

TOFr Construction Status

03/14/2002

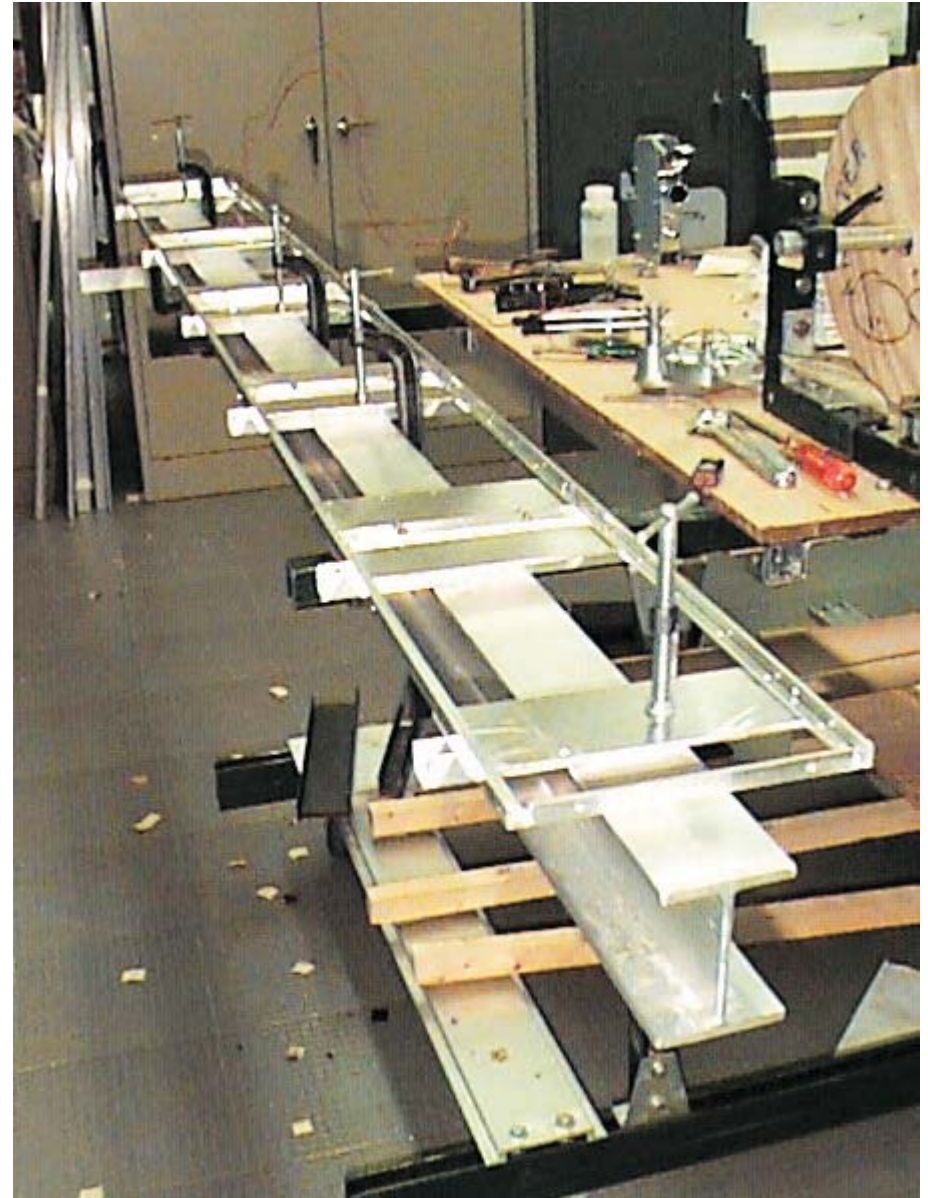
*L. Bridges, Chen Hongfang, G. Eppley, F. Geurts, J. Hoffmann,
J. Lamas-Valverde, Li Cheng, W.J. Llope, T. Nussbaum*

Rail Assembly Construction

*Build new side and end rails to match FT plate posns
Install in tray
Build Plates and install in posn using Al "Fake FT Plates"*



*Remove Rails, Plates, and fake FT plates as one piece
Clamp, prep for welding, and weld plates to rails.*



Rail Assembly Construction (cont.)

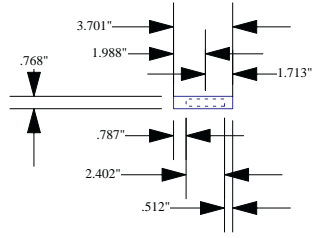
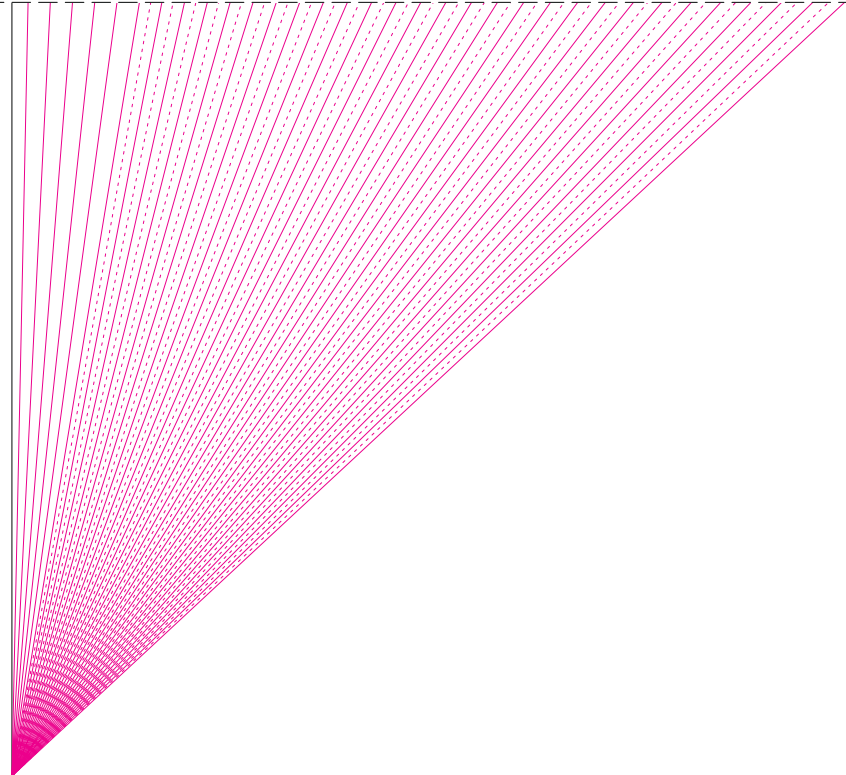
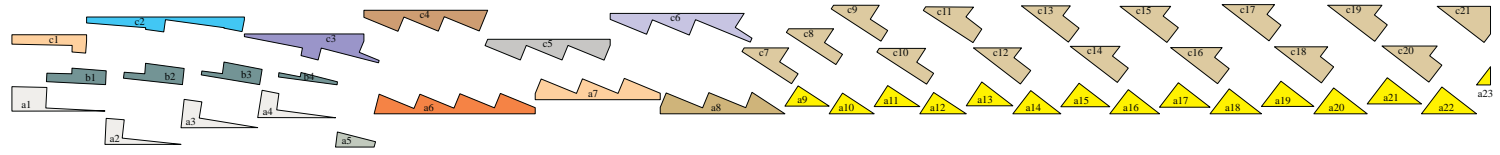
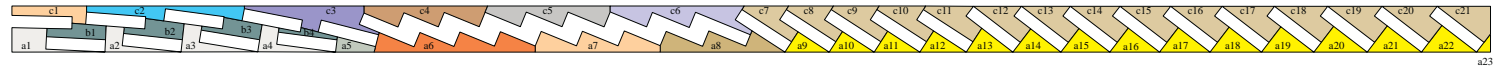
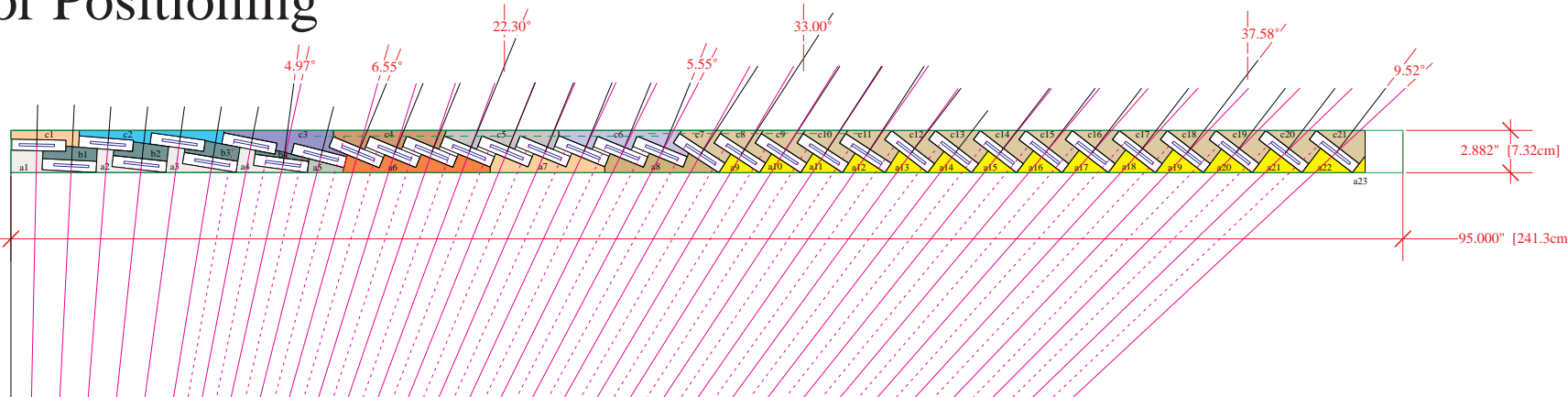


