

# **Beamtest in Dec 2000 at KEK**

**Y. Unno, KEK**

**Participants:**

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- **DUT's: non-irradiated**

**k3103 - anchor**

**k11 - ABCD3T double-decker barrel module**

**k22 - ABCD3Tm ThinMetalized barrel module**

**Val165 - ABCD3T forward (Valencia)**

**CG - ABCD3T forward (CERN/Geneva)**

- **DUT's: irradiated**

**k03 - ABCD3T barrel module irradiated**

**Val166 - ABCD3T forward module (Valencia) irradiated**

- **Date: Nov. 28 - Dec. 9, 2000**

**i.e., on-going**

# Status

- **Non-irrad modules**

Characterization: Nov. 27~28

A few setup in the beamline climate box on 28

- **Irradiated modules**

Arrived on 29 Nov.

Characterization: Nov 29-30

Setup in the beamline box on 30 Nov.

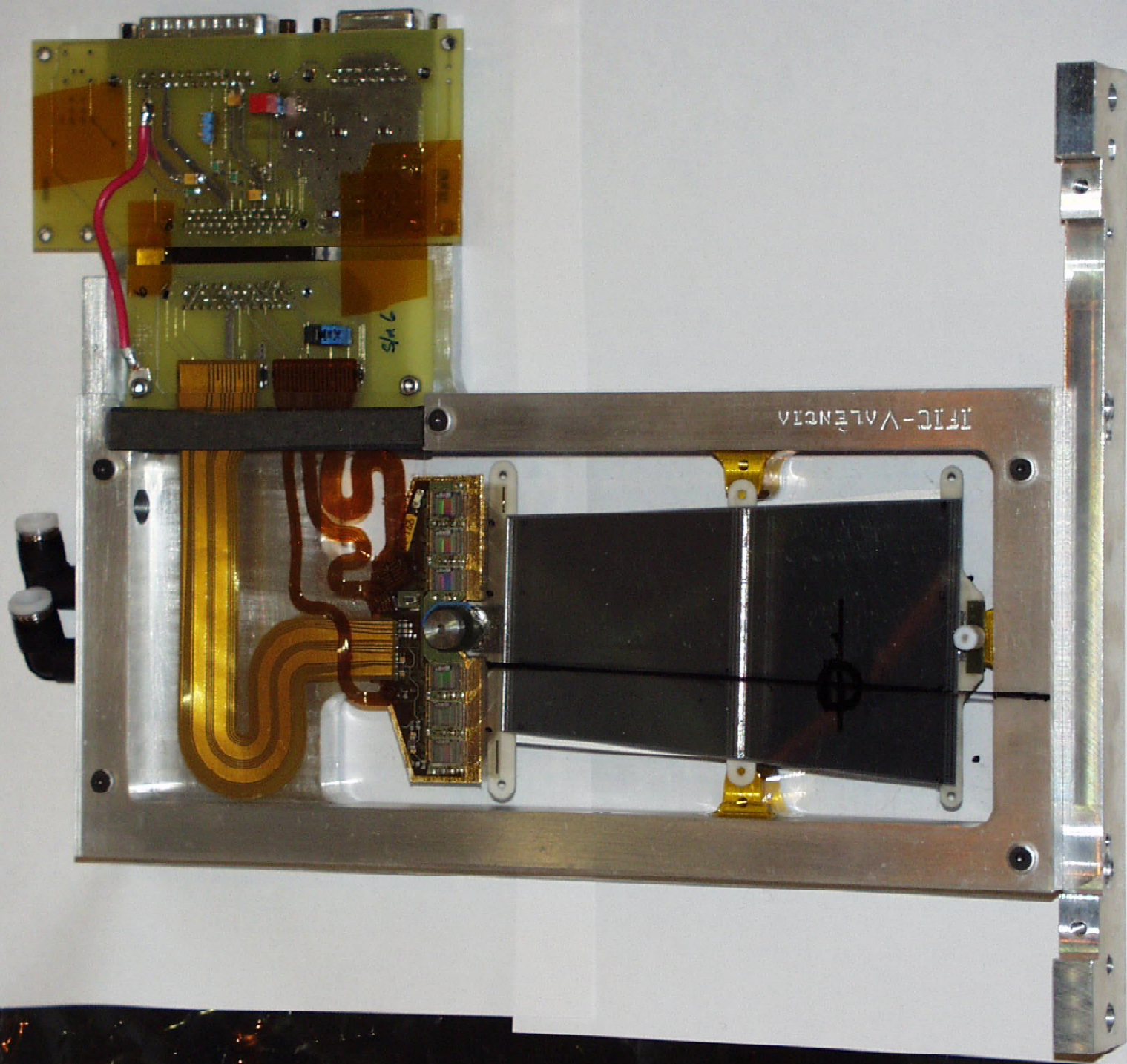
Val166 - 9 chips trim range=3 settable, put in the beam

k03 - nearly all chips stuck at trim range=0, put in the “soft” annealing and to be set in the beamline in the Dec 5 intermission

