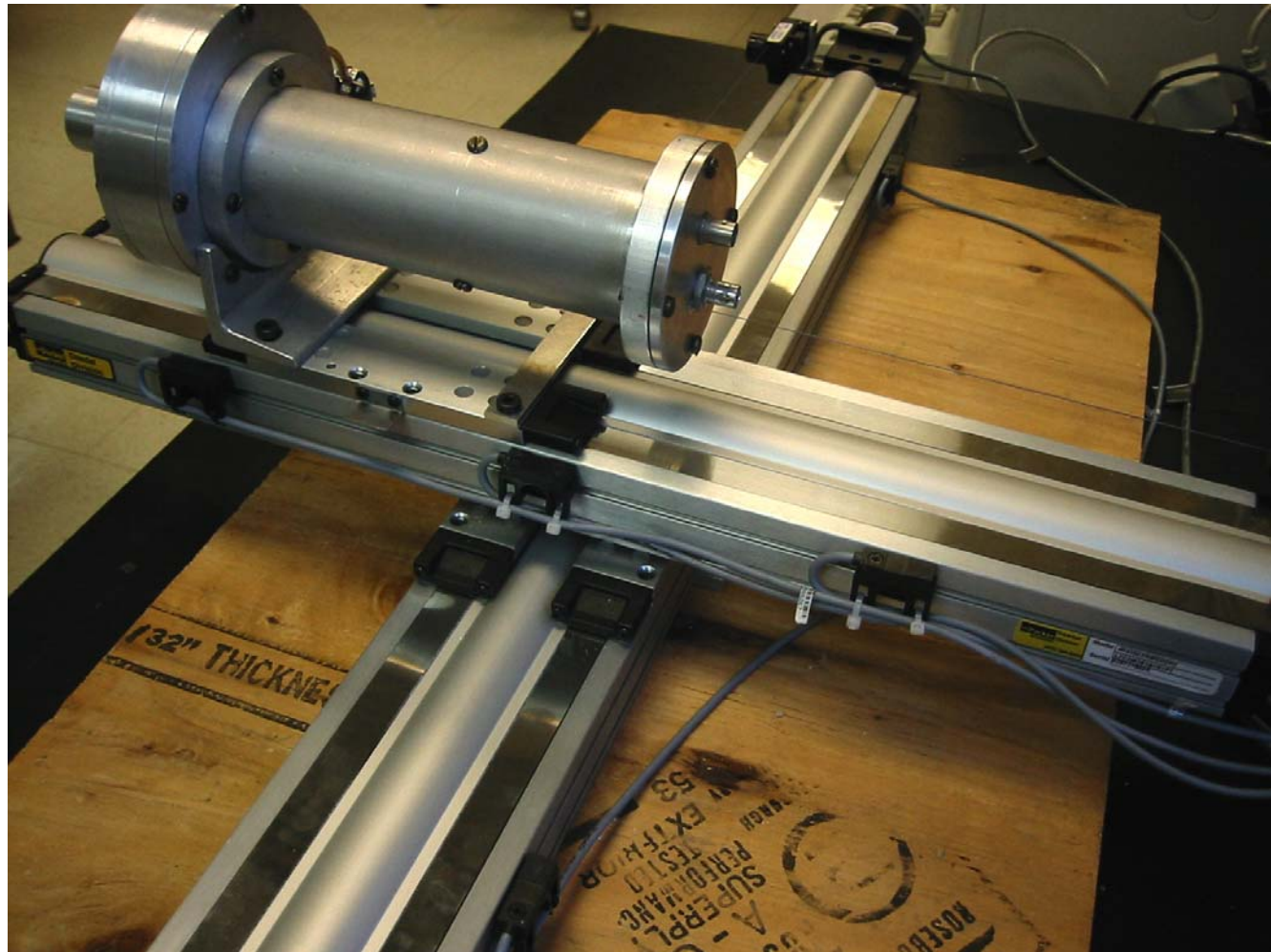