FEE and Threshold System

*all 30 FEE boards for TOFr produced and bench tested.
Remote threshold is stable
Now just running continuously in a side room (shown here)*

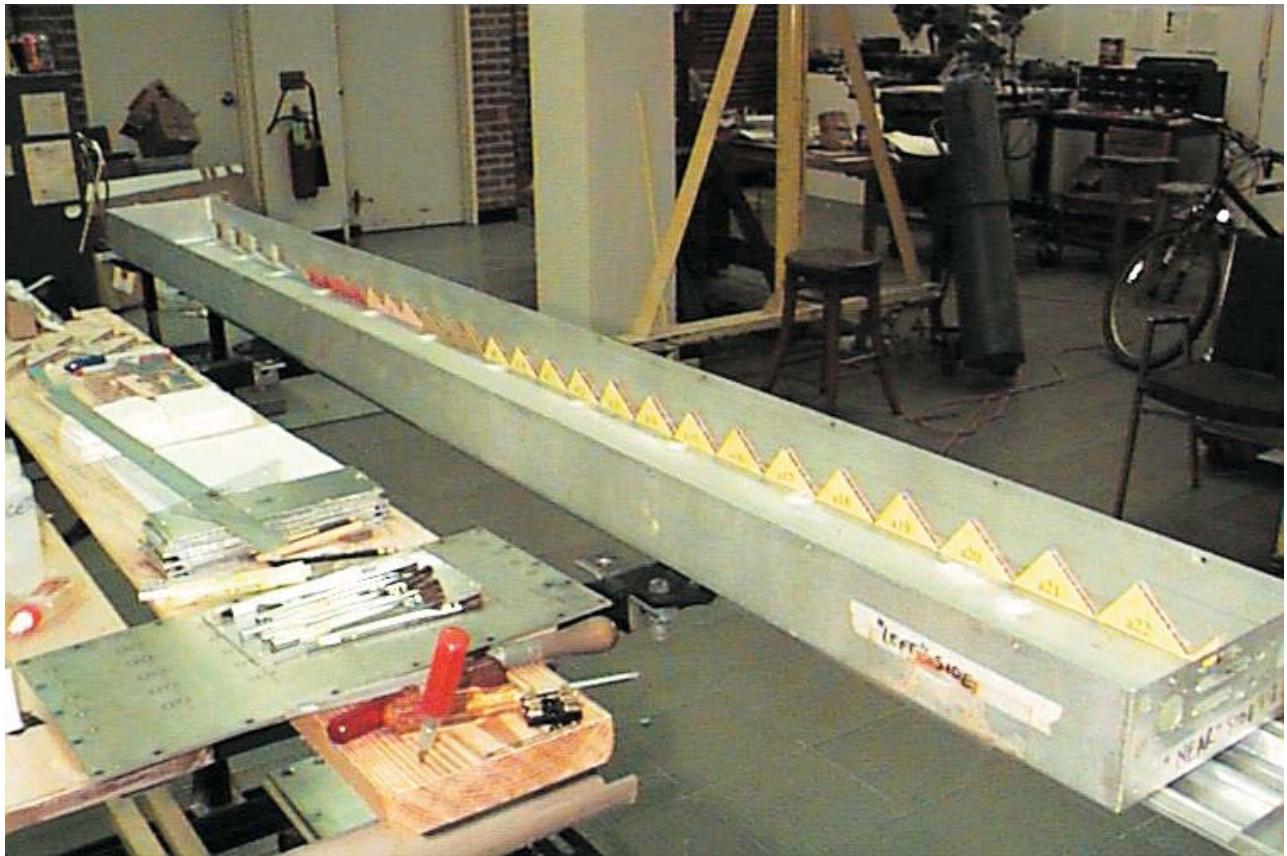


Detector Positioning



Sawtooth Construction and Installation

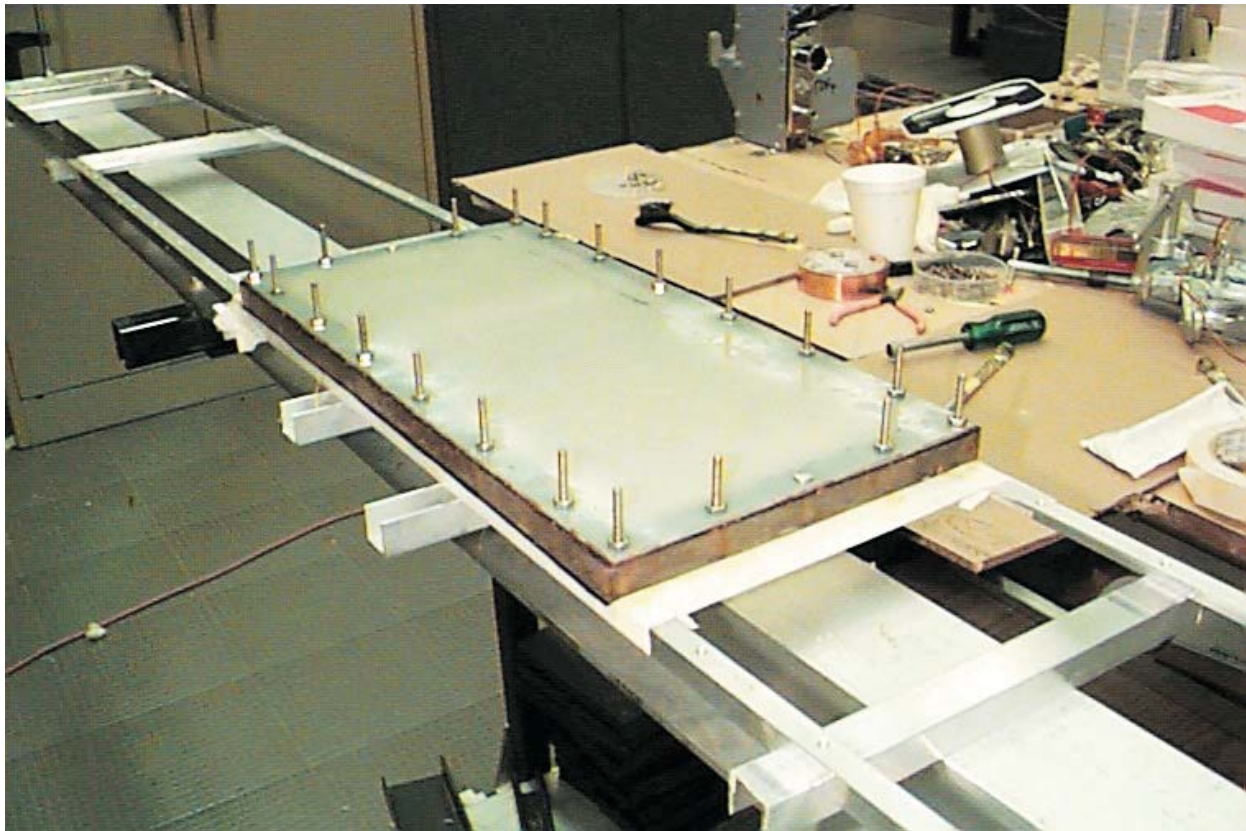
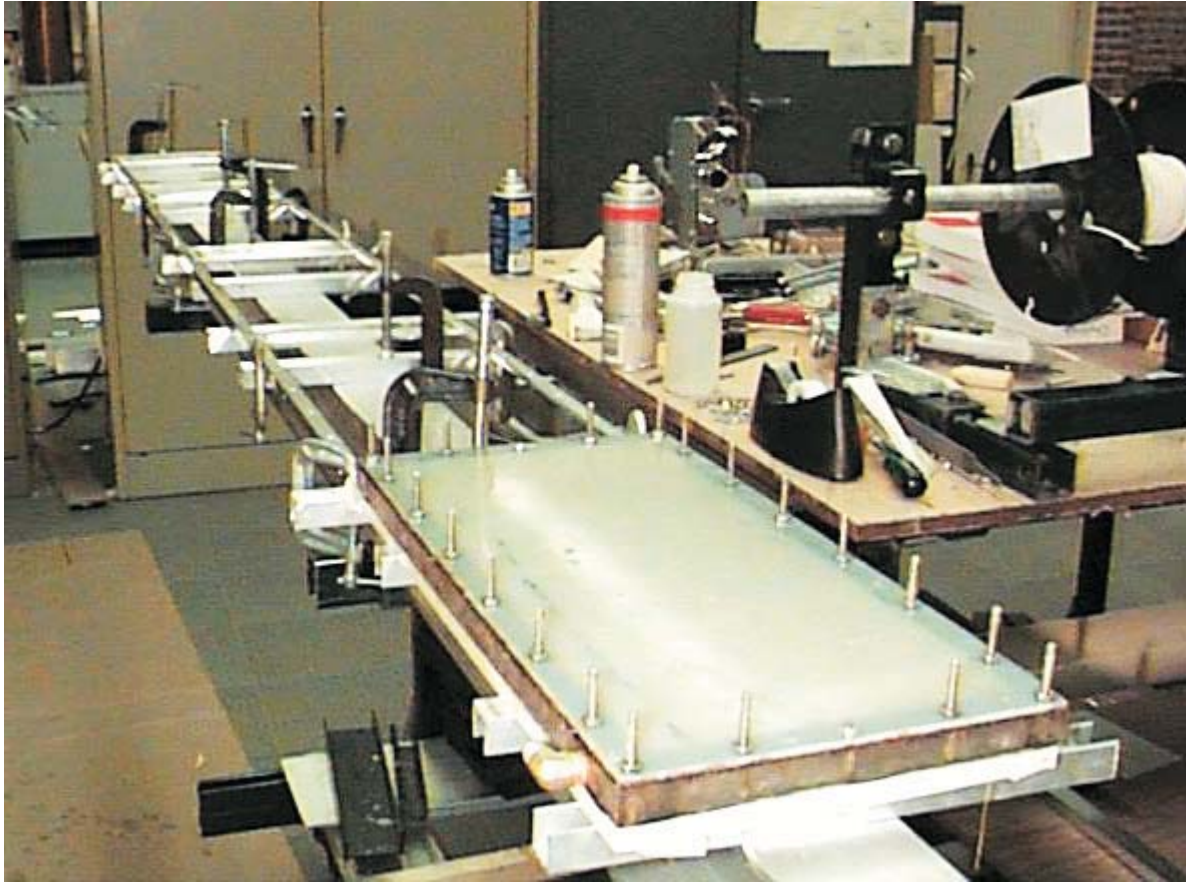
Right Side "A Piece" Sawtooths