- **Data taking**

Tuning of the data taking software

Telescope IRAM readout tuning (for higher PC response, 800MHz)



# A few plots

- **Online plots**

Telescope response

DUT hit map

Telescope-DUT correlation

DUT hit multiplicity

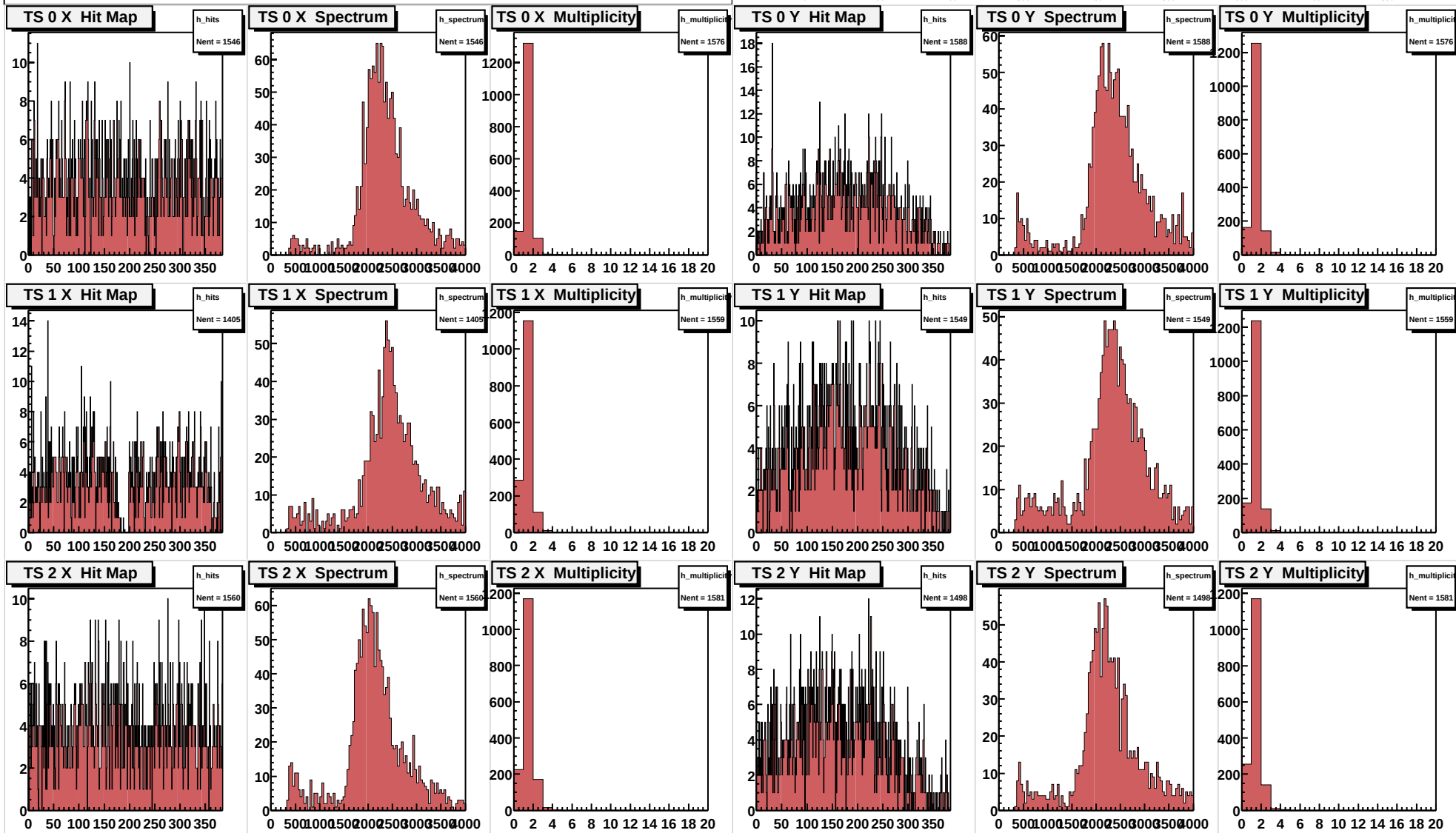
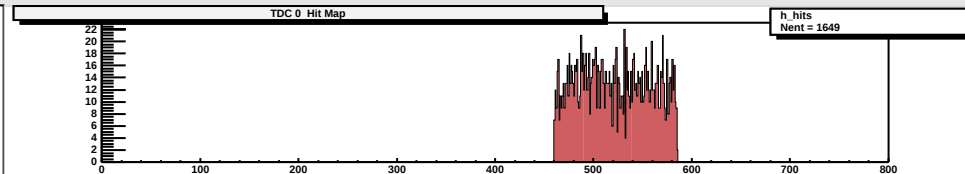
- **Offline analysis**

