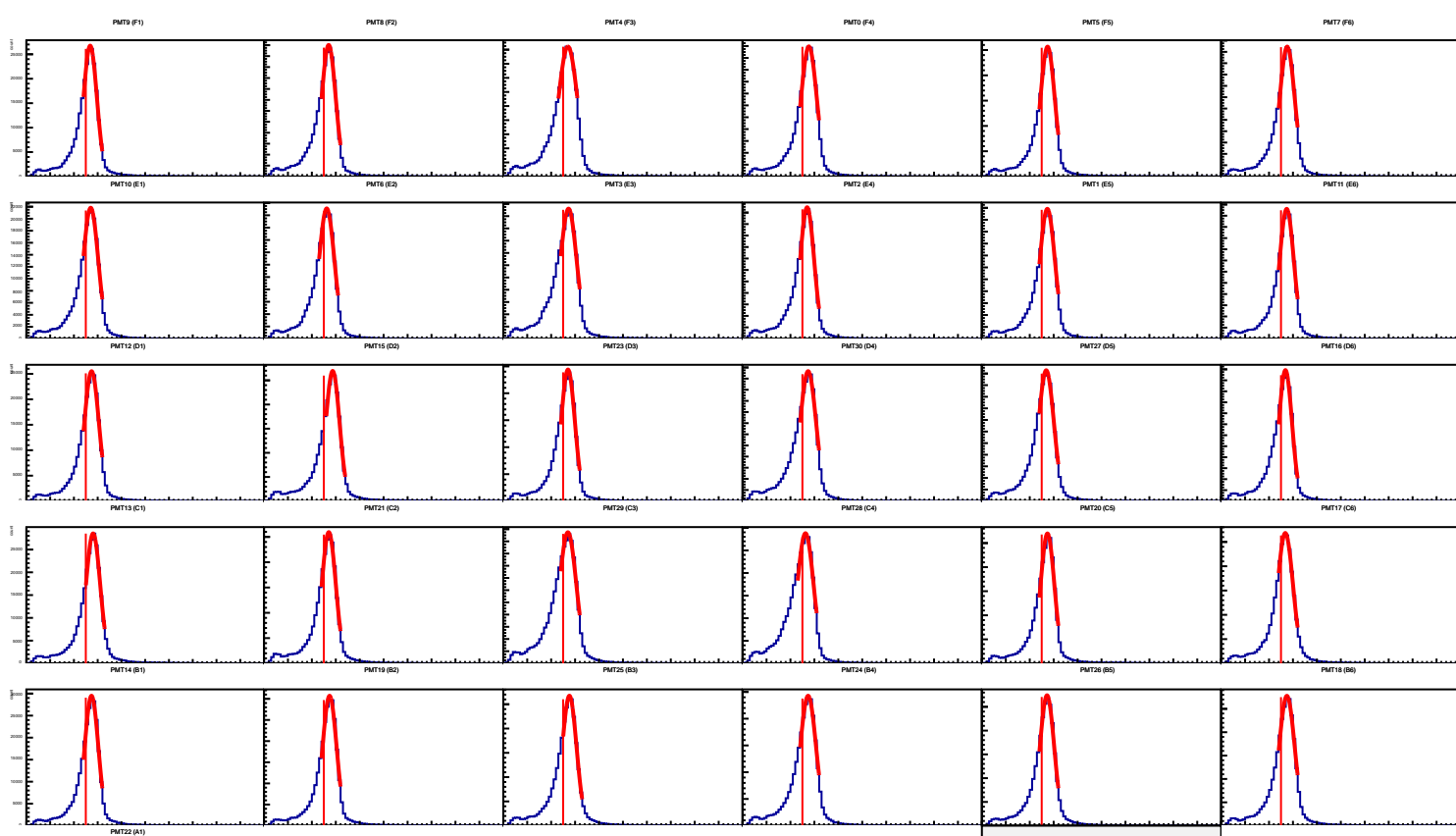


# Mean Rates DOM8



# Coincidence clusters DOM9



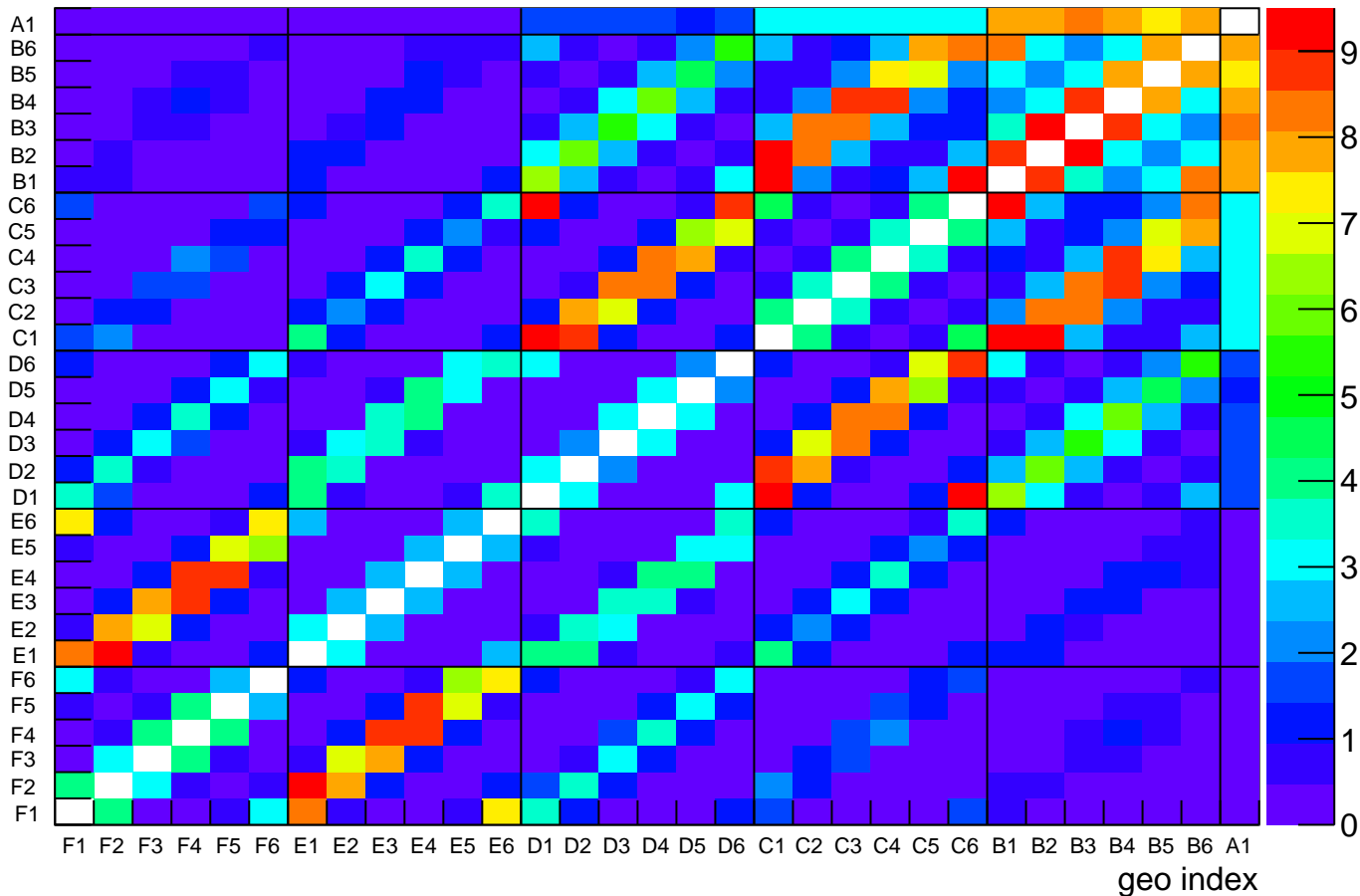


**DOM9 ToTs**  
**Red line at 25**



# DOM9 correlations (rate of correlated hits [Hz])

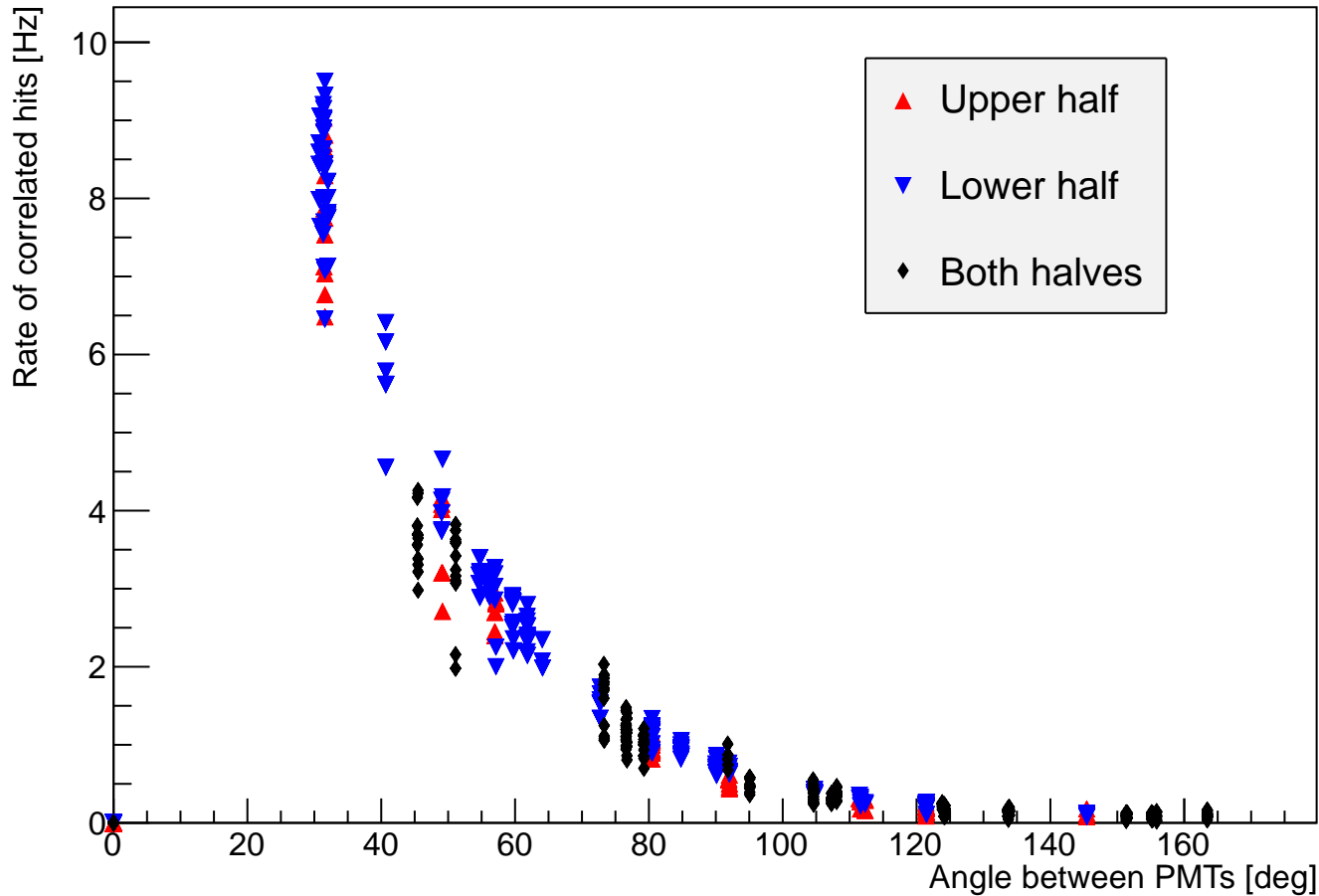