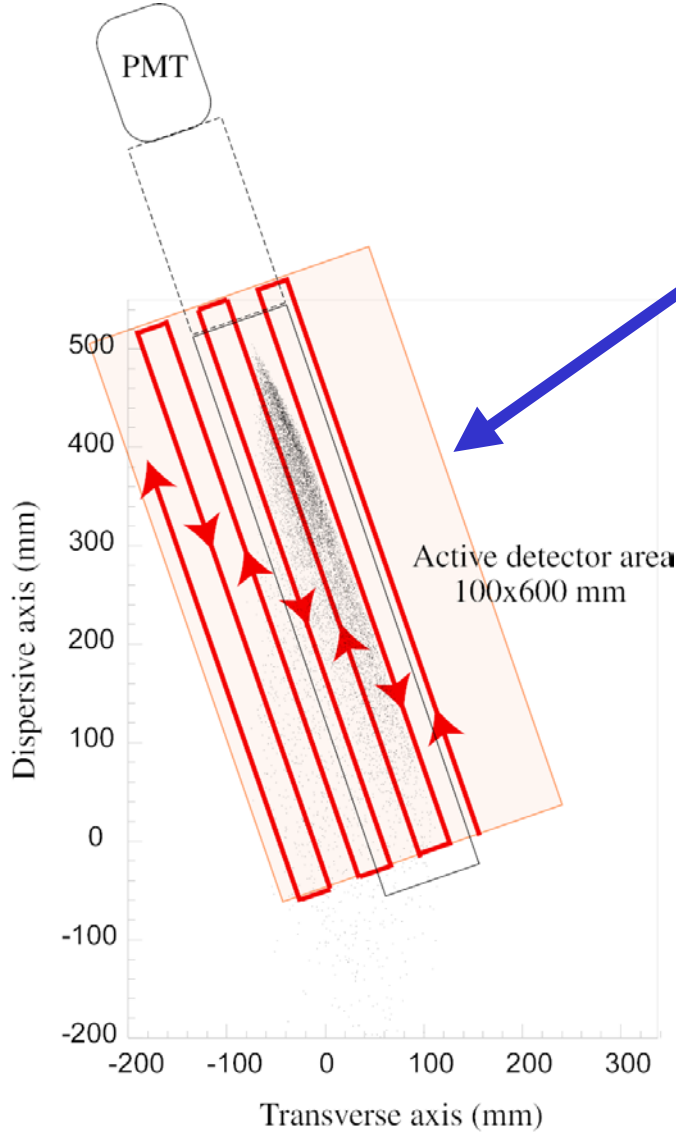