Left Side "A Piece" Sawtooths



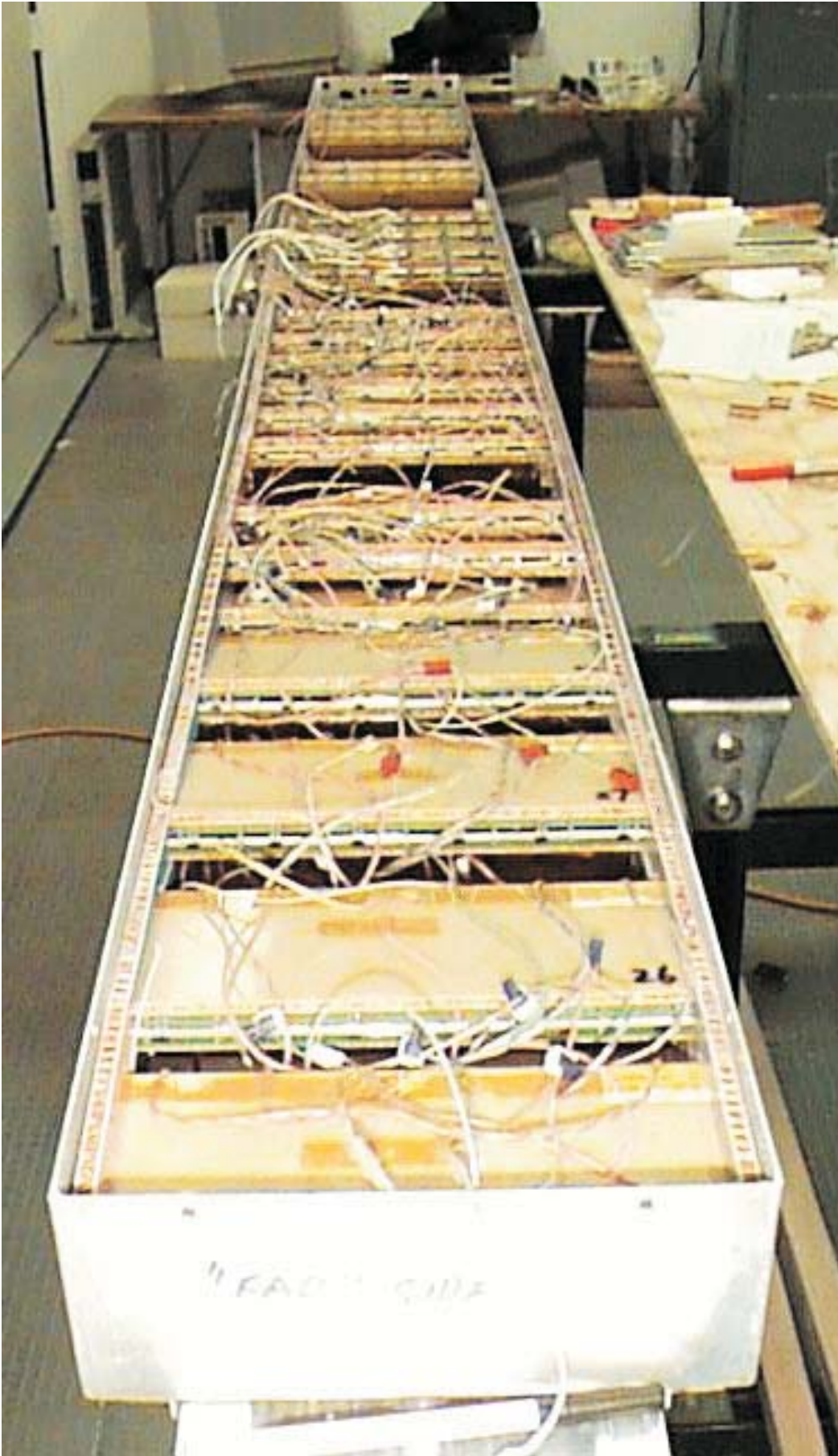
Gasket Installation onto Welded Rail Assembly



