

Weekly Meeting

22/01/2020

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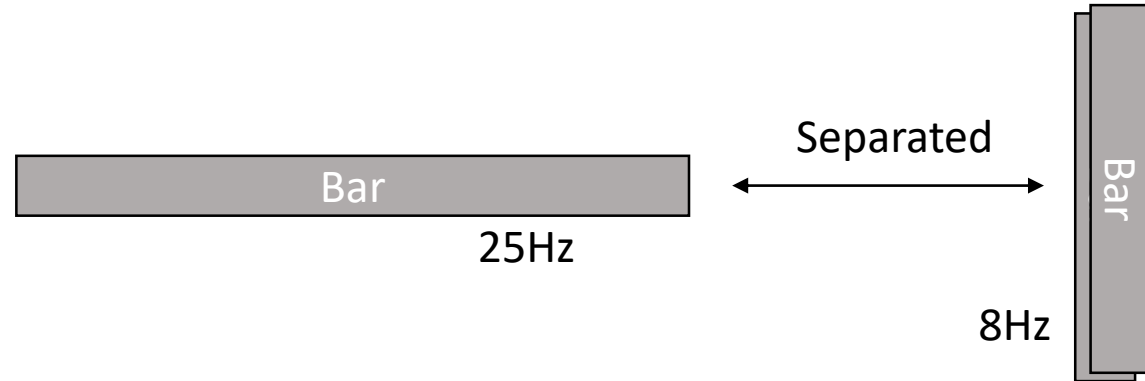
Random Coincidence

Previous slide

```
***** DAQ Summary *****
Run number : 0
Start Time : 2020-01-15 10:48:19
End Time : 2020-01-15 13:48:52

Total number of event : 100
Live time : 10816.6 [s]
Trigger rate : 0.0 [Hz]

Received data size : 0.00 GBytes ( 0.00 MB/sec)
Written data size : 0.00 GBytes ( 0.00 MB/sec)
*****
```



- 25Hz, 8Hz : 100 events / 10816 sec $\sim 10^{-2}$ Hz
- 25Hz, 20Hz : 40 events / 1636 sec $\sim 2.5 \times 10^{-2}$ Hz

```
***** DAQ Summary *****
Run number : 0
Start Time : 2020-01-15 14:58:07
End Time : 2020-01-15 15:28:06

Total number of event : 40
Live time : 1636.4 [s]
Trigger rate : 0.0 [Hz]

Received data size : 0.00 GBytes ( 0.00 MB/sec)
Written data size : 0.00 GBytes ( 0.00 MB/sec)
*****
```