geo index



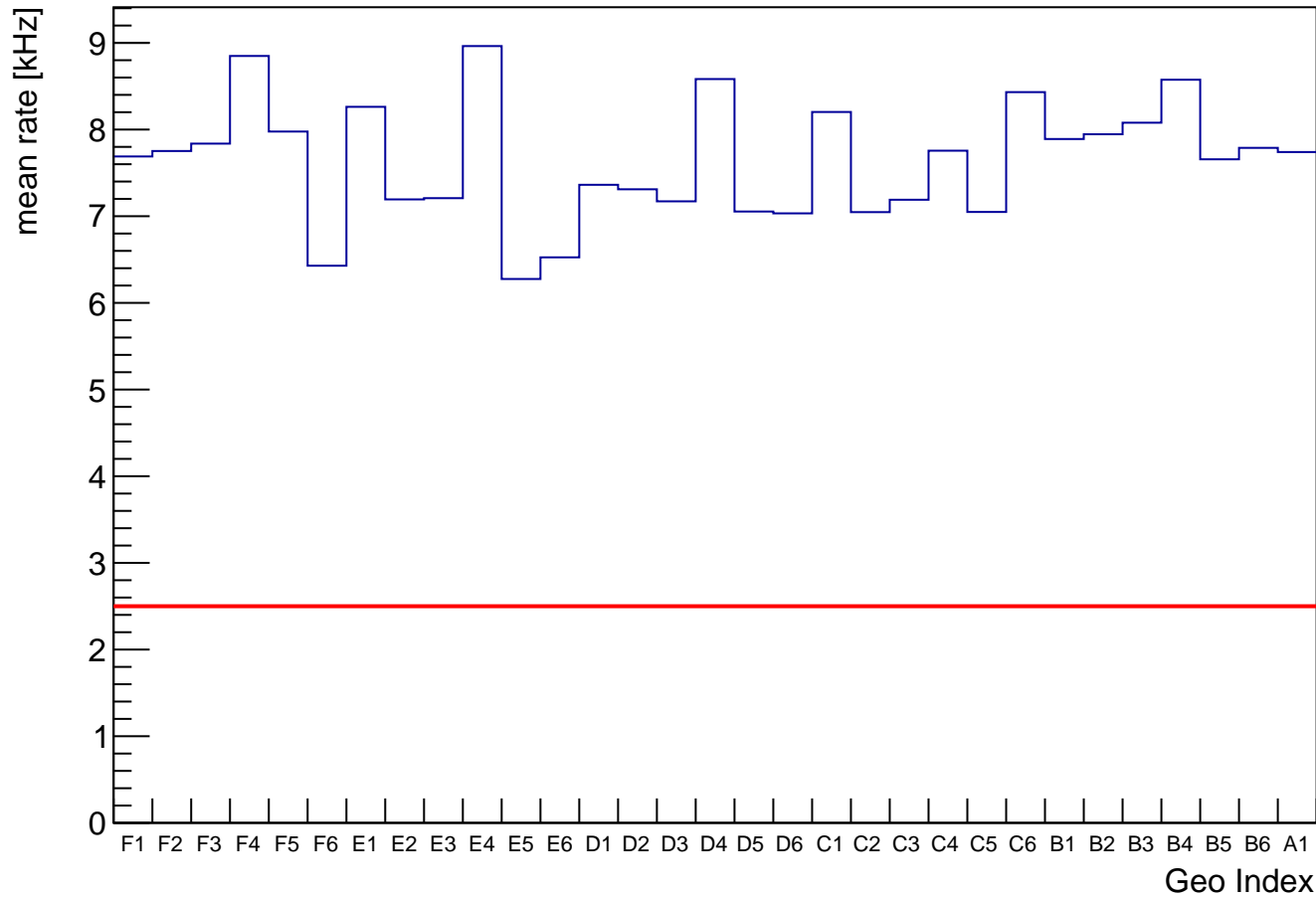
9  
8  
7  
6  
5  
4  
3  
2  
1  
0

geo index

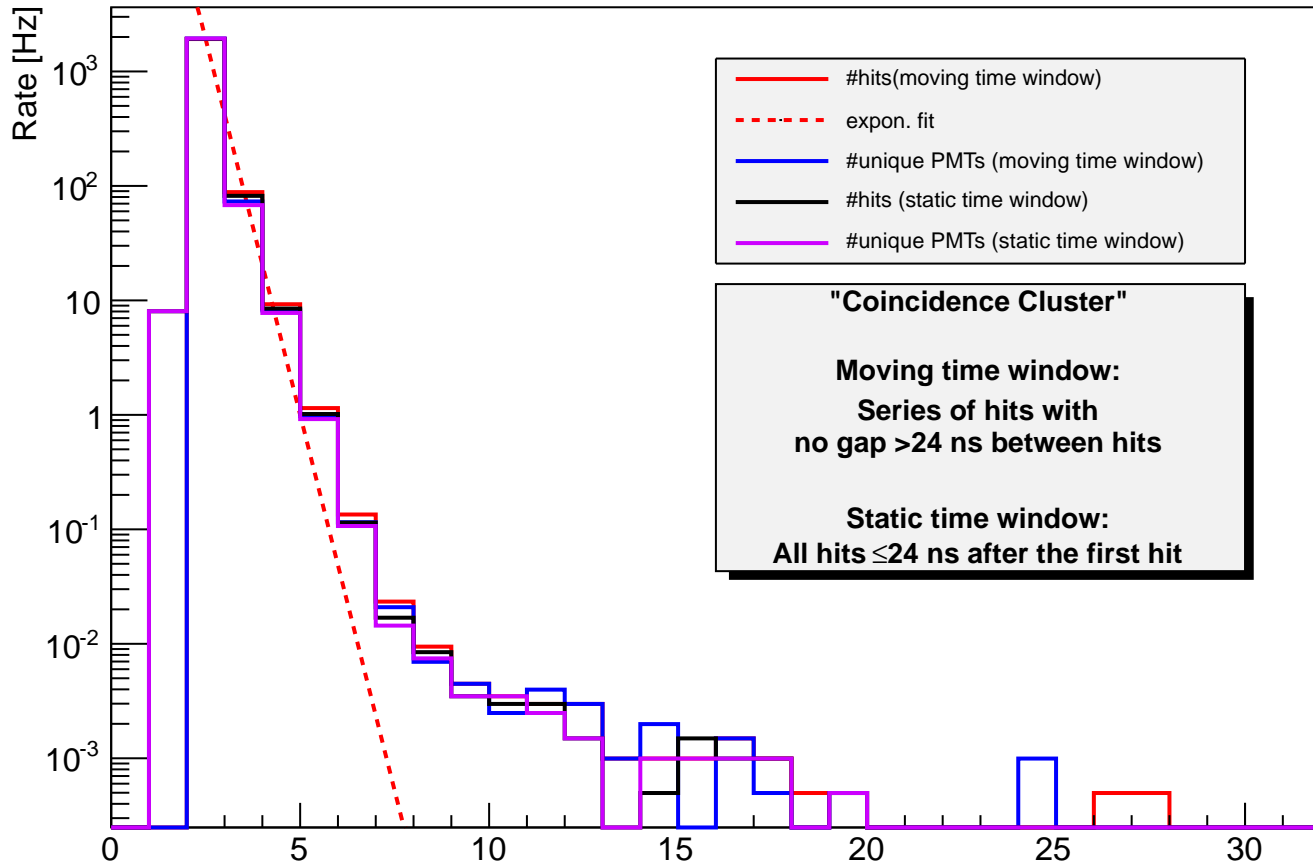
Correlation vs angle DOM9

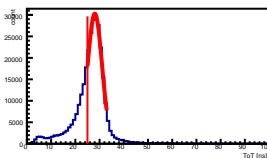
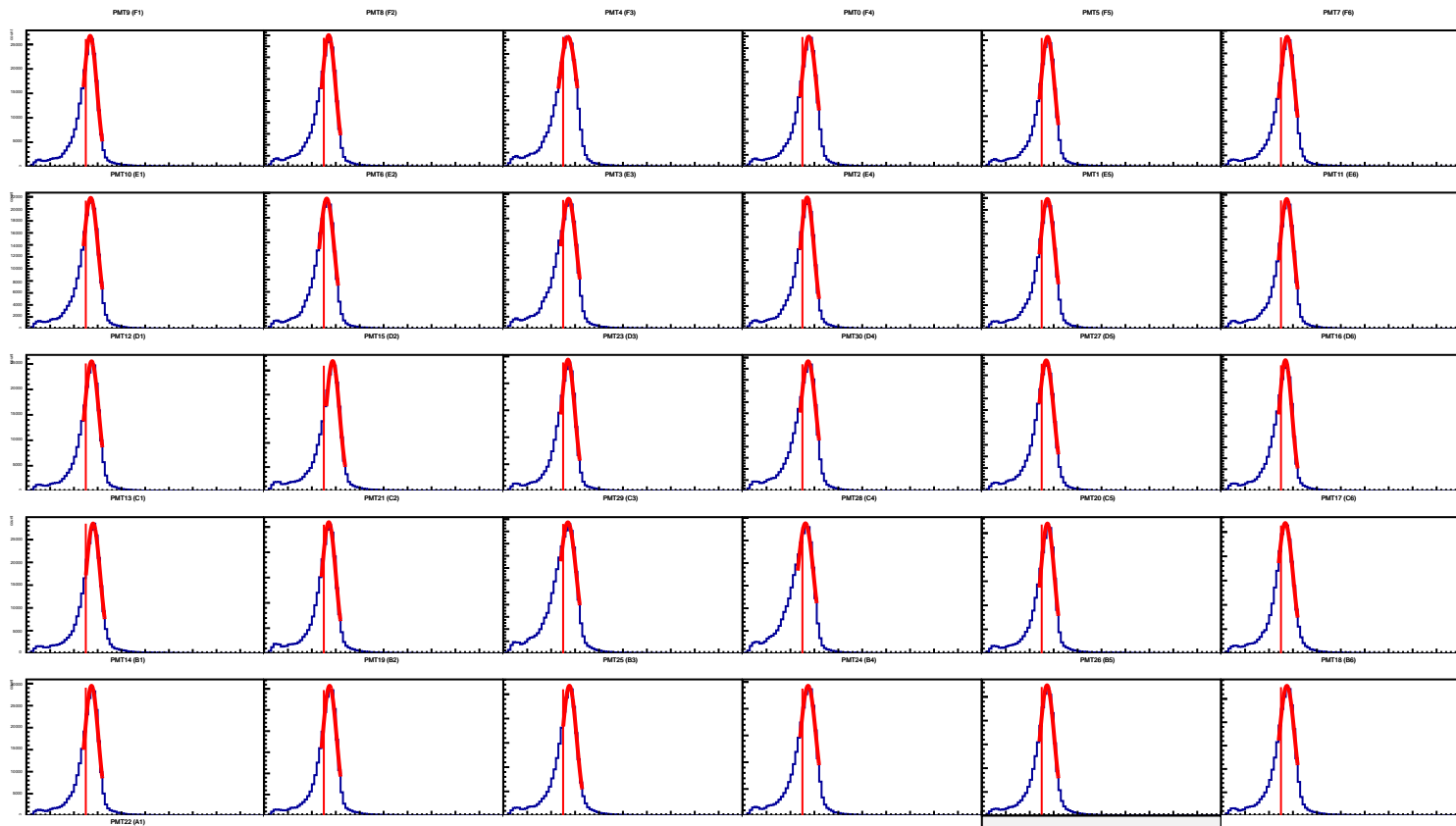