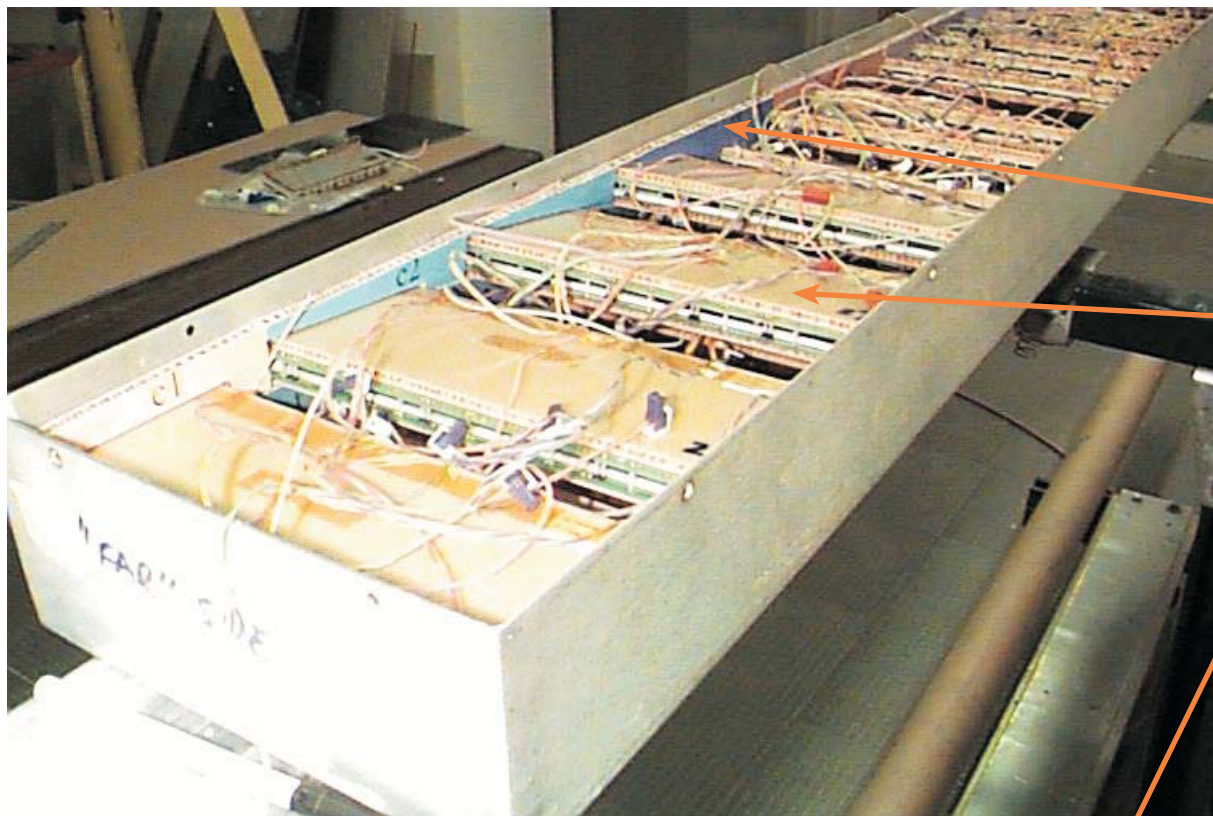
Kapton Installation



Detector Installation



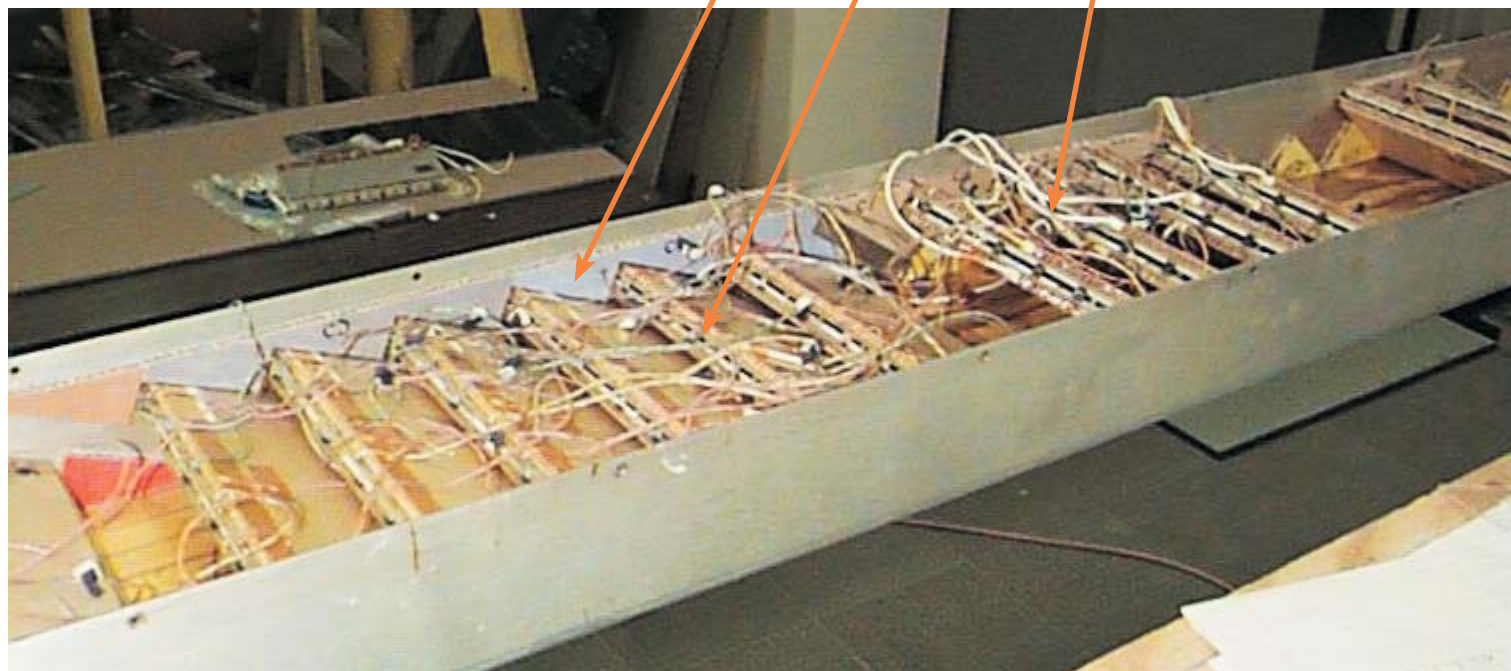
Detector Installation (cont.)



