

# **Review of INTT Beam Test 2023**

**Cheng-Wei Shih, National Central University**



# Clone event (not clone hit)

File: BeamData\_20211210-0302\_0.root (run52)

* Row	* Instance	* camac_adc	* camac_tdc	* INTT_even	* adc	* ampl	* chip_id	* fpga_id	* module	* chan_id	* fem_id	* bco	* bco_full	* event
* 17	* 48	* *	* *	* 1	* 3	* 0	* 21	* 0	* 1	* 103	* 1	* 67	* 65475	* -1
* 17	* 49	* *	* *	* 1	* 1	* 0	* 21	* 0	* 5	* 101	* 8	* 67	* 65475	* -1
* 17	* 50	* *	* *	* 1	* 0	* 0	* 21	* 0	* 5	* 100	* 8	* 67	* 65475	* -1
* 17	* 51	* *	* *	* 1	* 3	* 0	* 21	* 0	* 6	* 98	* 8	* 67	* 65475	* -1
* 17	* 52	* *	* *	* 1	* 3	* 0	* 21	* 0	* 1	* 103	* 1	* 68	* 65476	* -1
* 17	* 53	* *	* *	* 1	* 1	* 0	* 21	* 0	* 5	* 101	* 8	* 68	* 65476	* -1
* 17	* 54	* *	* *	* 1	* 0	* 0	* 21	* 0	* 5	* 100	* 8	* 68	* 65476	* -1
* 17	* 55	* *	* *	* 1	* 3	* 0	* 21	* 0	* 6	* 98	* 8	* 68	* 65476	* -1

The pairs are identical! only the timing information is different!

- They are in the same “trigger event”
- The two groups have identical content except the bco and bco\_full
  - Are they clone event ? or just coincidence ?