# Mean Rates DOM9



# Coincidence clusters DOM10



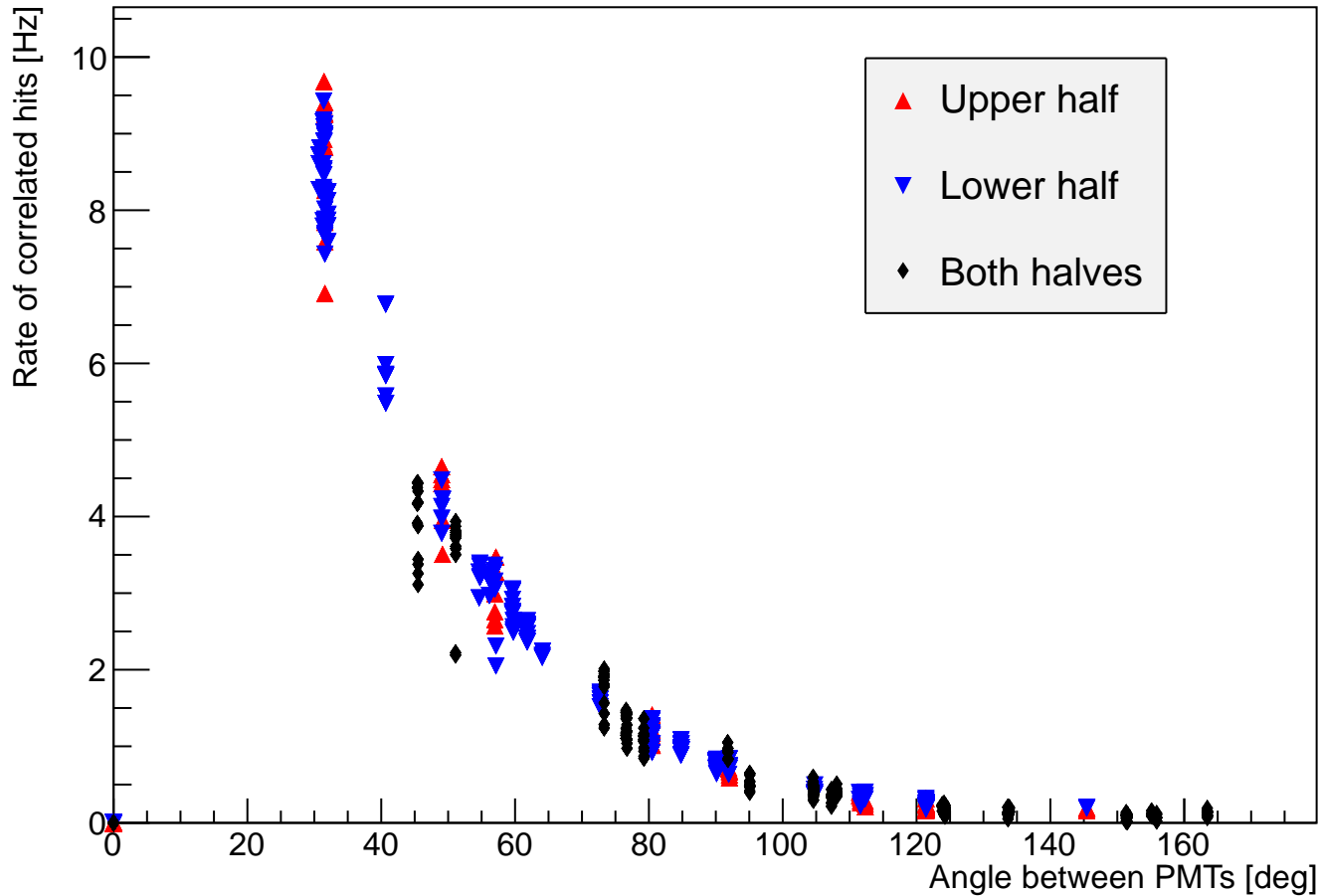


**DOM10 ToTs**

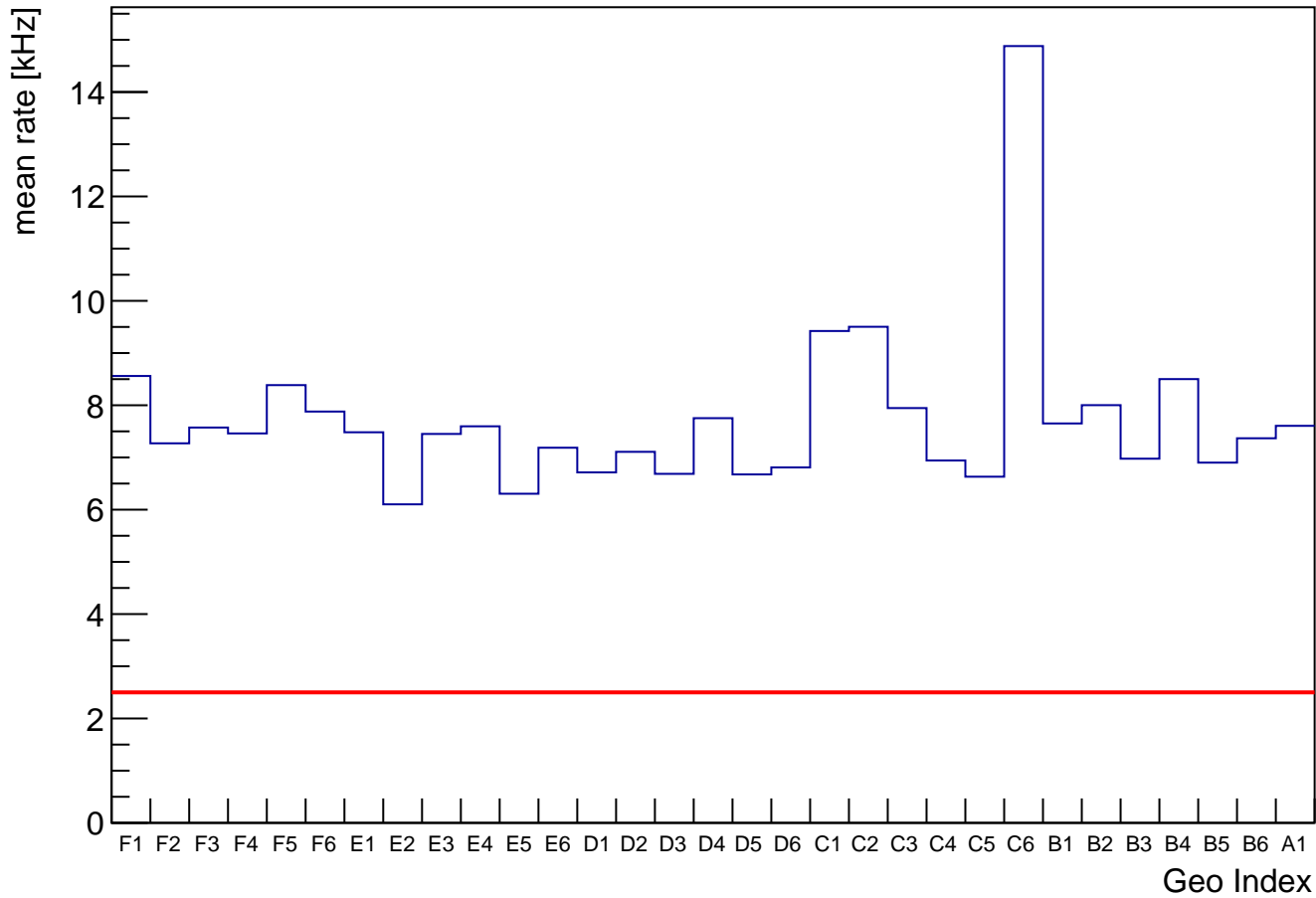
**Red line at 25**



Correlation vs angle DOM10

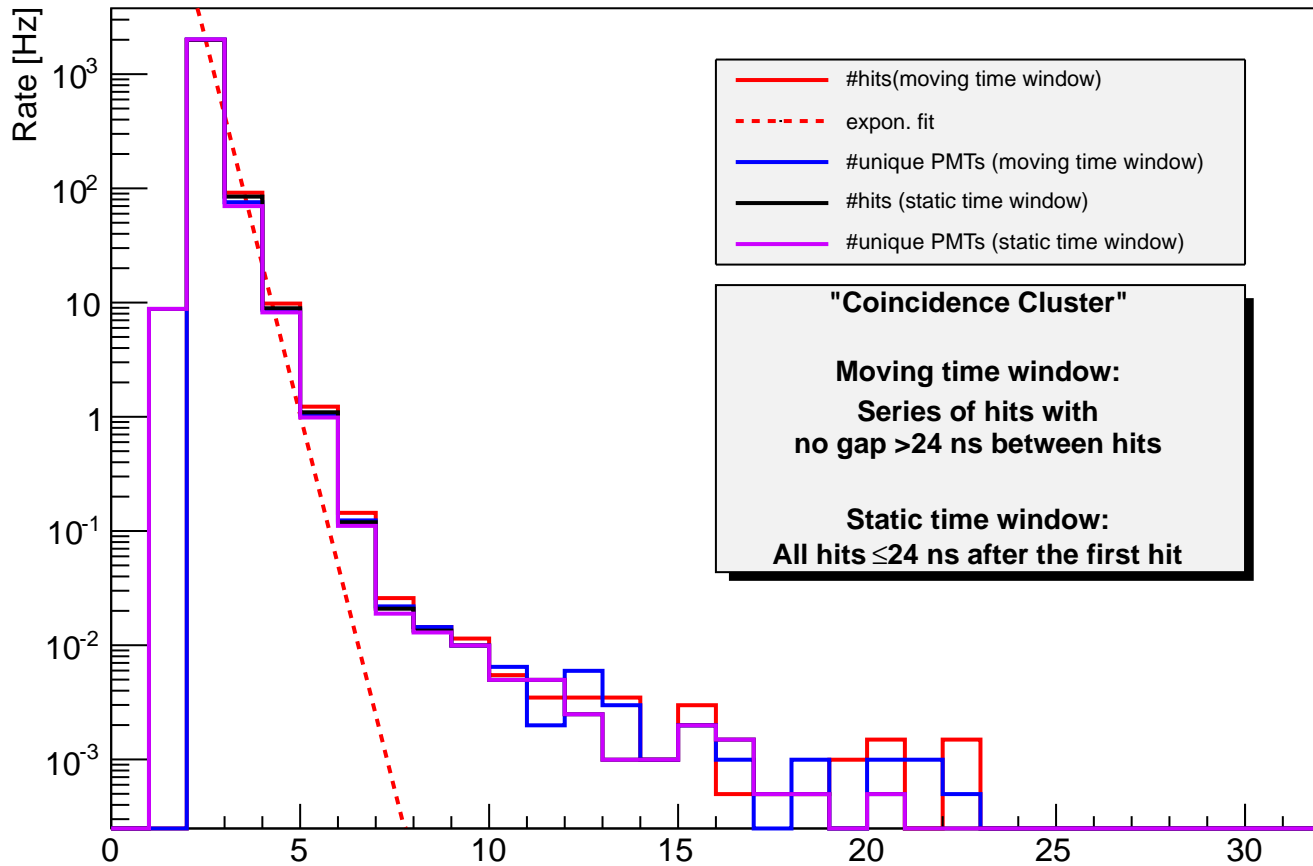


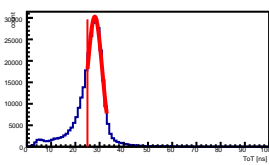
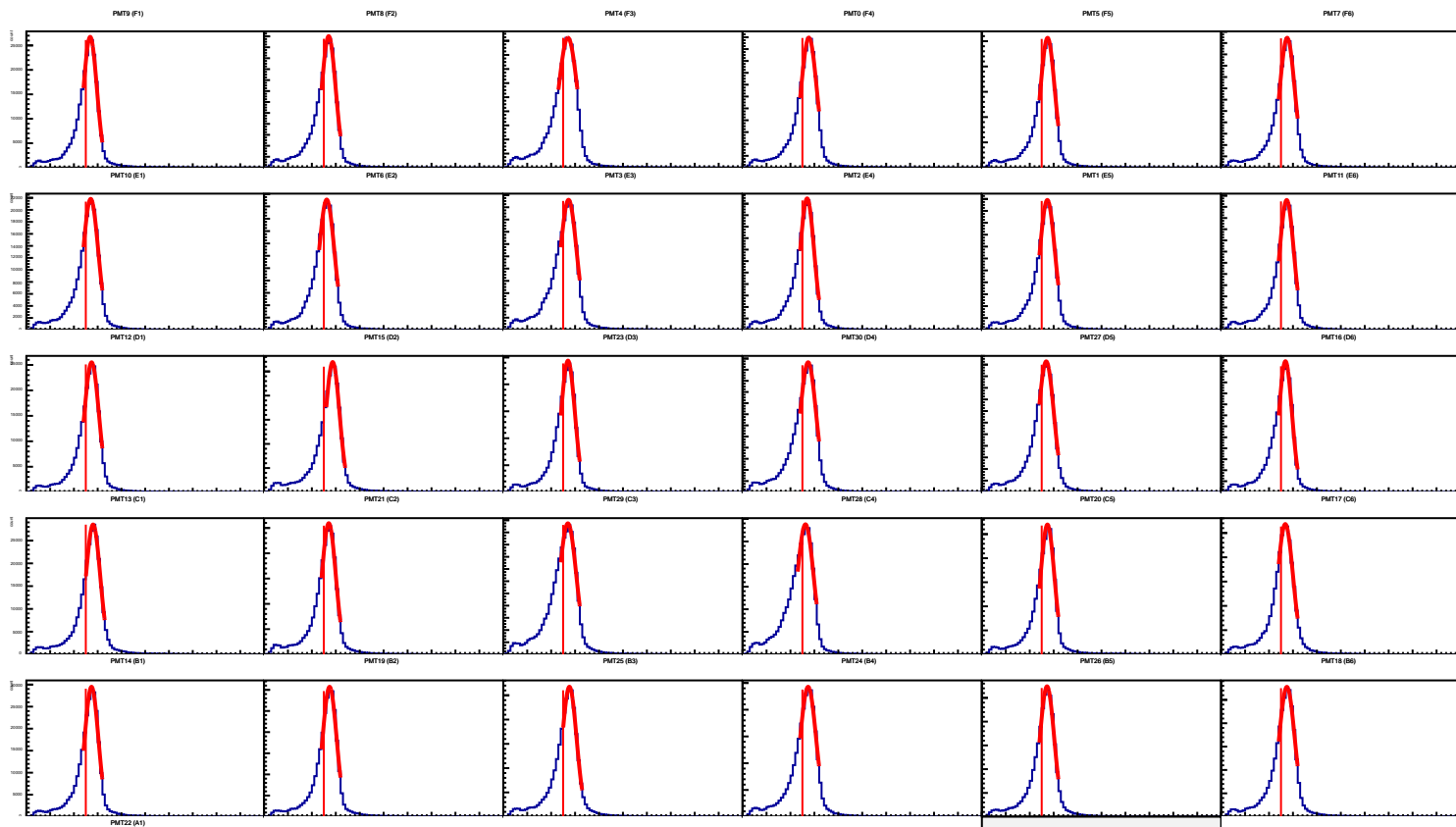
# Mean Rates DOM10