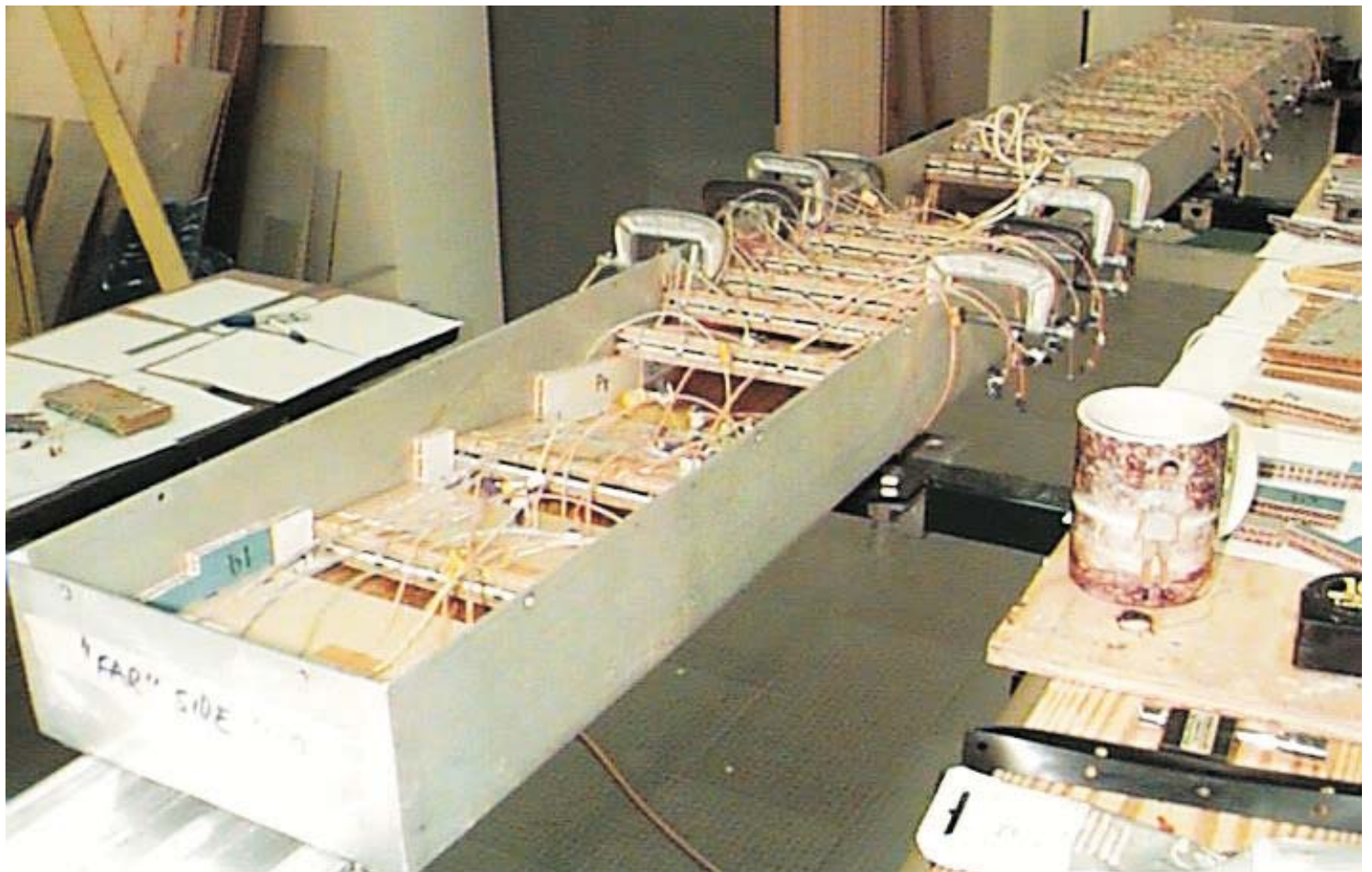
“C Piece” Sawtooths

USTC MGRPC

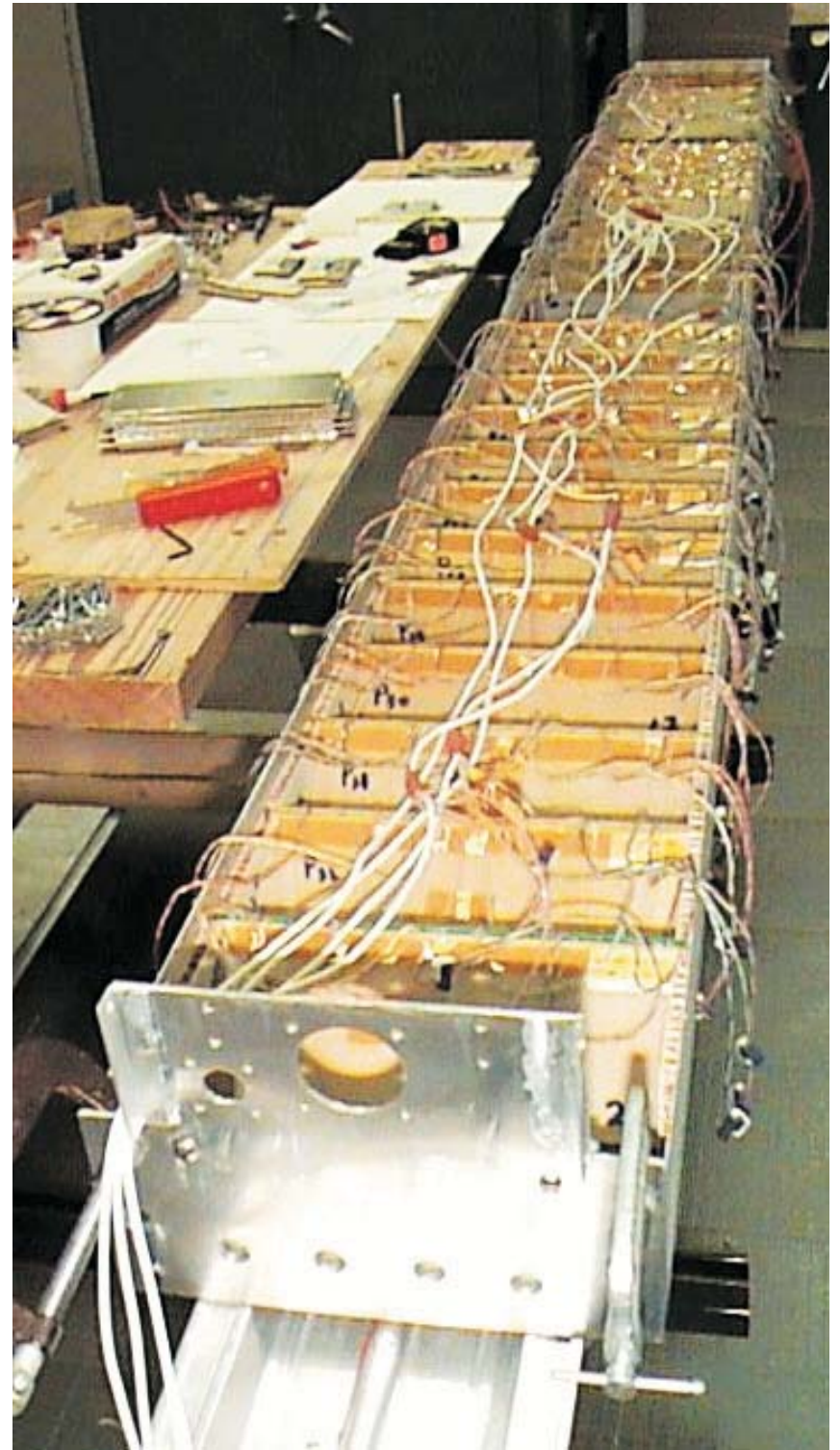
CERN MGRPC



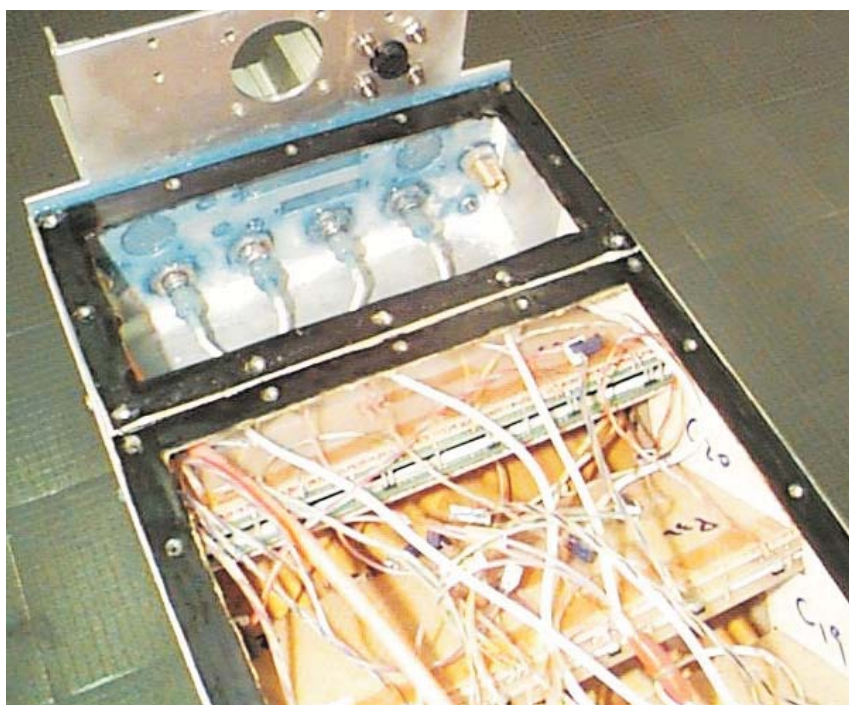
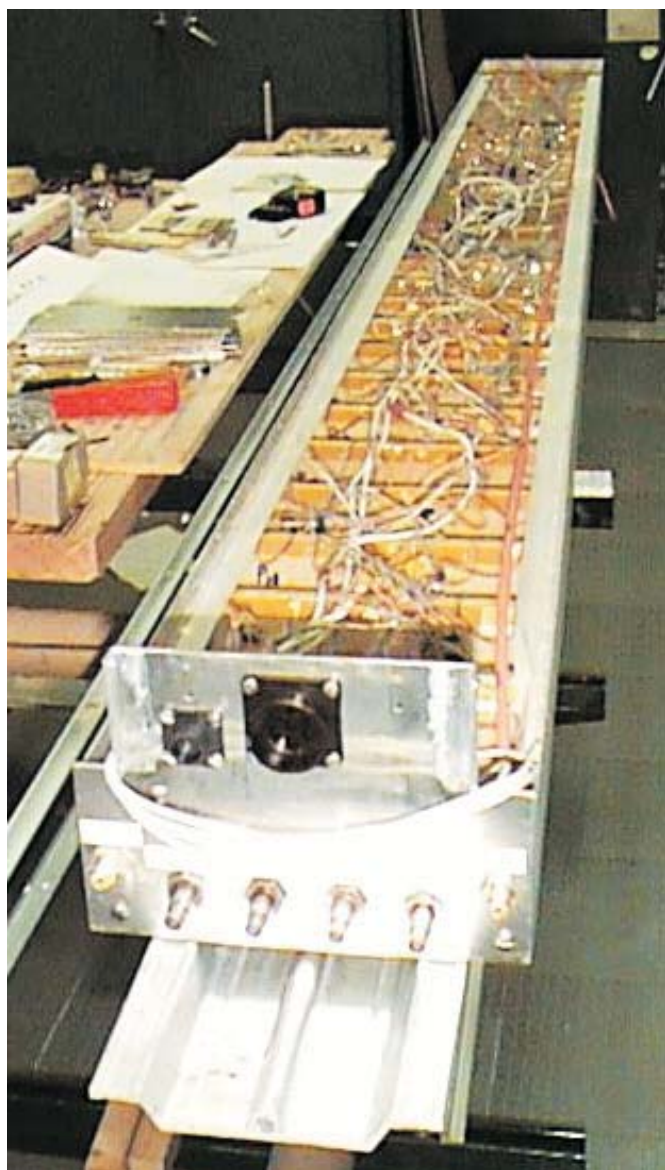
Detector Installation (cont.)