(Very preliminary) Efficiency curves

TS Hits SCT Testbeam Run 3159 Date 20001203 Time 42618

ScanType 41 ScanValue 1.7 TriggerDelay 108

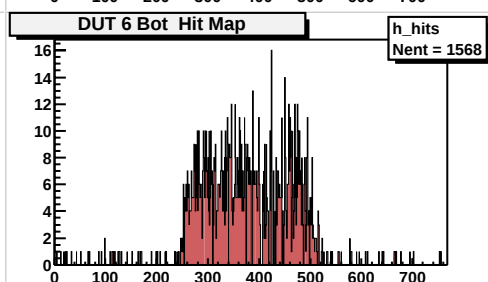
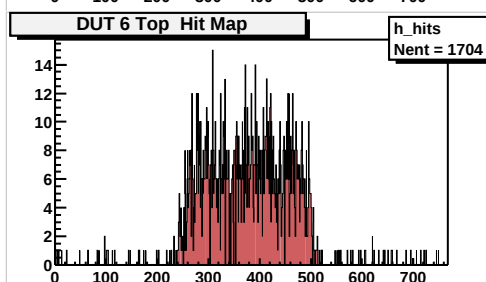
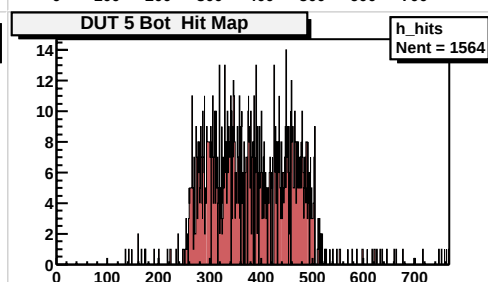
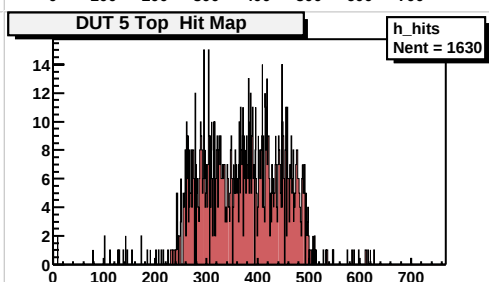
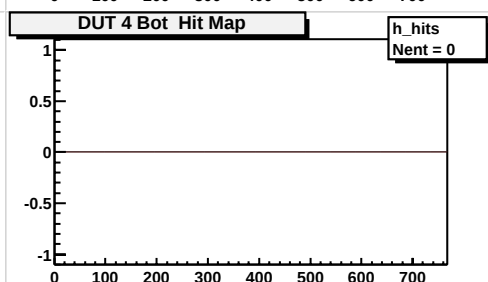
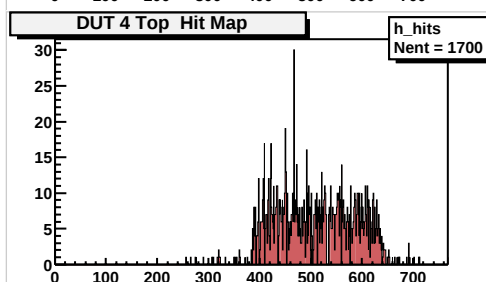
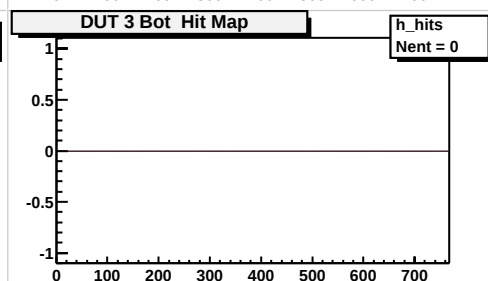