# Coincidence clusters DOM11

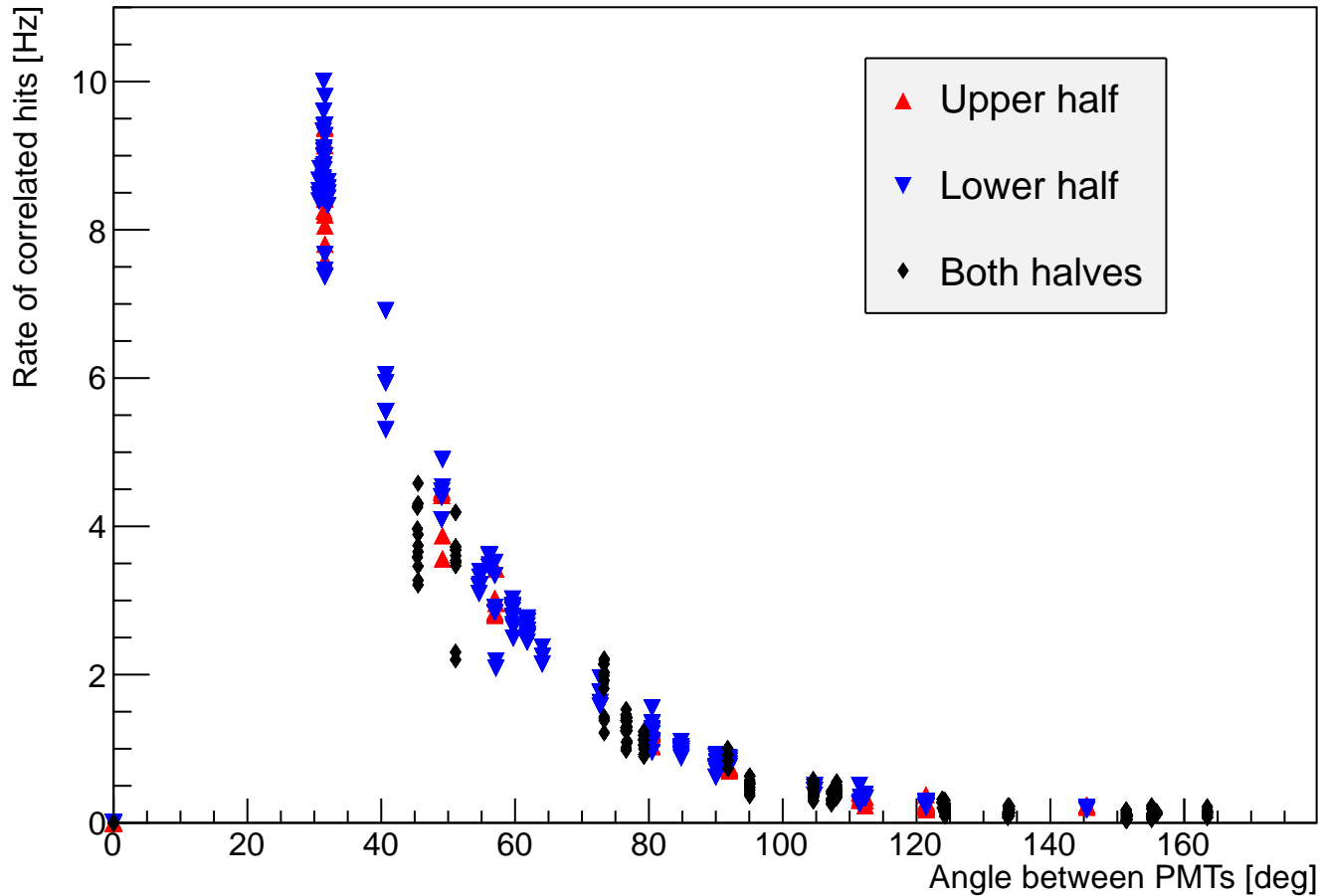




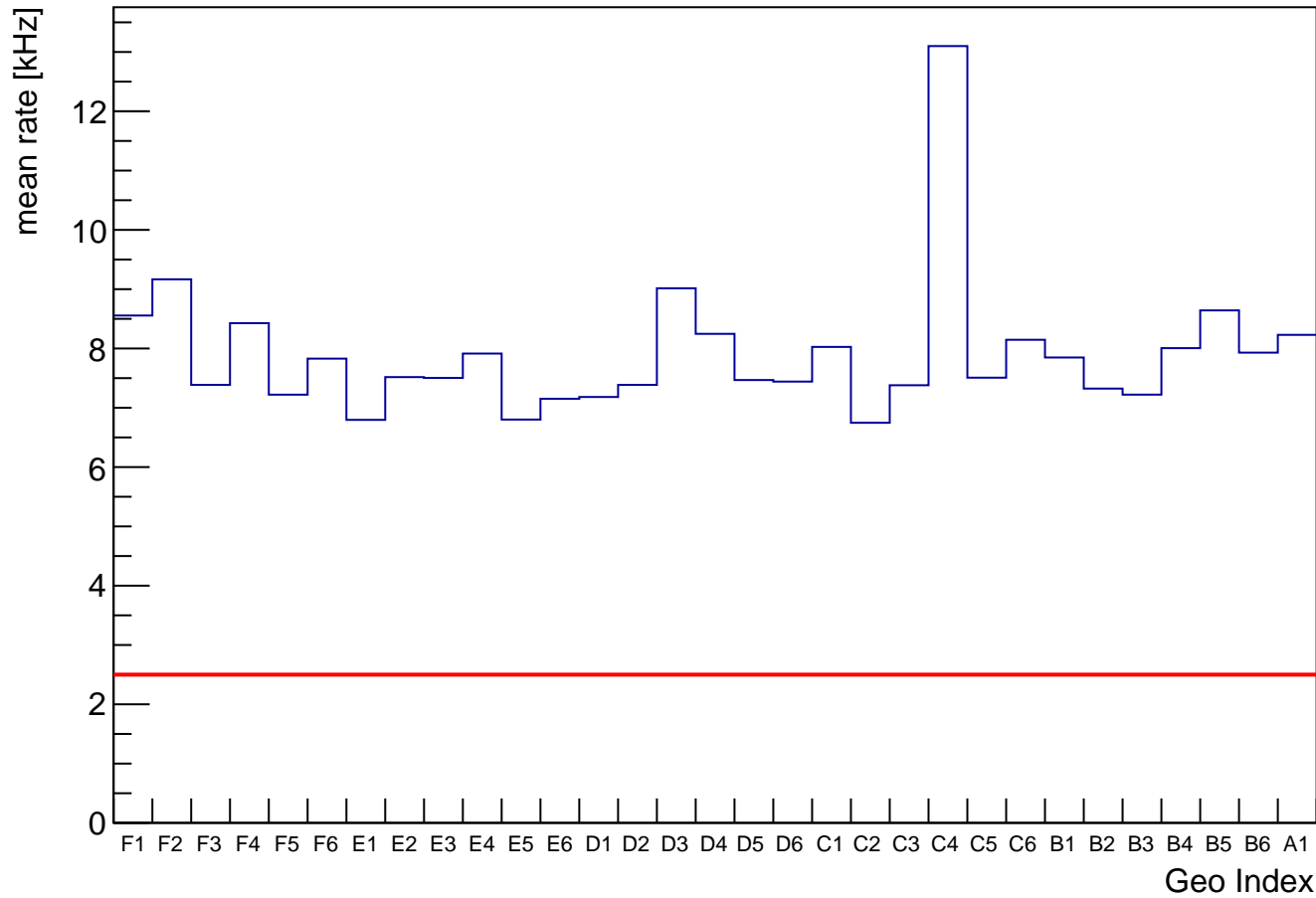
**DOM11 ToTs**  
**Red line at 25**



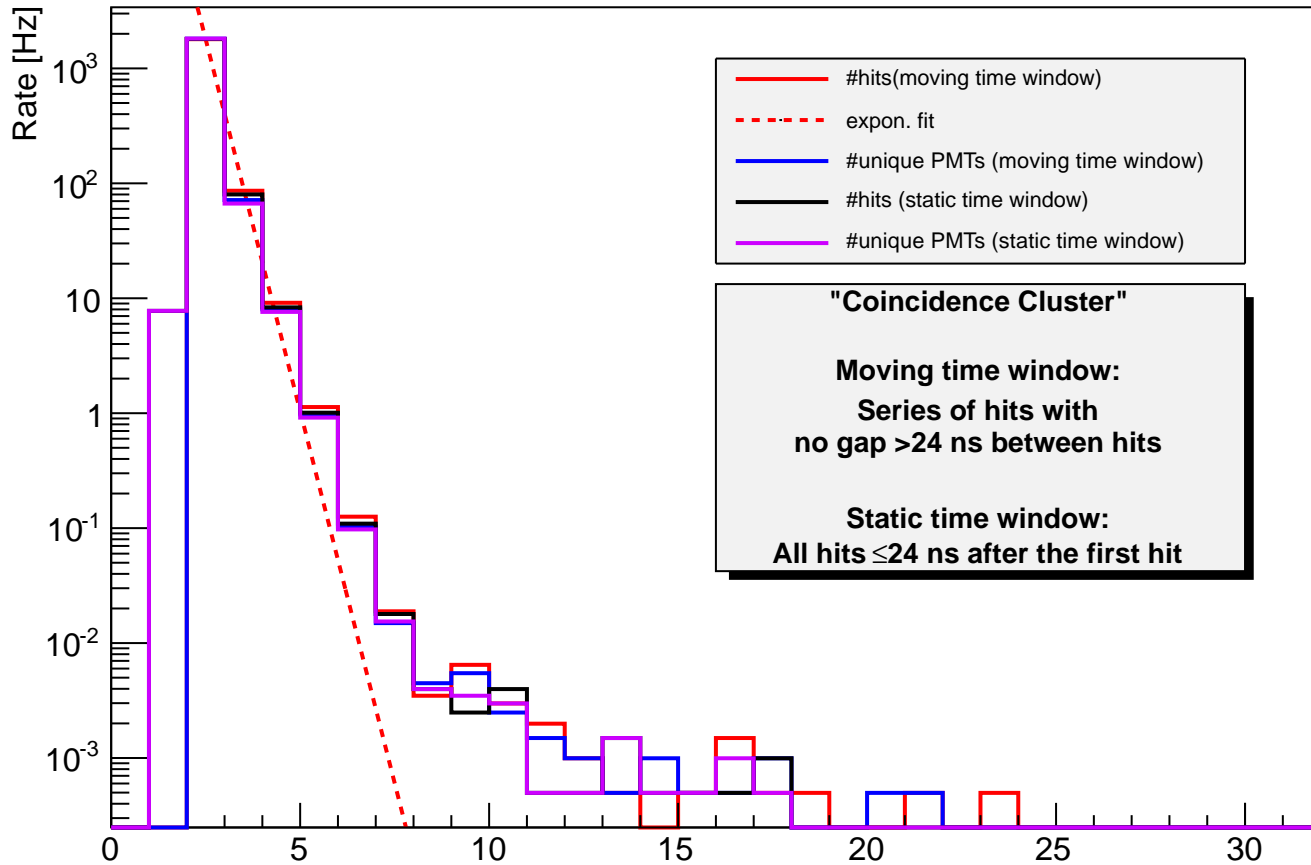
Correlation vs angle DOM11

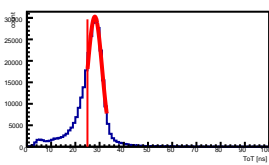
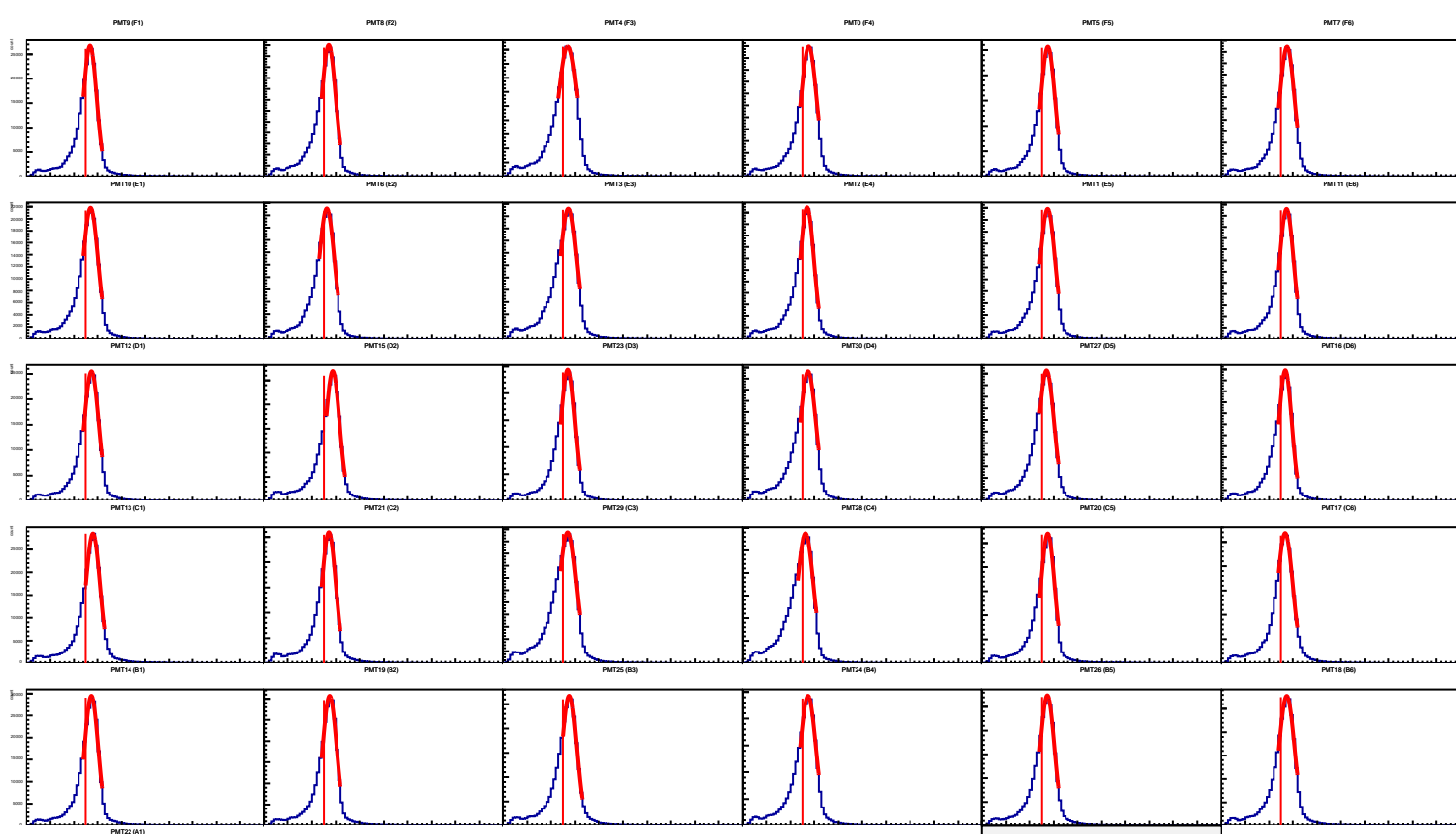