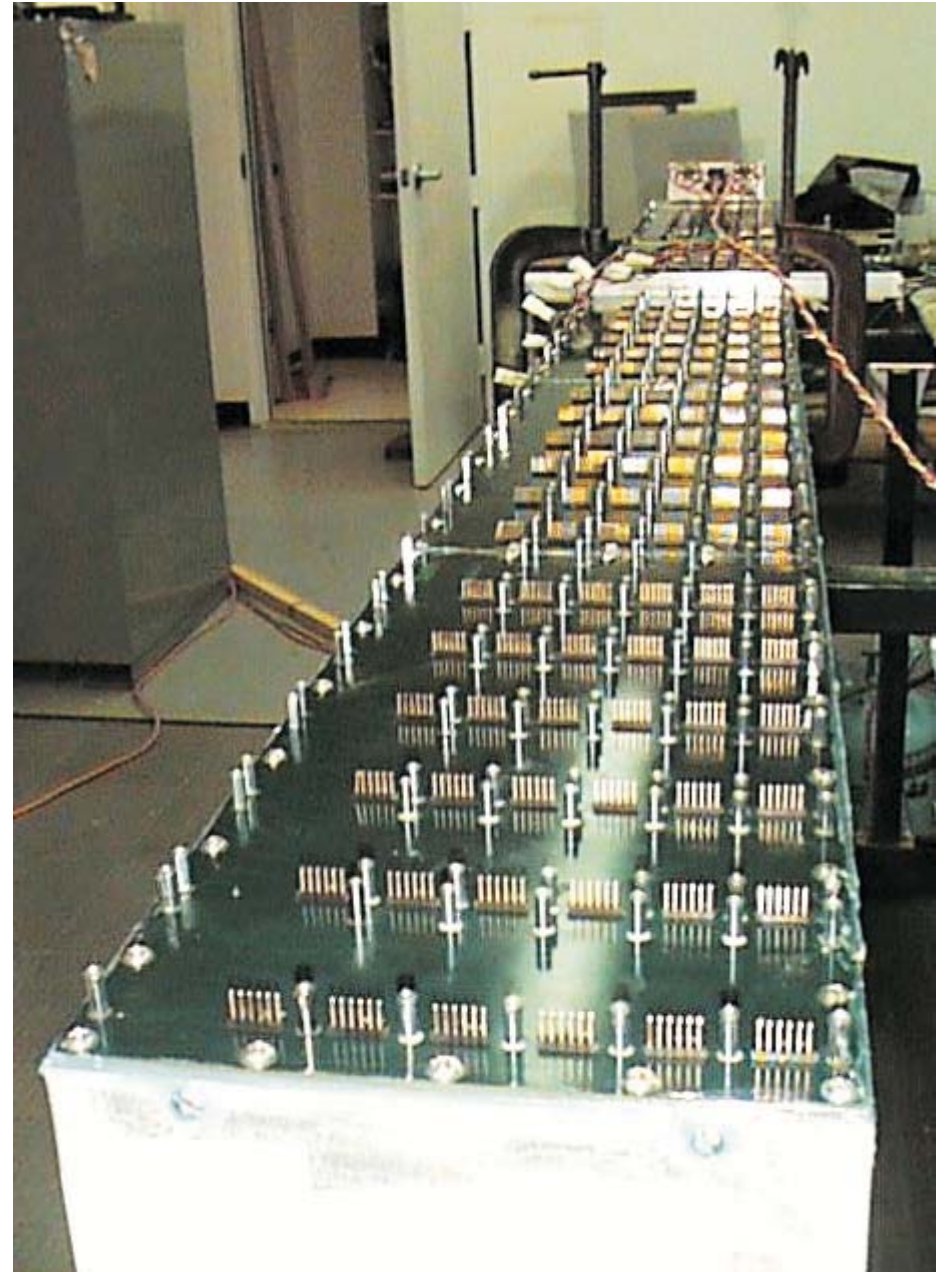
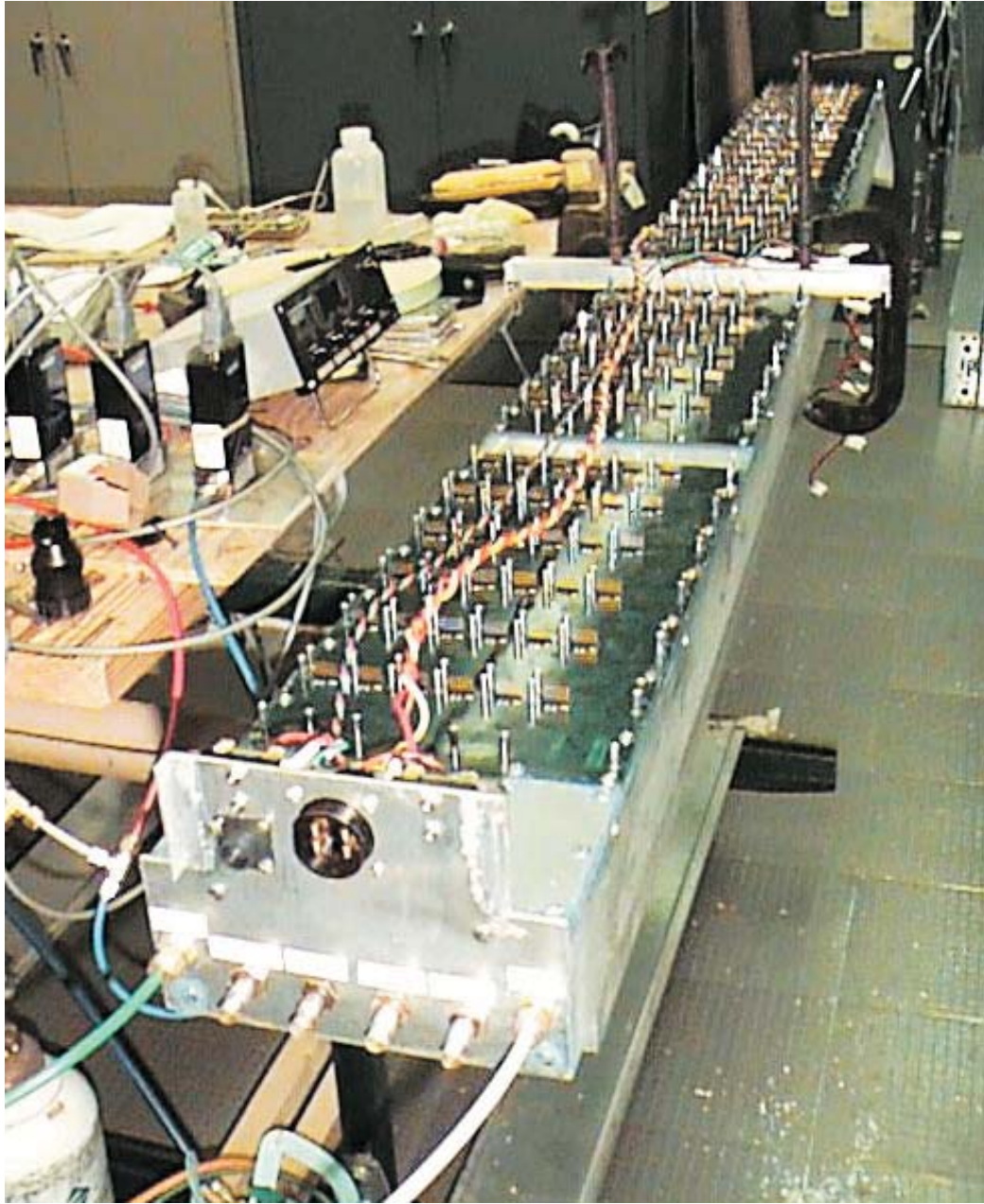
Detector Installation (cont.)