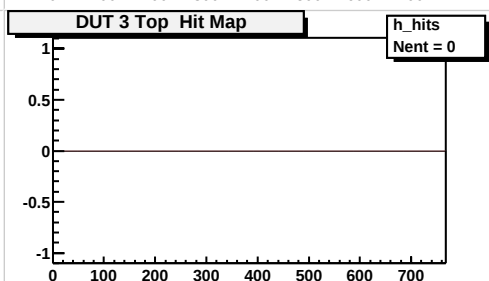
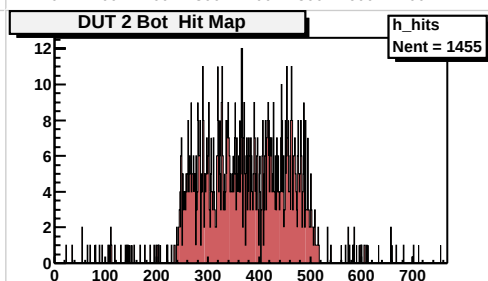
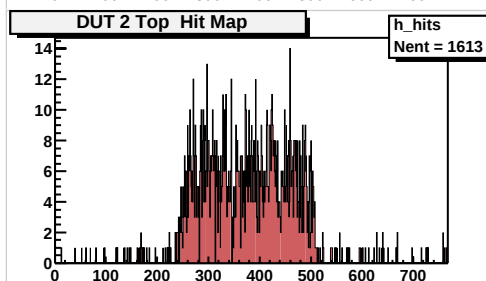
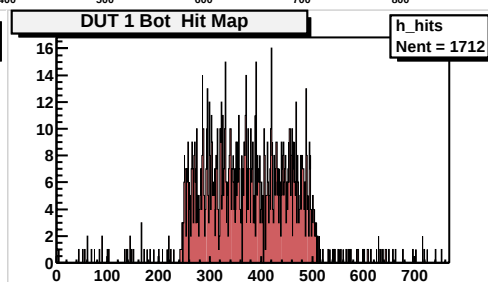
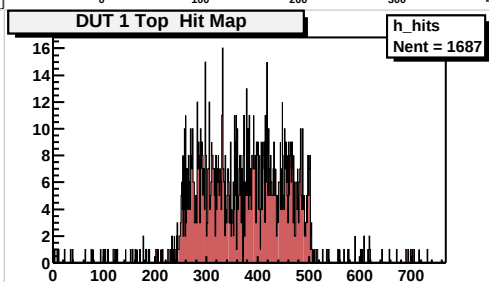
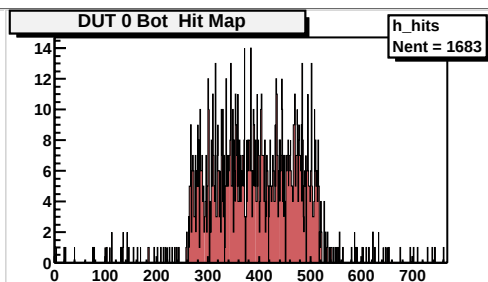
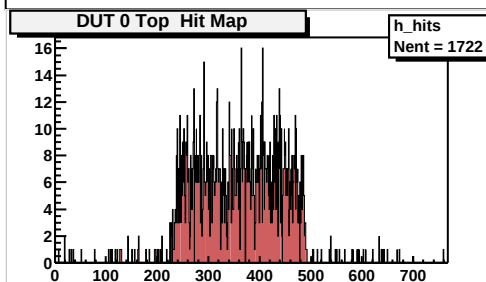
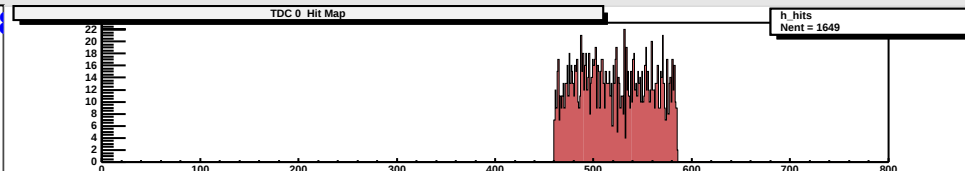
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DUT Hits SCT Testbeam Run 3159 Date 20001203 Time 4261