# Mean Rates DOM11



# Coincidence clusters DOM12





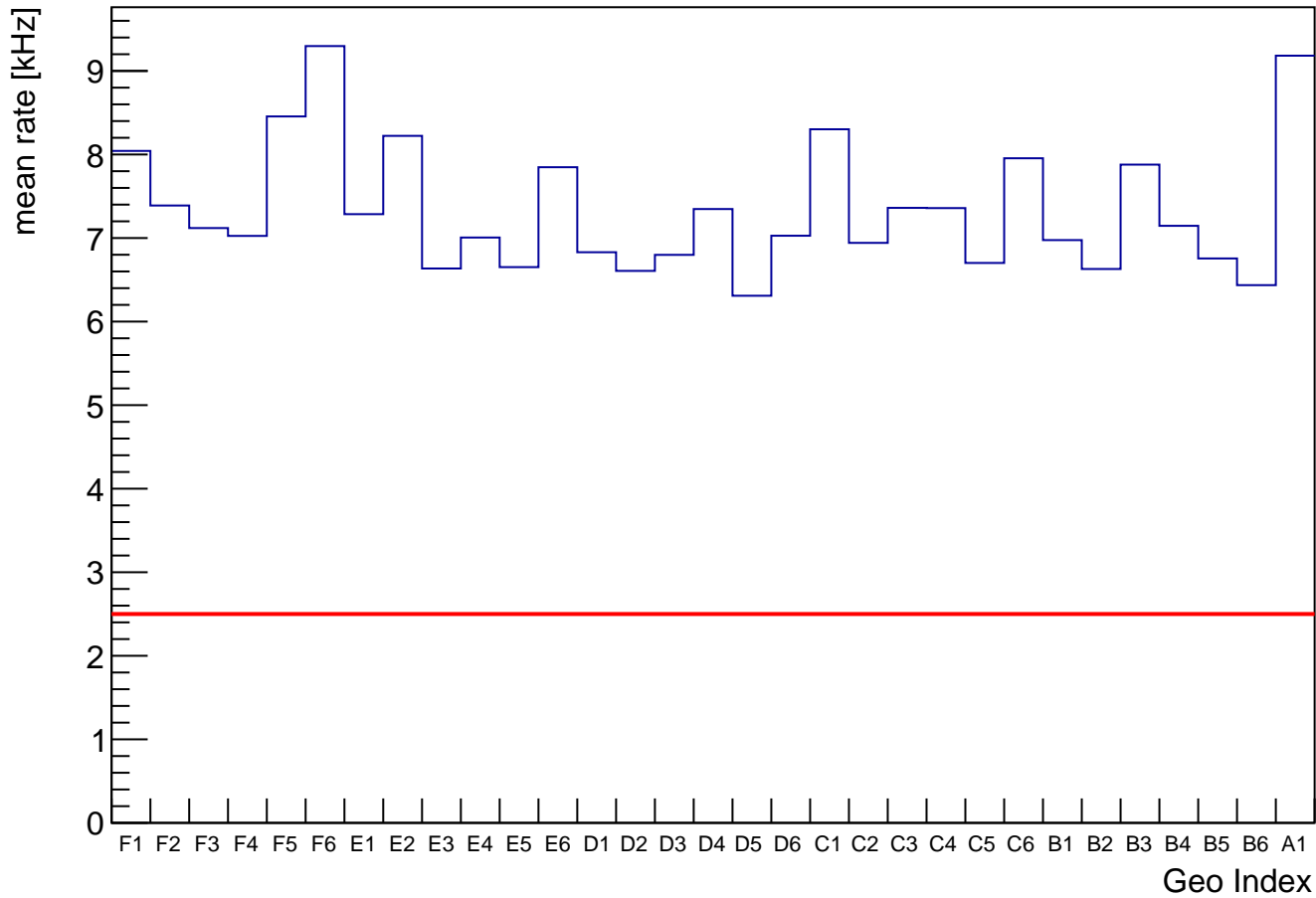
**DOM12 ToTs**  
**Red line at 25**



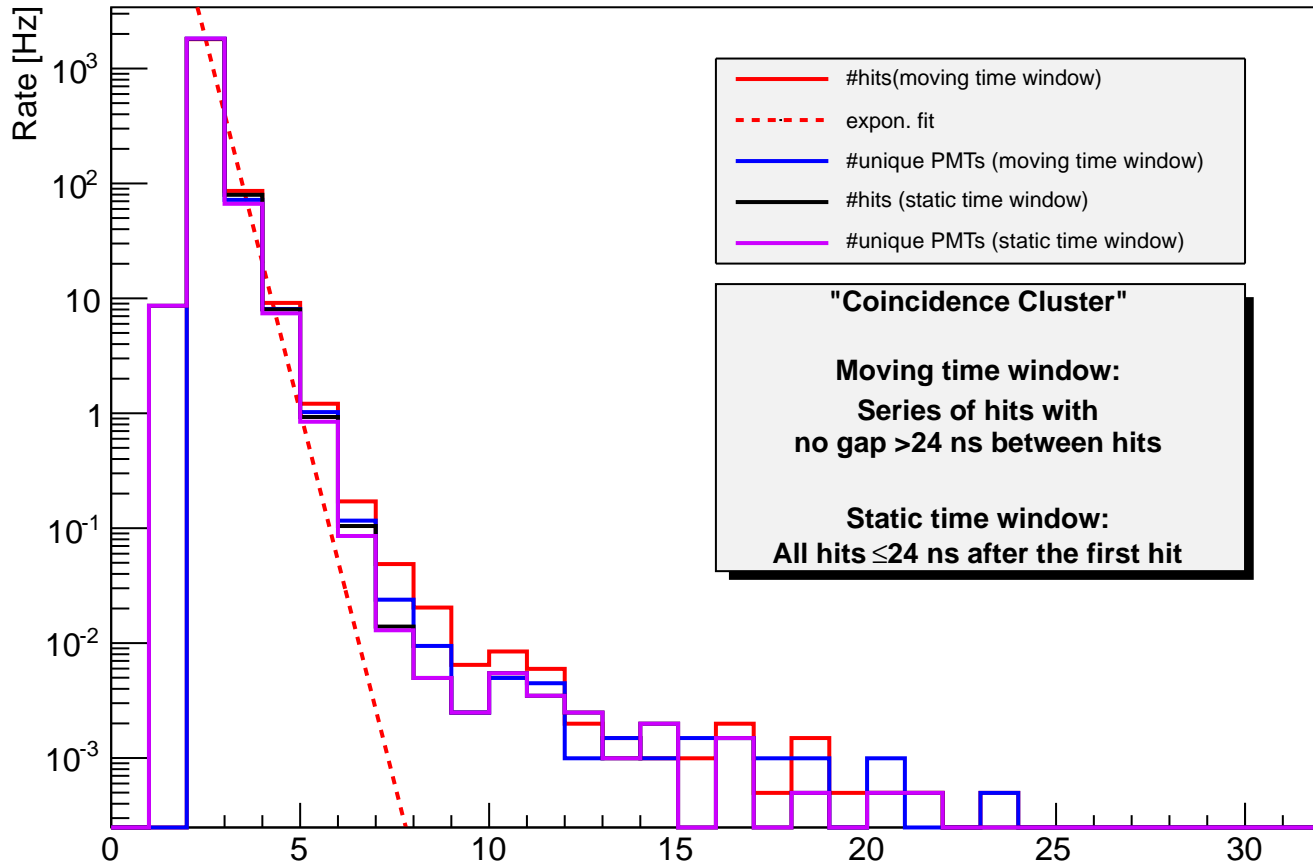


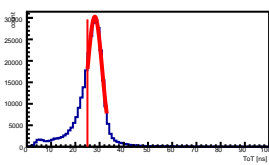
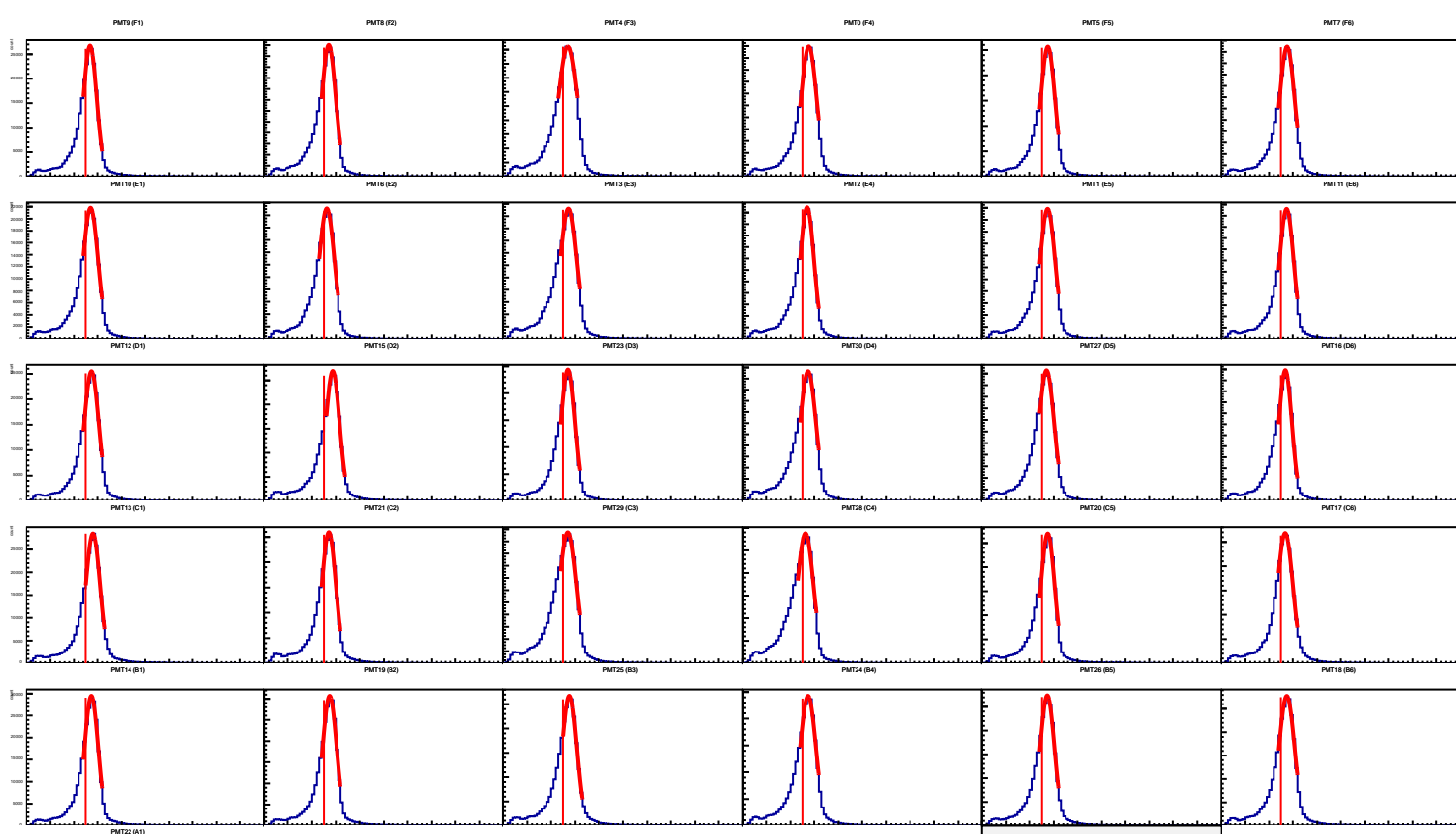


# Mean Rates DOM12



# Coincidence clusters DOM13

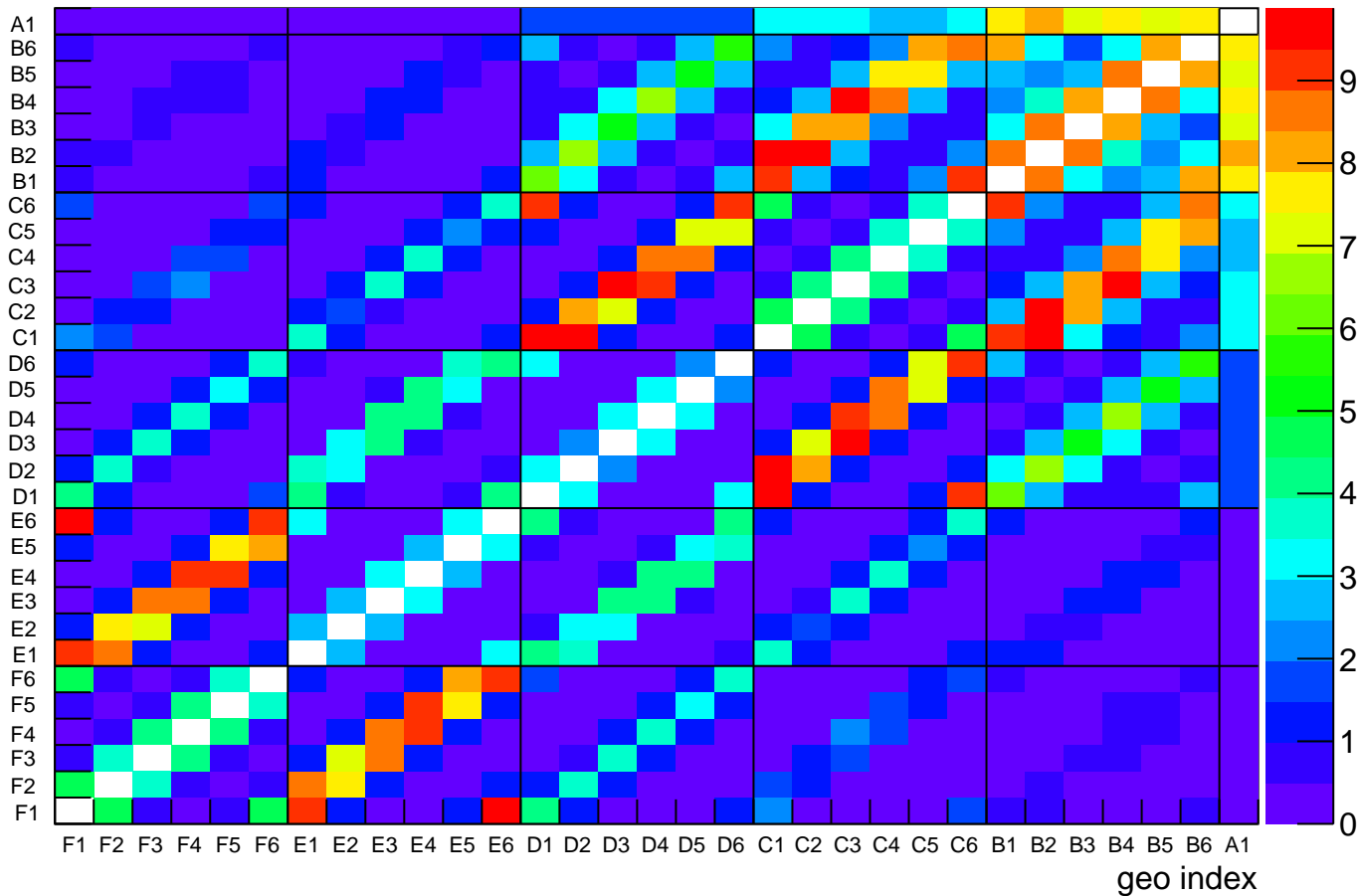




**DOM13 ToTs**  
**Red line at 25**

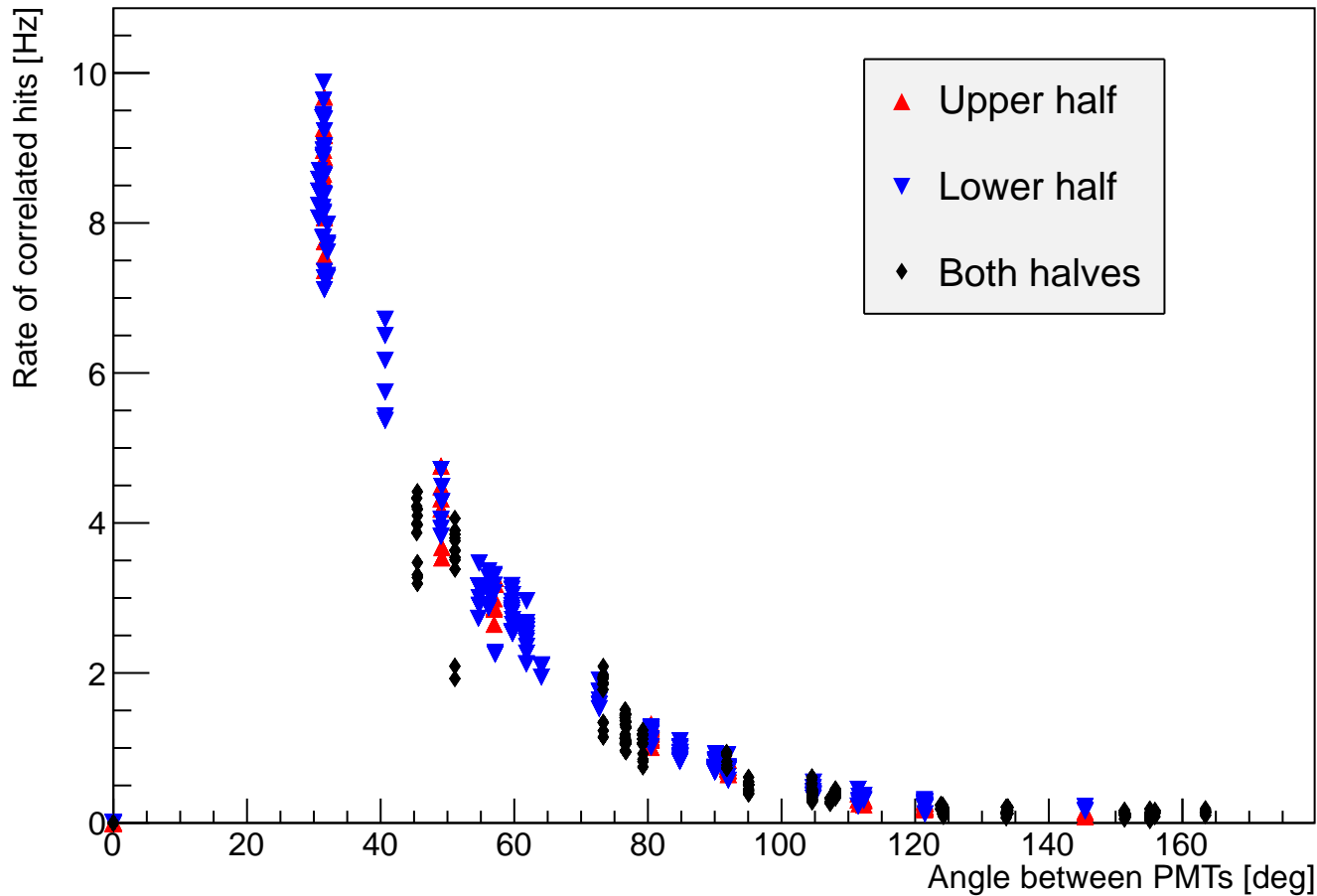
# DOM13 correlations (rate of correlated hits [Hz])