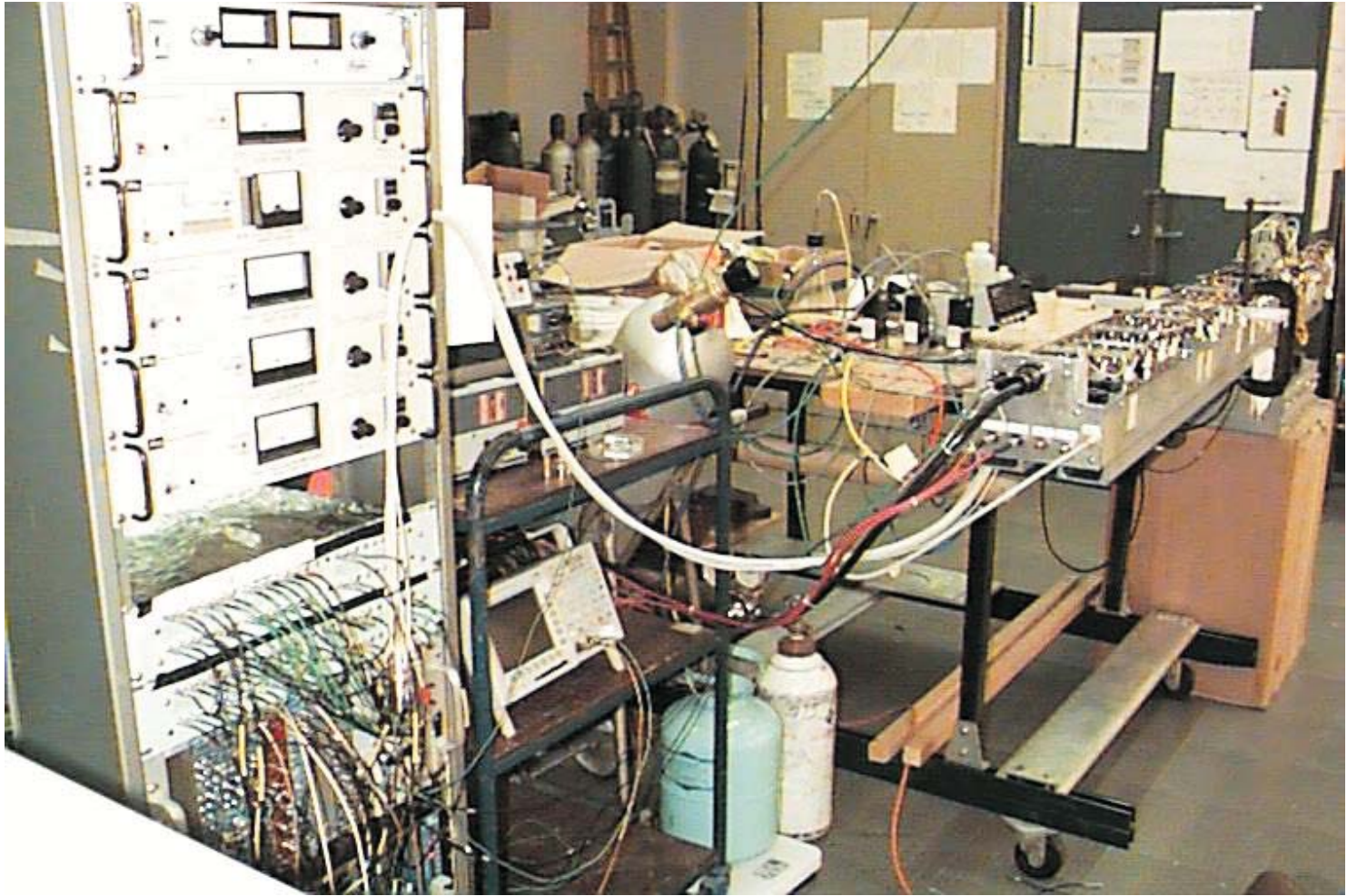
Rail Assy Installation



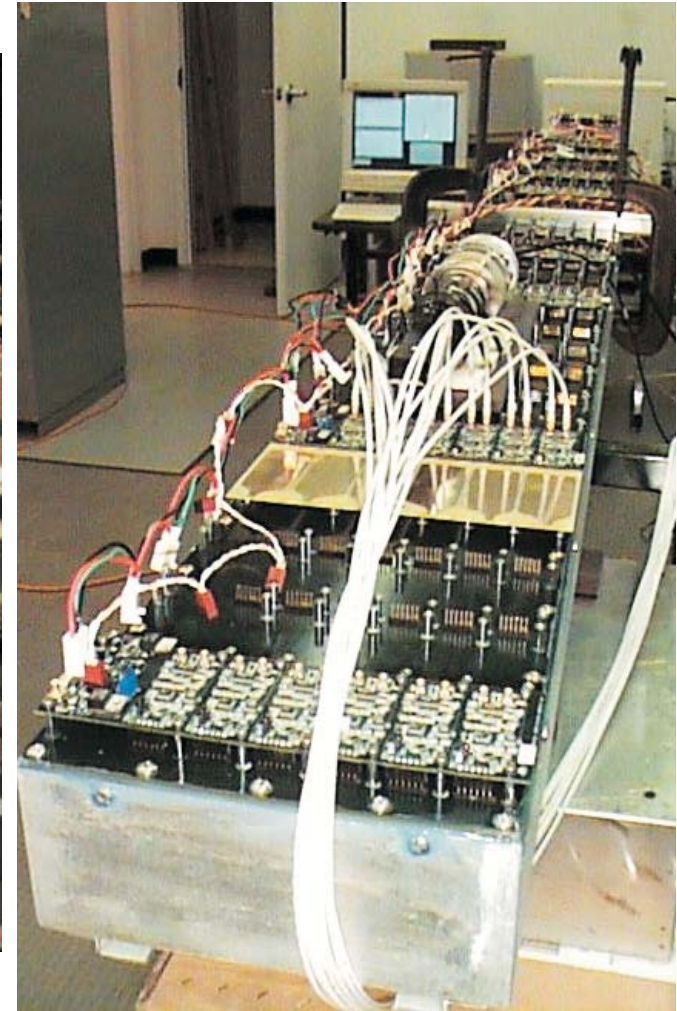
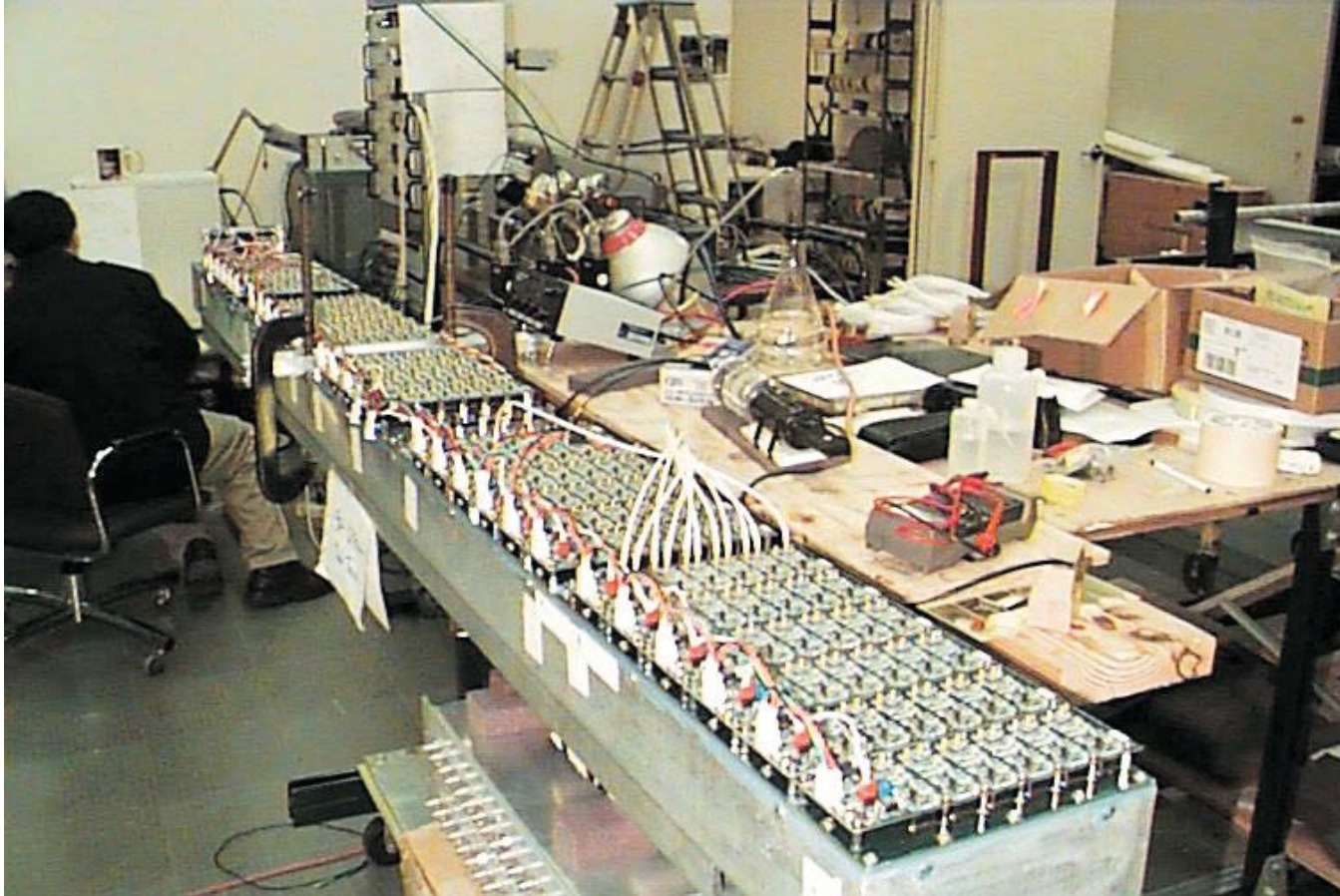
FT Plate Installation and Sealing