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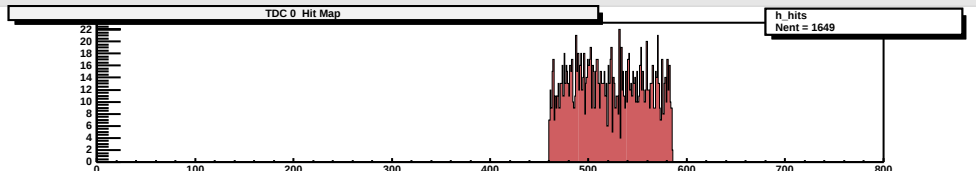
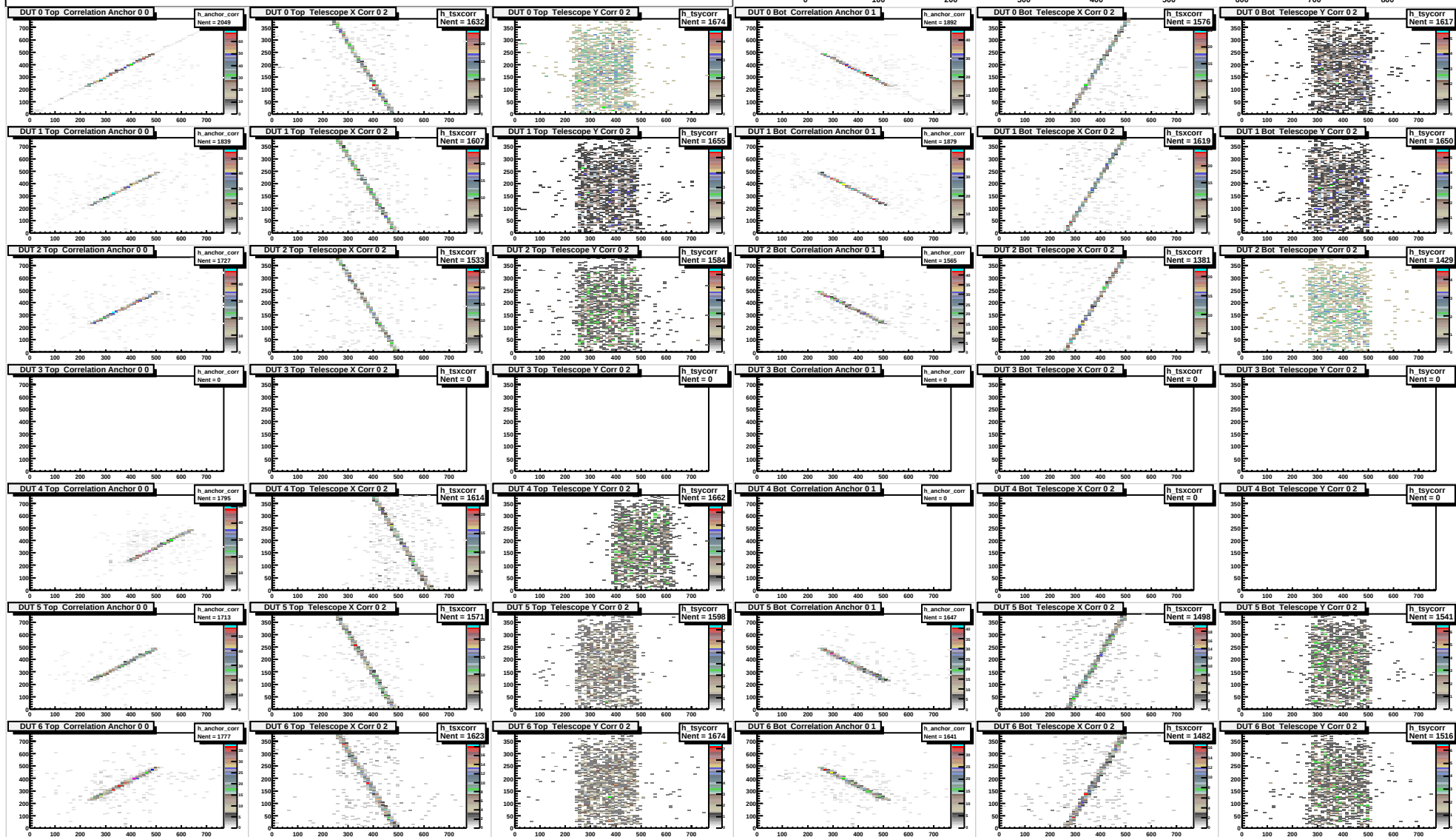
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Correlations SCT Testbeam Run 3159 Date 20001203 Time 4:

ScanType 41 ScanValue 1.7 TriggerDelay 108

Burst 78 EventsInBurst 63 EventsInRun 5033 of 5000



Multiplicity SCT Testbeam Run 3159 Date 20001203 Time 426

ScanType 41 ScanValue 1.7 TriggerDelay 108

Burst 78 EventsInBurst 63 EventsInRun 5033 of 5000