geo index

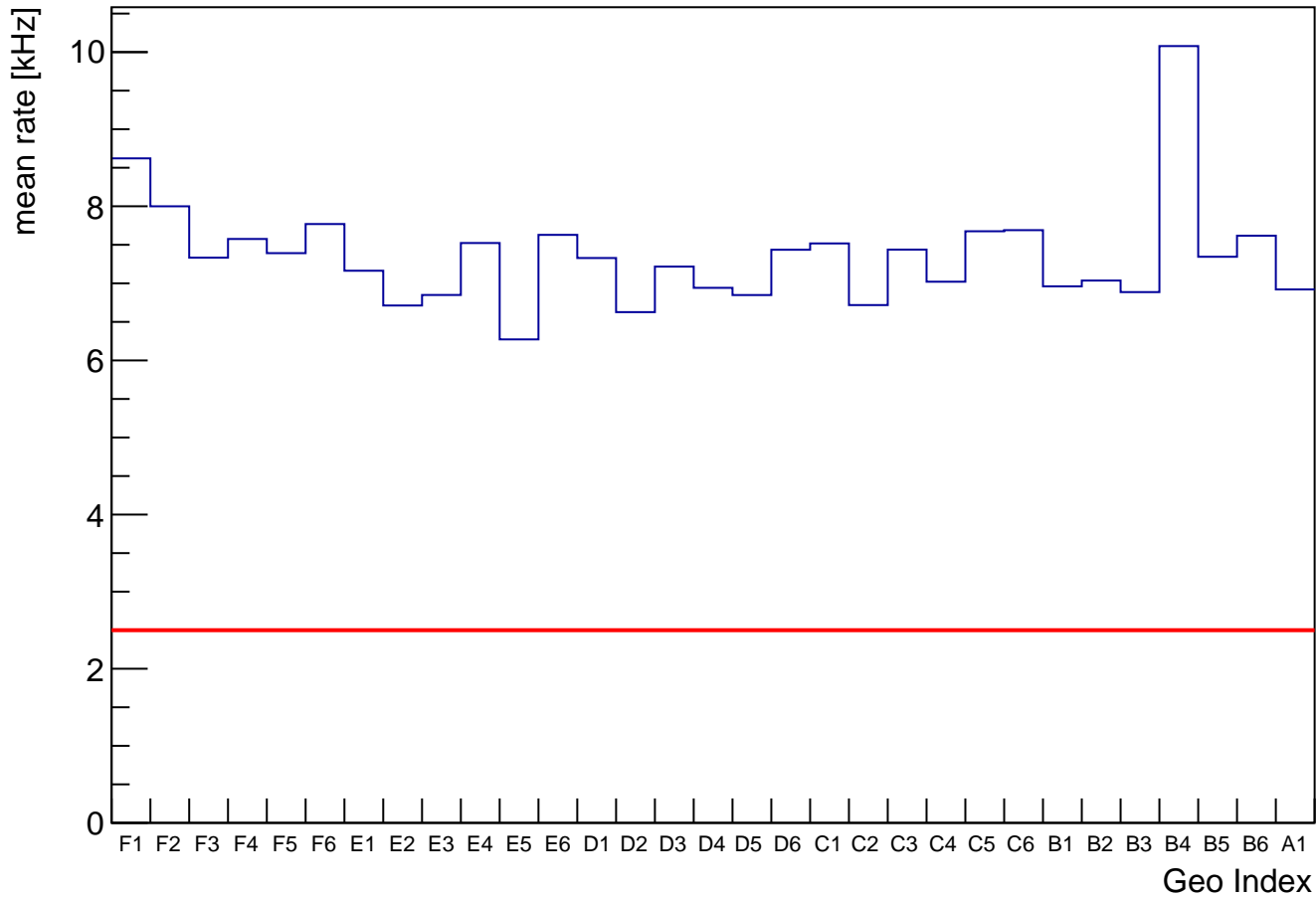


geo index

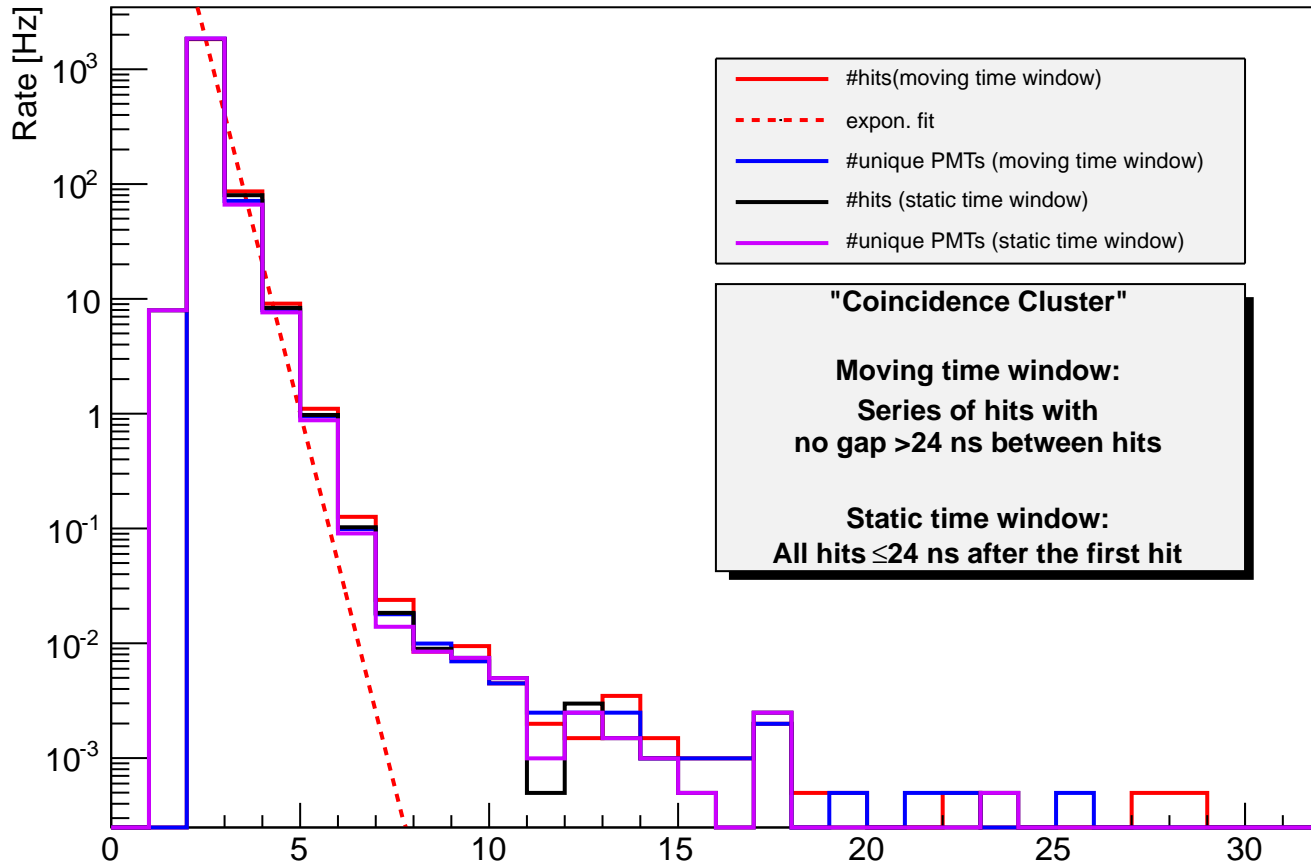
Correlation vs angle DOM13



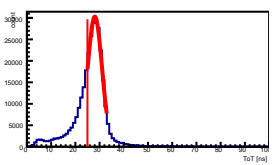
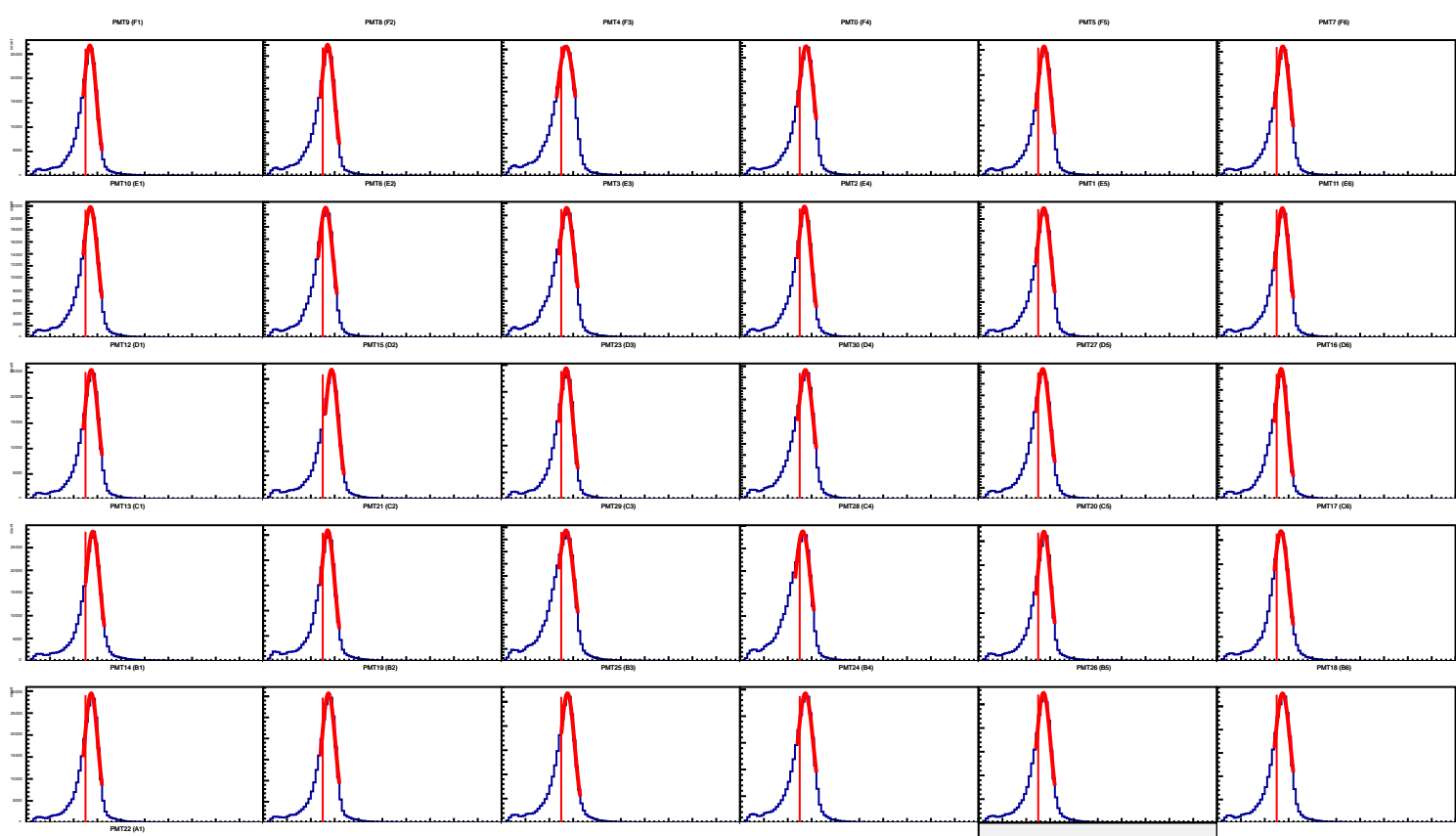
# Mean Rates DOM13