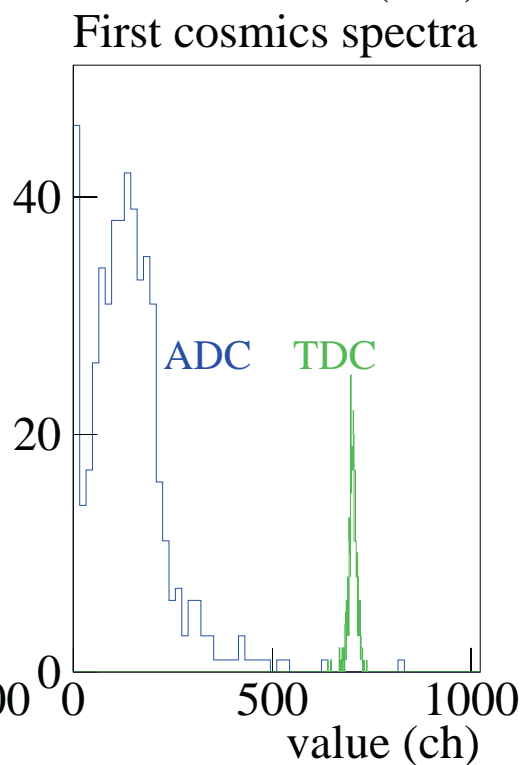
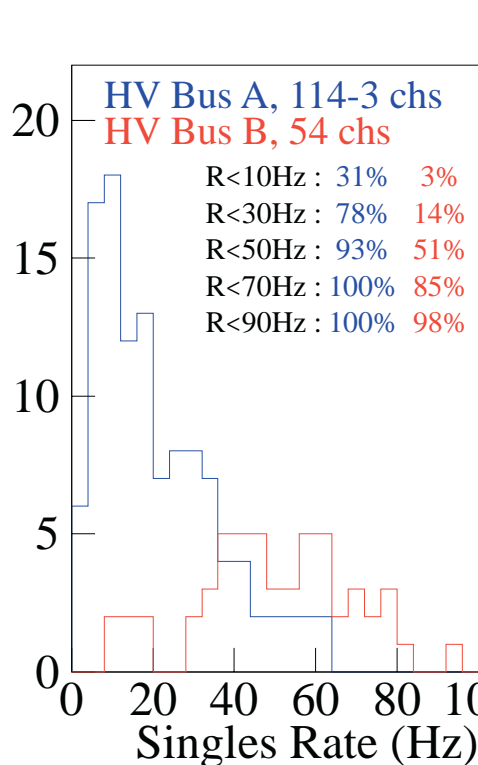
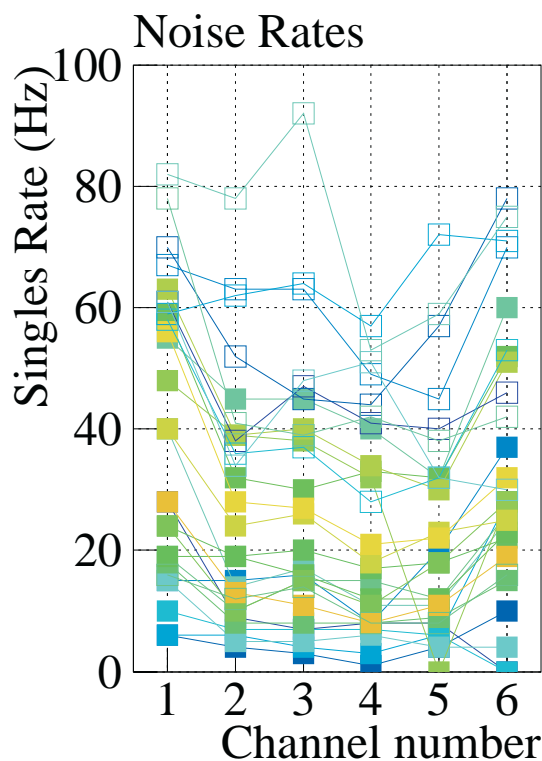
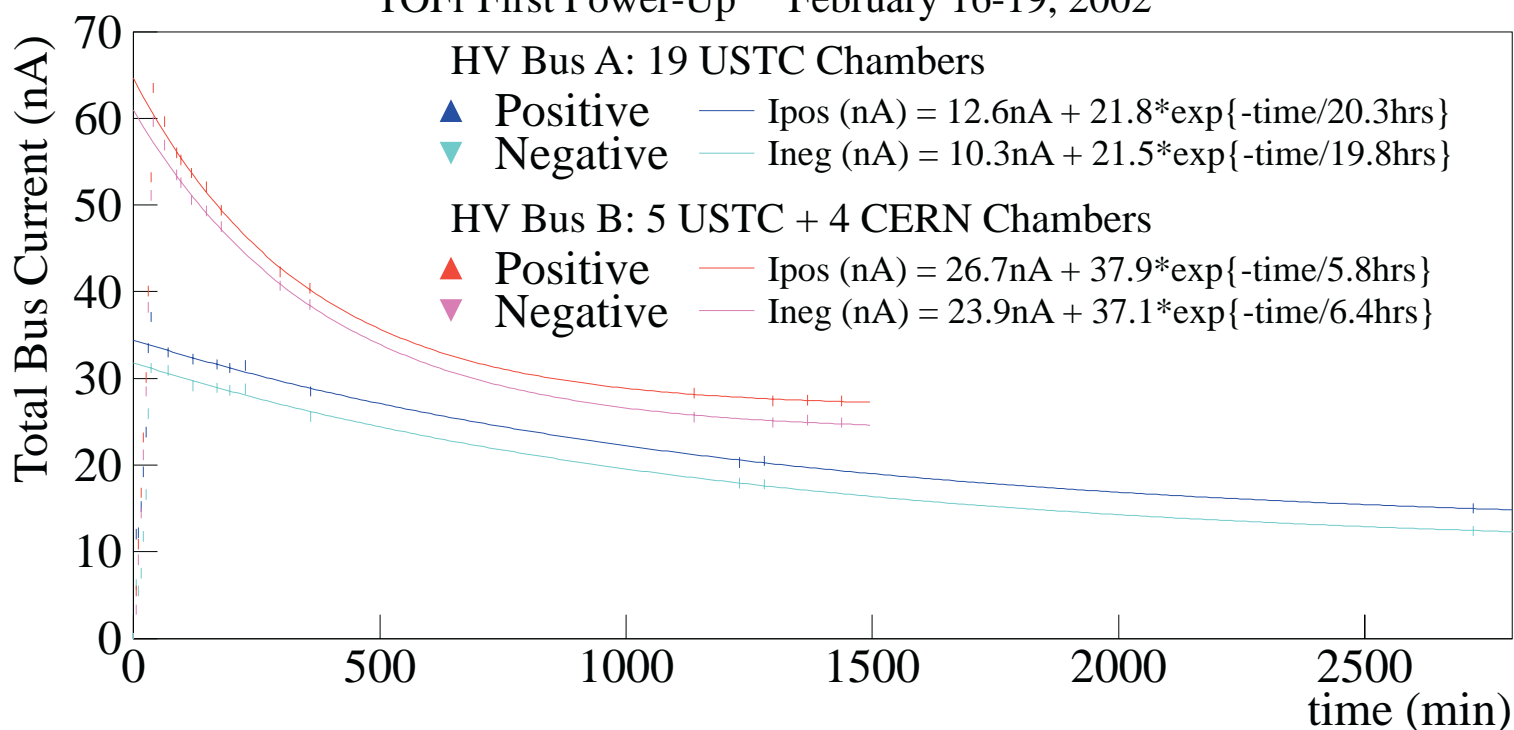
Final Testing



Final Testing (cont.)



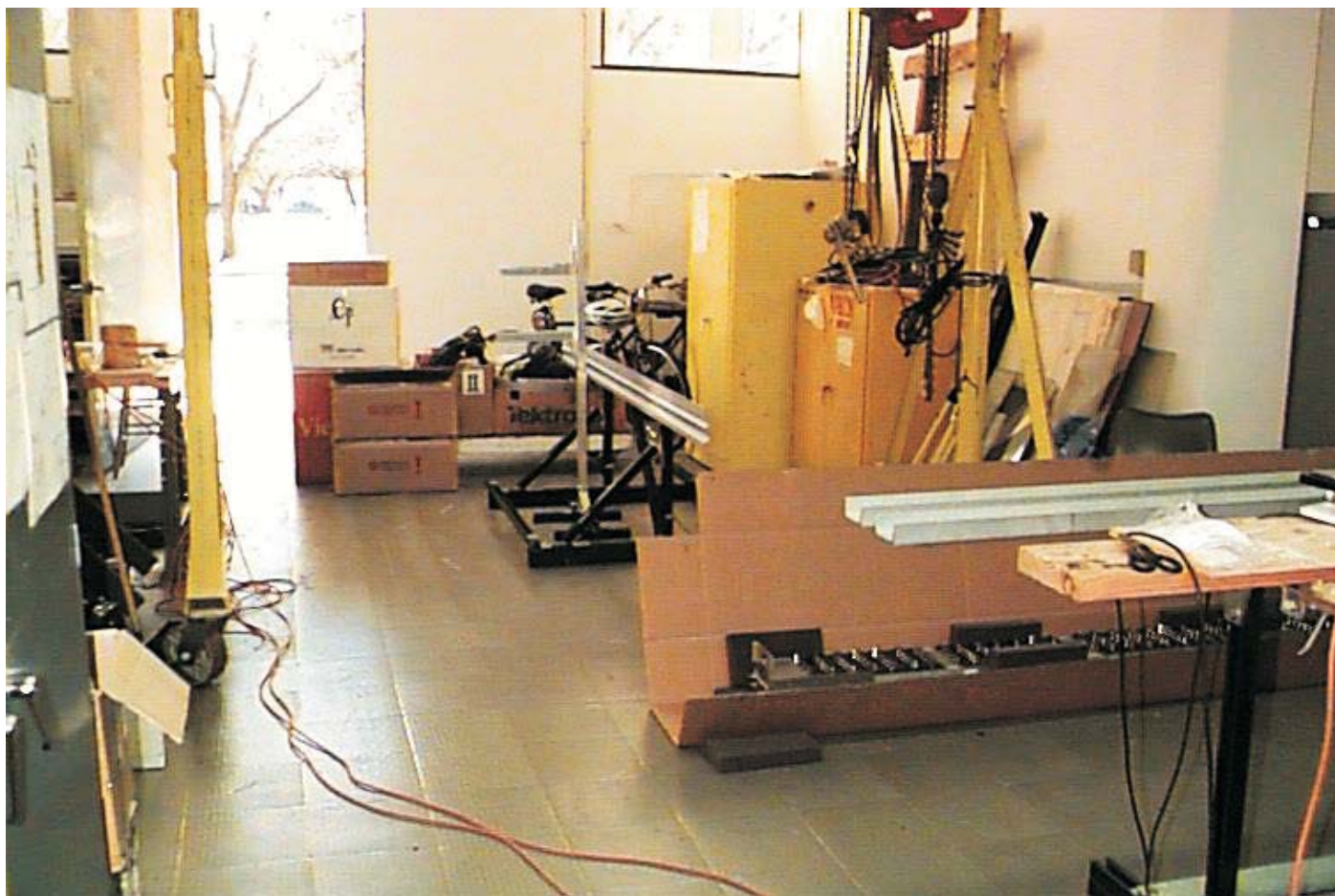
TOFr First Power-Up February 16-19, 2002



Stand to hold tray in test-beam setup



Packing Up....





TOFr tray Trigger Detectors Stand Cables *et al.*



March 14, 2002