Random Coincidence

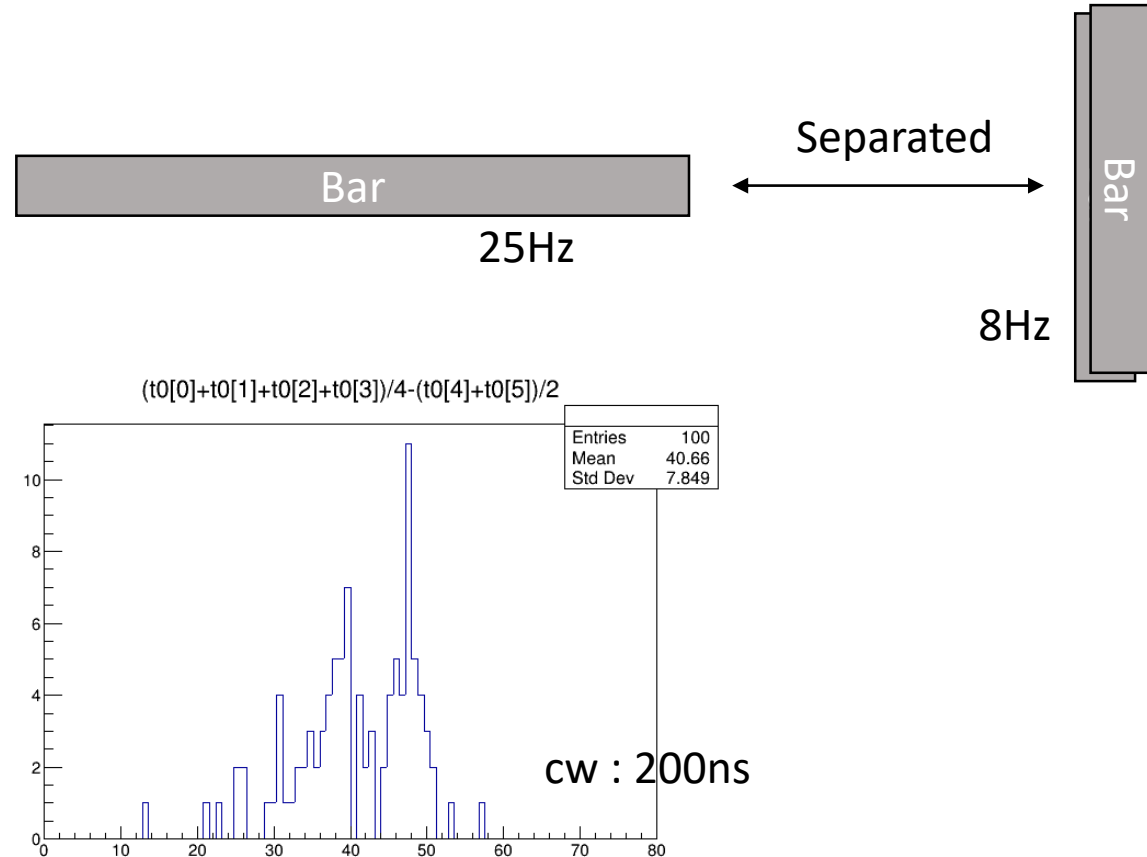
coincidence window : 100ns

```
***** DAQ Summary *****
Run number : 0
Start Time : 2020-01-22 12:18:51
End Time : 2020-01-22 13:26:41

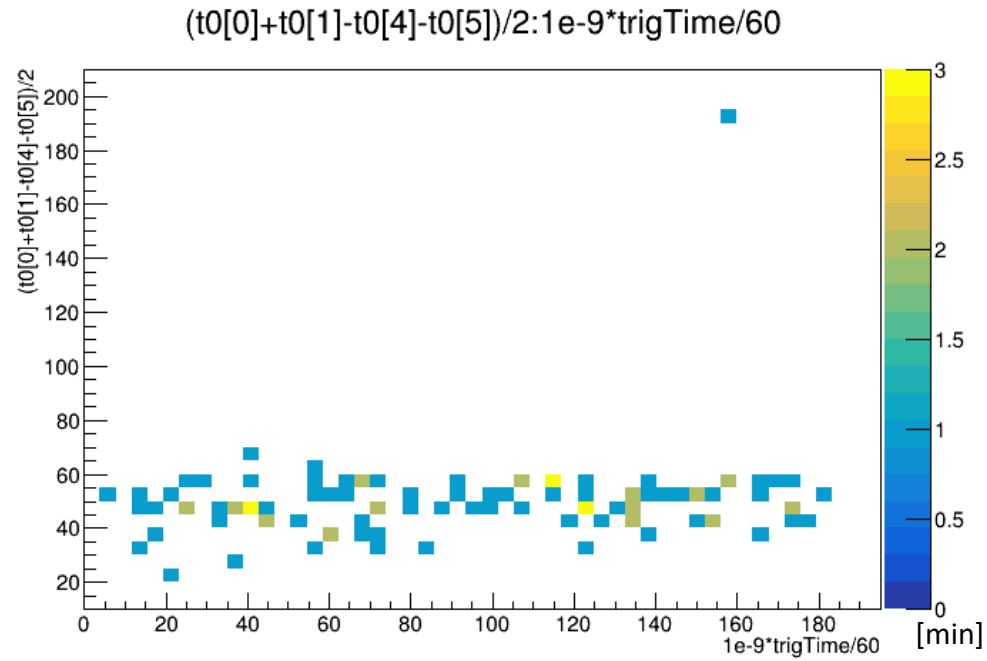
Total number of event : 40
Live time : 4025.8 [s]
Trigger rate : 0.0 [Hz]

Received data size : 0.00 GBytes ( 0.00 MB/sec)
Written data size : 0.00 GBytes ( 0.00 MB/sec)
*****
```

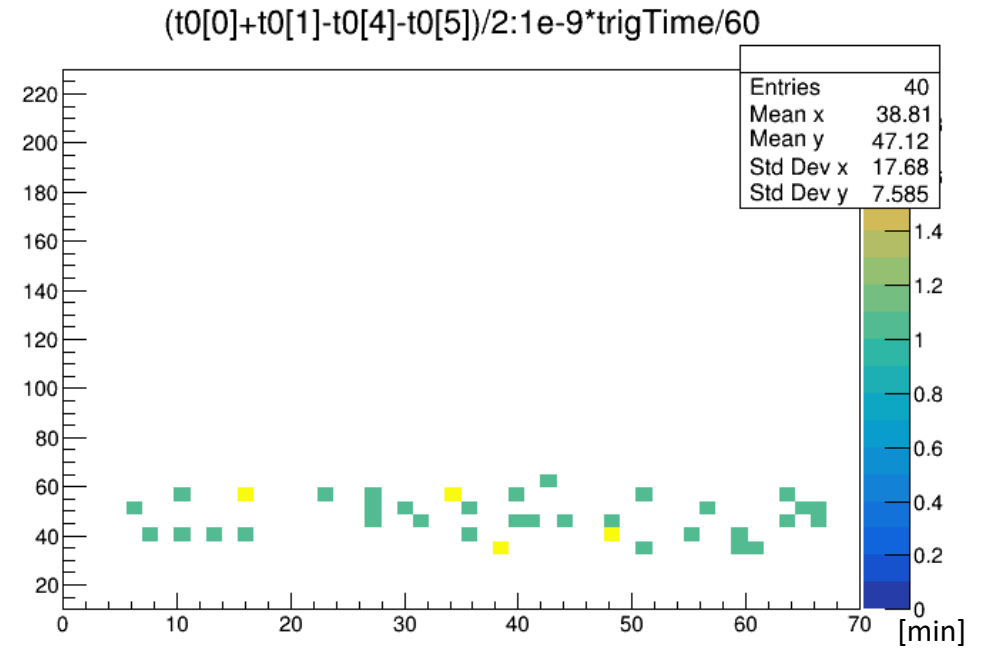
- 40 events / 4025 sec $\sim 10^{-2}$ Hz



Random Coincidence



coincidence window : 200ns



coincidence window : 100ns