# Coincidence clusters DOM14



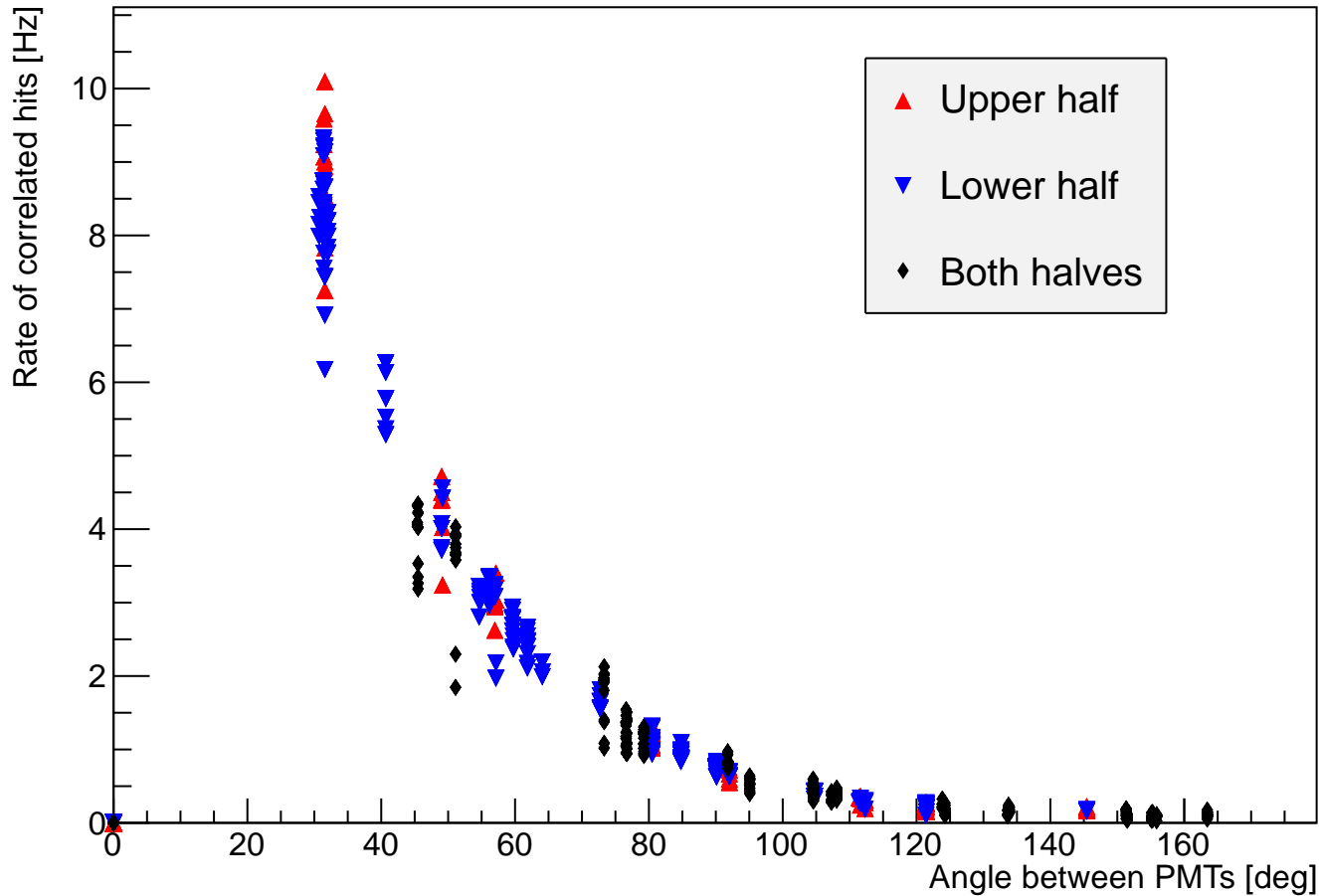




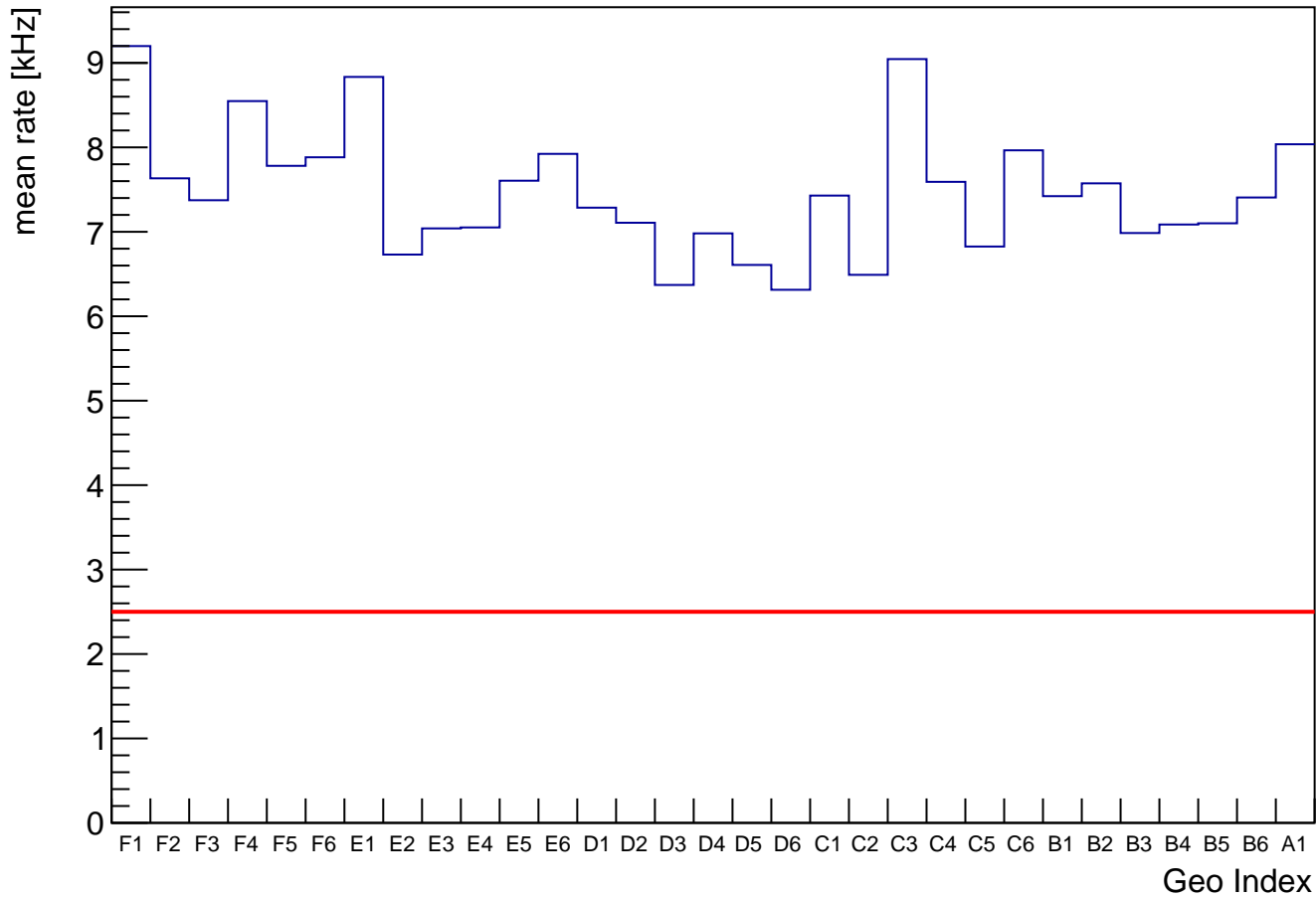
**DOM14 ToTs**  
**Red line at 25**



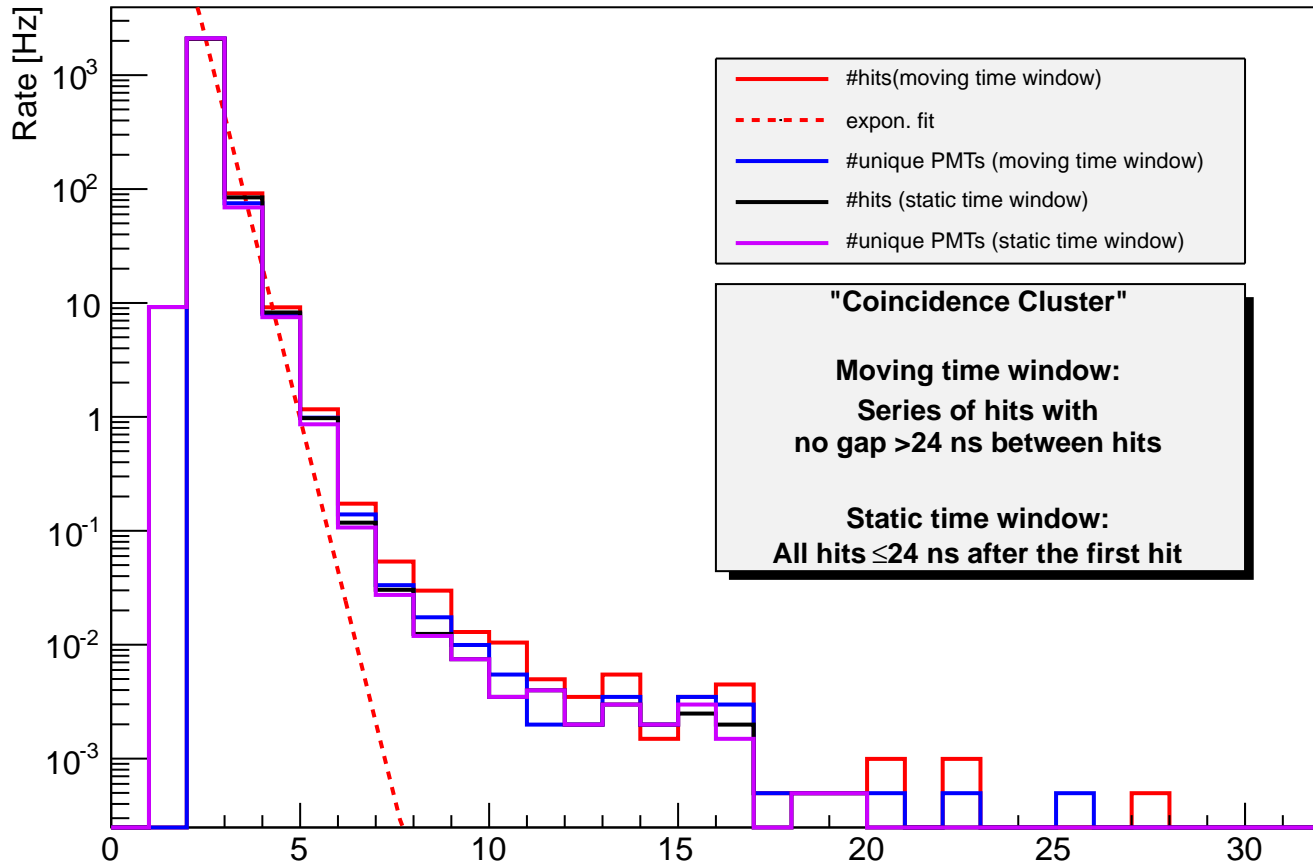
Correlation vs angle DOM14

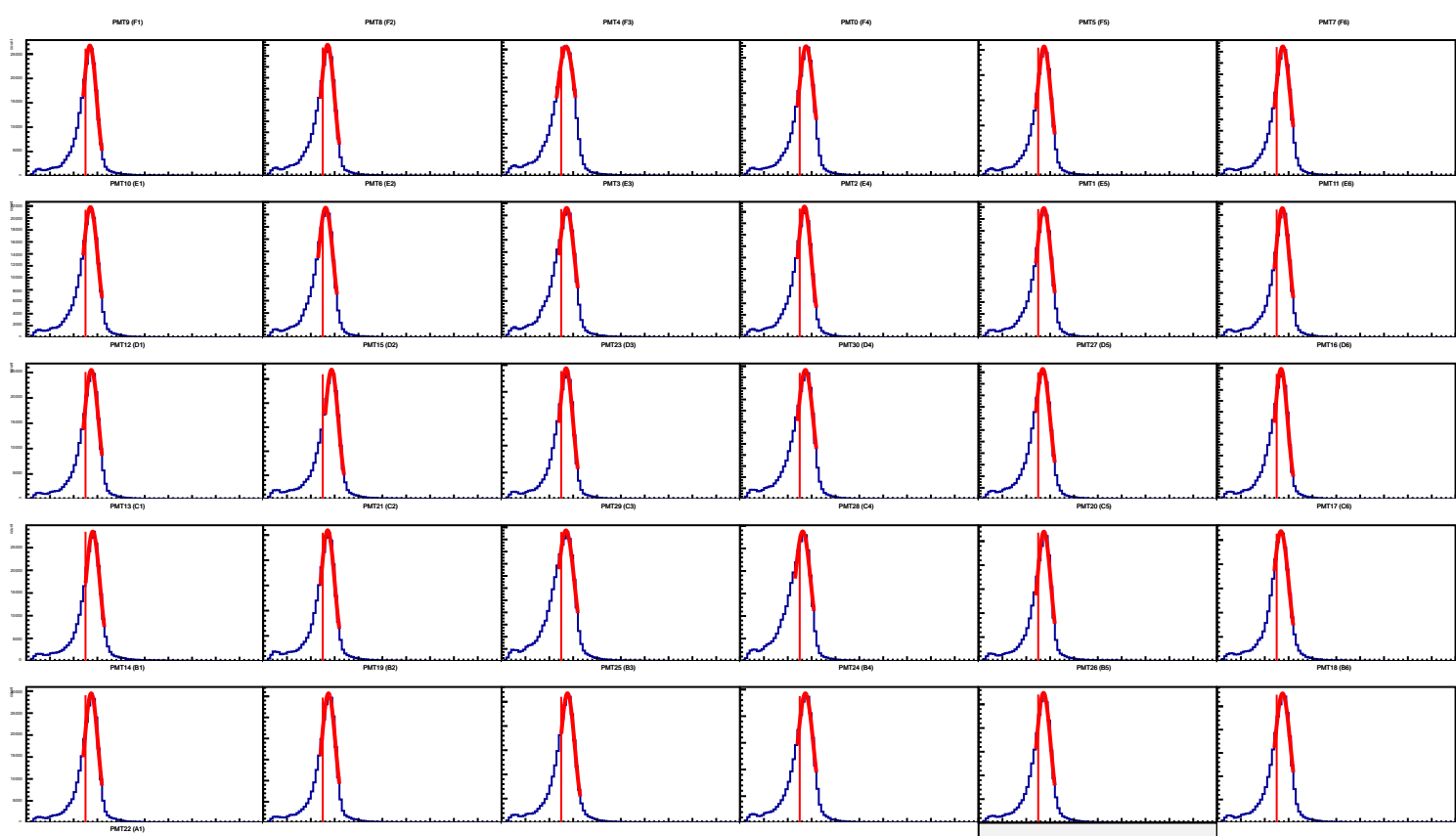


# Mean Rates DOM14

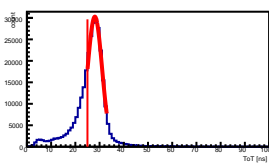


# Coincidence clusters DOM15



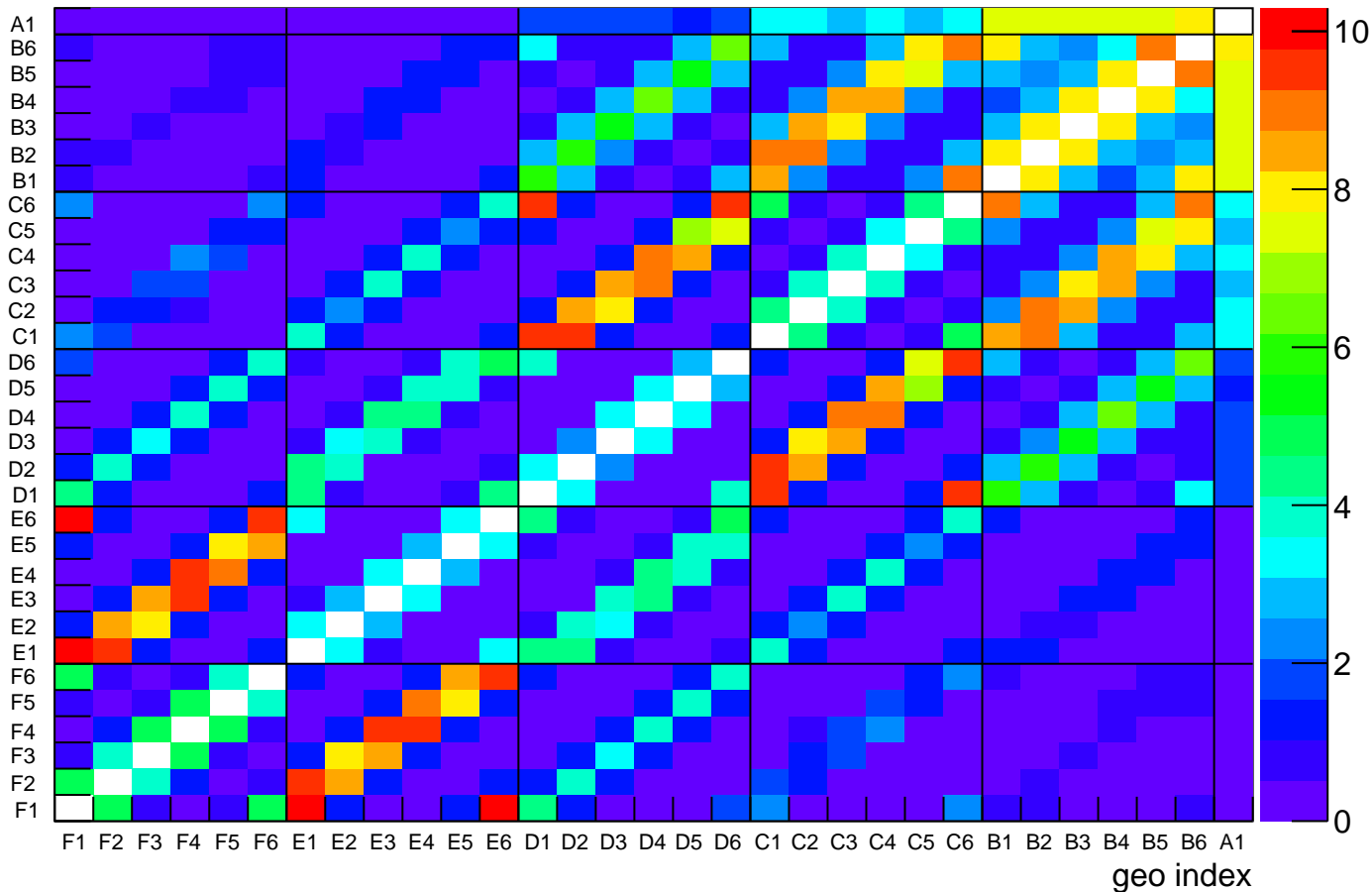


**DOM15 ToTs**  
**Red line at 25**



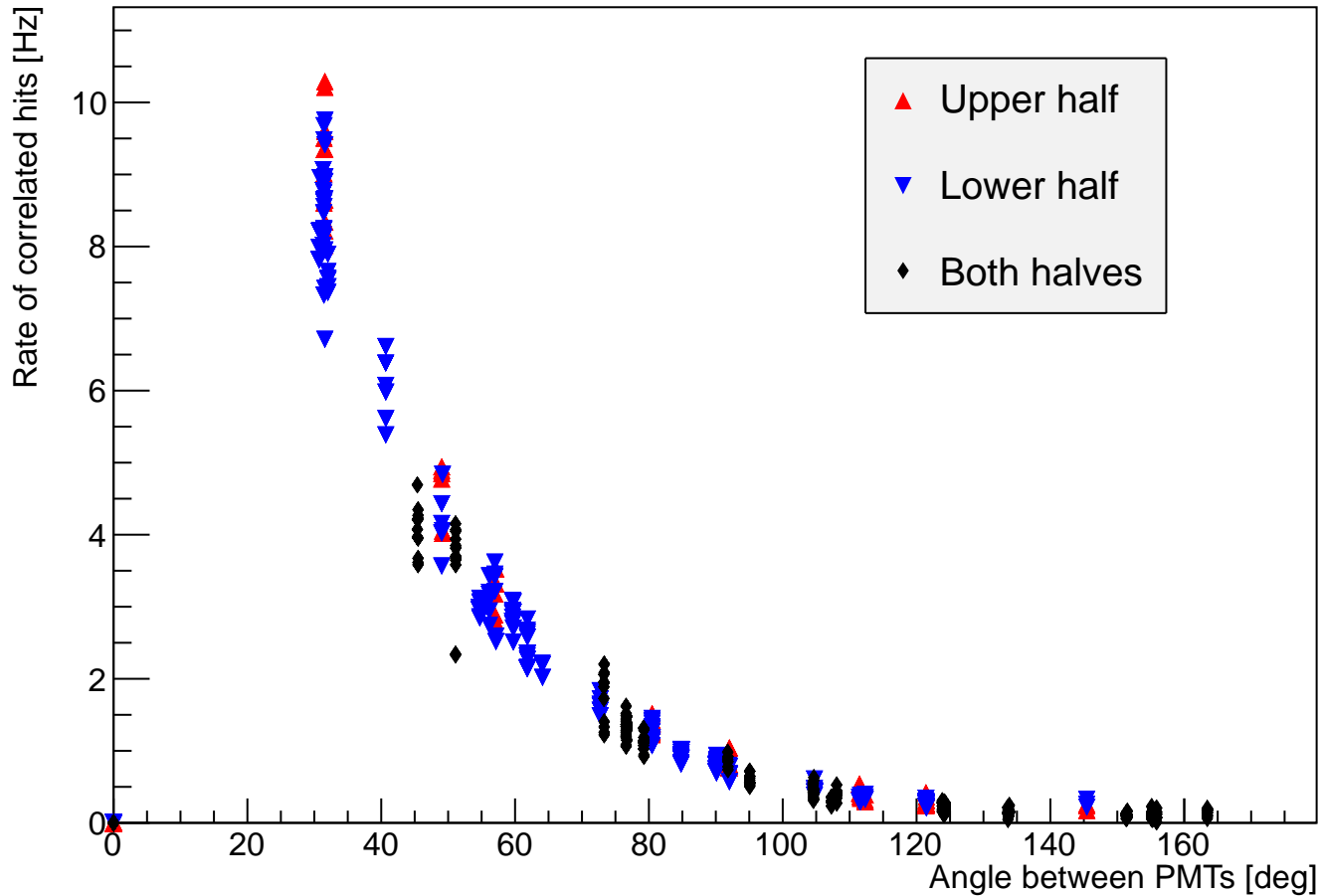
# DOM15 correlations (rate of correlated hits [Hz])

geo index



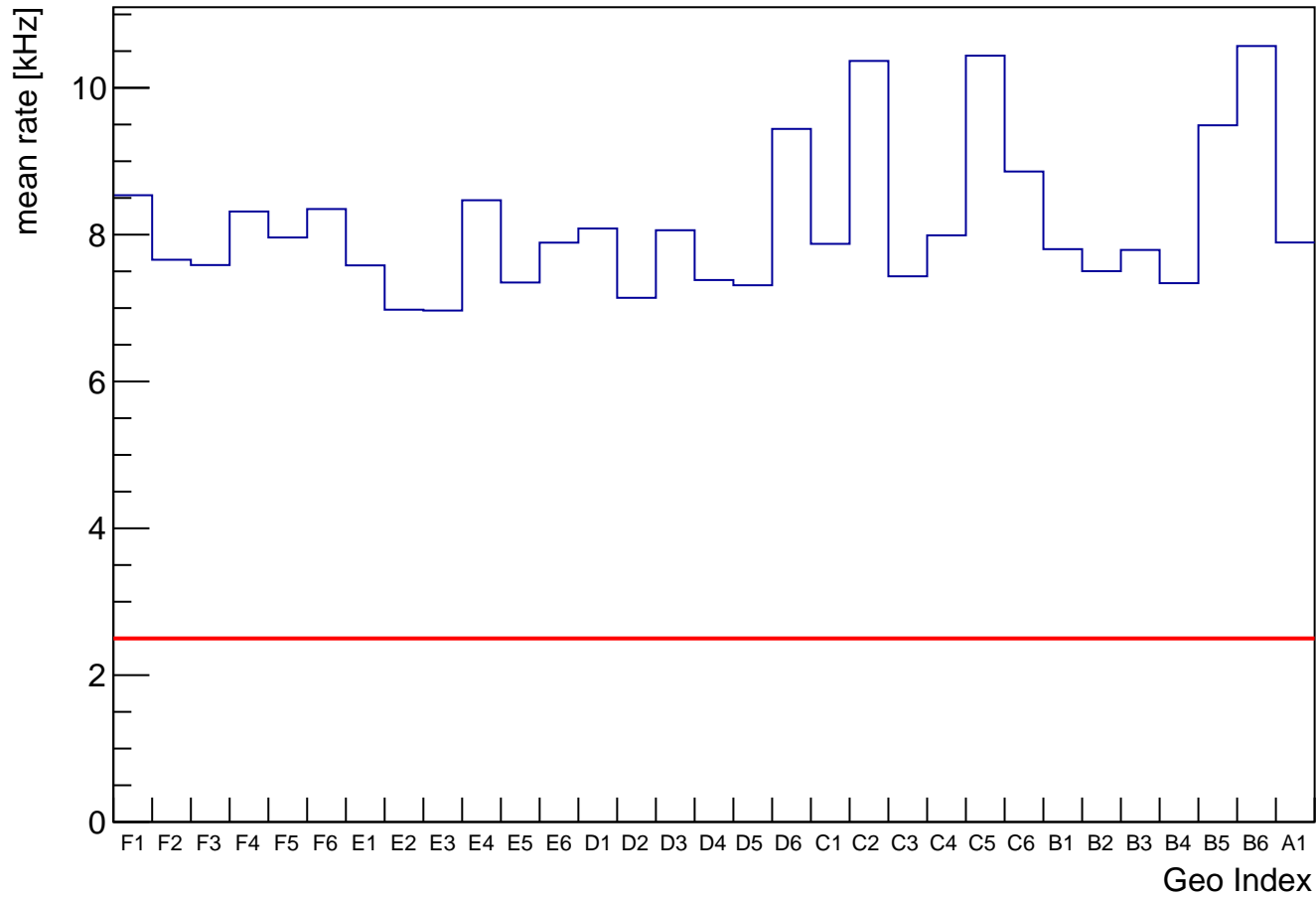
geo index

Correlation vs angle DOM15





# Mean Rates DOM15



DAQ index --> Geo Index	Geo index --> DAQ Index
0 = F4	F1 = 9
1 = E5	F2 = 8
2 = E4	F3 = 4
3 = E3	F4 = 0
4 = F3	F5 = 5
5 = F5	F6 = 7
6 = E2	E1 = 10
7 = F6	E2 = 6
8 = F2	E3 = 3
9 = F1	E4 = 2
10 = E1	E5 = 1
11 = E6	E6 = 11
12 = D1	D1 = 12
13 = C1	D2 = 15
14 = B1	D3 = 23
15 = D2	D4 = 30
16 = D6	D5 = 27
17 = C6	D6 = 16
18 = B6	C1 = 13
19 = B2	C2 = 21
20 = C5	C3 = 29
21 = C2	C4 = 28
22 = A1	C5 = 20
23 = D3	C6 = 17
24 = B4	B1 = 14
25 = B3	B2 = 19
26 = B5	B3 = 25
27 = D5	B4 = 24
28 = C4	B5 = 26
29 = C3	B6 = 18
30 = D4	A1 = 22

