

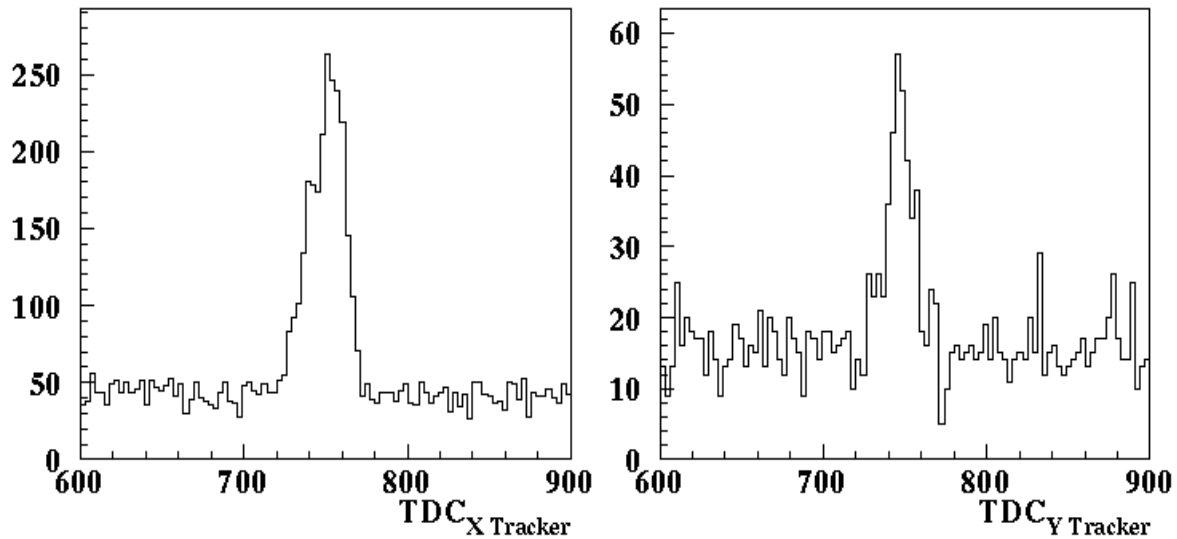
Forward Tracker Status

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SANE Detector Working Group Meeting
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Tracker Planes Configuration

- ***All three planes: Y1, Y2, and X.***
- ***Y1, Y2 counters with single fibers.***
- ***X counters with double fibers.***
- ***X counters' fibers summed directly near PMT base and with T-connector at lemo end.***

Single- vs Double-Fiber Configuration



- **Double-fiber configuration gives better signal-to-noise ratio.**
- **Modify Y-counters to double-fiber configuration.**

Construction of Modified X-Y Planes

- ***Combine existing two Y planes into a single one.***
- ***Y1 counters: $3 \times 6 \times 220 \text{ mm}^3$.***
- ***Y2 counters: $3 \times 3 \times 220 \text{ mm}^3$.***
- ***X counters: $3 \times 3 \times 400 \text{ mm}^3$.***
- ***Sum outputs of two fibers at PMT connector assembly.***
- ***Mount X, Y1, Y2 in a single frame.***

Hardware/Electronics Acquisition Status

| <u>Item</u> | <u>Status</u> |
|---|------------------------------------|
| • BC-408 scintillators | 128 more units on order |
| • Multi-clad WLS fibers | 335 more units on order |
| • Fiber-PMT Mounting Adapter | 6 more units on order |
| • H8804 64-channel PMT | 7 more units on order |
| • PMT Connector Assembly | 10 more units on order |
| • 4413 16-chnl Discriminators | 27 modules acquired |
| • Ribbon Cables from Discr. to TDC | 15 more units to be ordered |
| • Tracker mounting frame | to be constructed |
| • PMT shielding box | to be constructed |
| • All items on order to be delivered by end of June. | |
| • Complete detector package to be ready by mid August. | |