x-y scanner system during
bench tests at UMass



Sample scan & Labview vi window



The screenshot shows the Labview VI window titled "Advanced Grid Inspection.vi". The interface includes a menu bar (File, Edit, Operate, Project, Windows, Help) and a toolbar. The main panel contains several control elements:

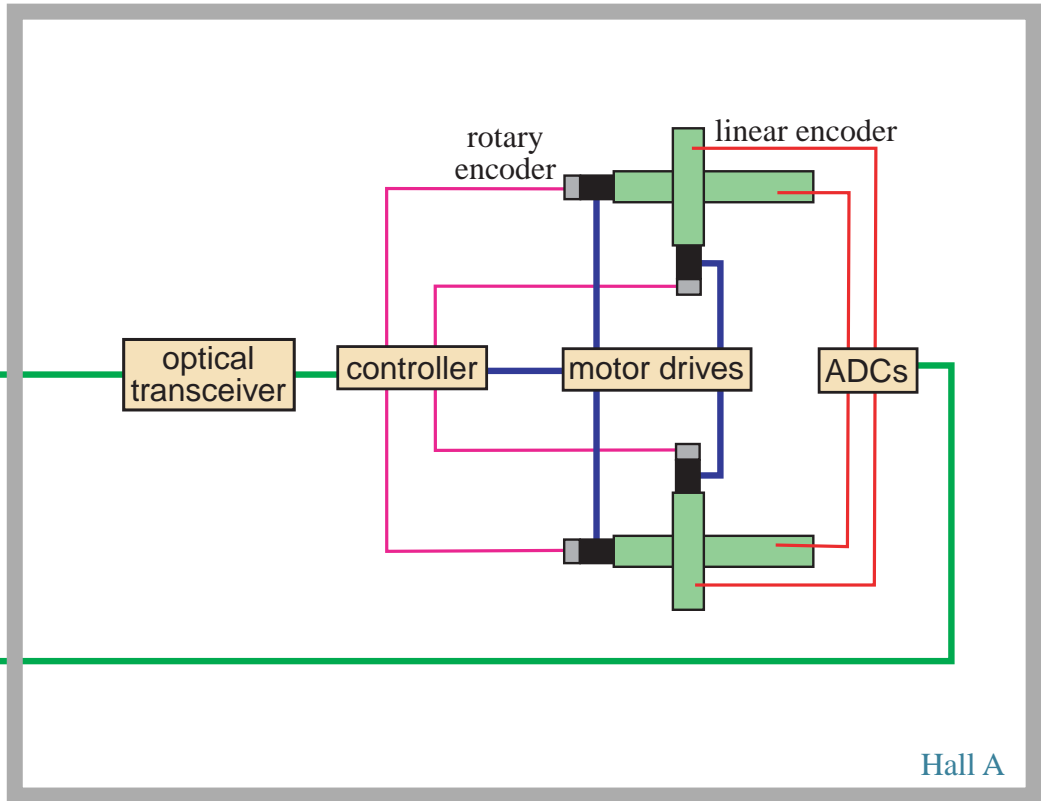
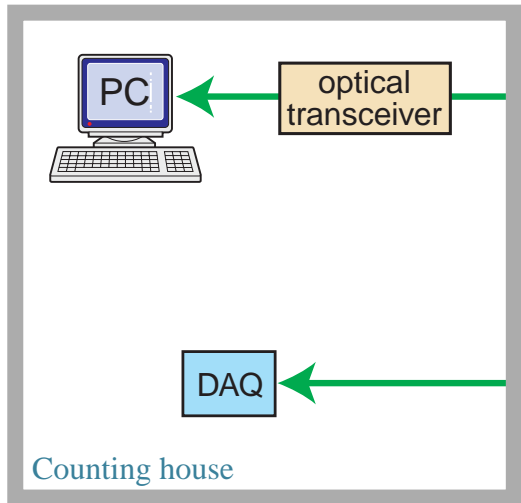
- Angle (in degrees from initial (x,y) around the bottom corner closest to (0,0)): 90
- Current X: 8481, Current Y: 53970
- X-Y Position History: A plot showing the scan path.
- Board ID: 1
- Initial X Position: 0
- Initial Y Position (axis 2): 0
- X Axis: Axis 1
- Final Y Position: 45000
- Y Axis (2=long): Axis 2
- Vector Velocity (RPM): 800.00
- # of Y Steps: 10
- Vector Acceleration (RPS/s): 10.00
- Width (x): 80000
- Blend Type: 0
- STOP button: (takes a few seconds to actually stop once pressed)

EXPLANATION OF POSSIBLE VALUES FOR BLEND TYPE

- 1: Superimpose acceleration and deceleration segments of consecutive moves
- 0: Finish each move before starting another move
- +N: Delay N milliseconds between consecutive moves (up to 16383 msec)

Motion control

Optical fibre



Hall A

x-y scanner system: (very brief) status report

R. Hicks

University of Massachusetts at Amherst

⇒ Construction (essentially) complete

⇒ Still needed:

- ❑ Devise support inside detector huts.

- ❑ Consider alignment issues

- ❑ Cabling and remote control from Hall-A counting house

⇒ Two UMass students (Jen Niedziela and Jason Cahoon) will be onsite this summer to complete installation preparations.

⇒ During Fall we will take time to test and further develop the air-tube Cerenkov detectors.