PMT orientation
F1: $\cos(\theta) = 0.6, \phi = 0$
F2: $\cos(\theta) = 0.6, \phi = 60$
F3: $\cos(\theta) = 0.6, \phi = 120$
F4: $\cos(\theta) = 0.6, \phi = 180$
F5: $\cos(\theta) = 0.6, \phi = -120$
F6: $\cos(\theta) = 0.6, \phi = -60$
E1: $\cos(\theta) = 0.3, \phi = 30$
E2: $\cos(\theta) = 0.3, \phi = 90$
E3: $\cos(\theta) = 0.3, \phi = 150$
E4: $\cos(\theta) = 0.3, \phi = -150$
E5: $\cos(\theta) = 0.3, \phi = -90$
E6: $\cos(\theta) = 0.3, \phi = -30$
D1: $\cos(\theta) = -0.3, \phi = 0$
D2: $\cos(\theta) = -0.3, \phi = 60$
D3: $\cos(\theta) = -0.3, \phi = 120$
D4: $\cos(\theta) = -0.3, \phi = 180$
D5: $\cos(\theta) = -0.3, \phi = -120$
D6: $\cos(\theta) = -0.3, \phi = -60$
C1: $\cos(\theta) = -0.6, \phi = 30$
C2: $\cos(\theta) = -0.6, \phi = 90$
C3: $\cos(\theta) = -0.6, \phi = 150$
C4: $\cos(\theta) = -0.6, \phi = -150$
C5: $\cos(\theta) = -0.6, \phi = -90$
C6: $\cos(\theta) = -0.6, \phi = -30$
B1: $\cos(\theta) = -0.8, \phi = 0$
B2: $\cos(\theta) = -0.8, \phi = 60$
B3: $\cos(\theta) = -0.8, \phi = 120$
B4: $\cos(\theta) = -0.8, \phi = 180$
B5: $\cos(\theta) = -0.8, \phi = -120$
B6: $\cos(\theta) = -0.8, \phi = -60$
A1: $\cos(\theta) = -1.0, \phi = 0$