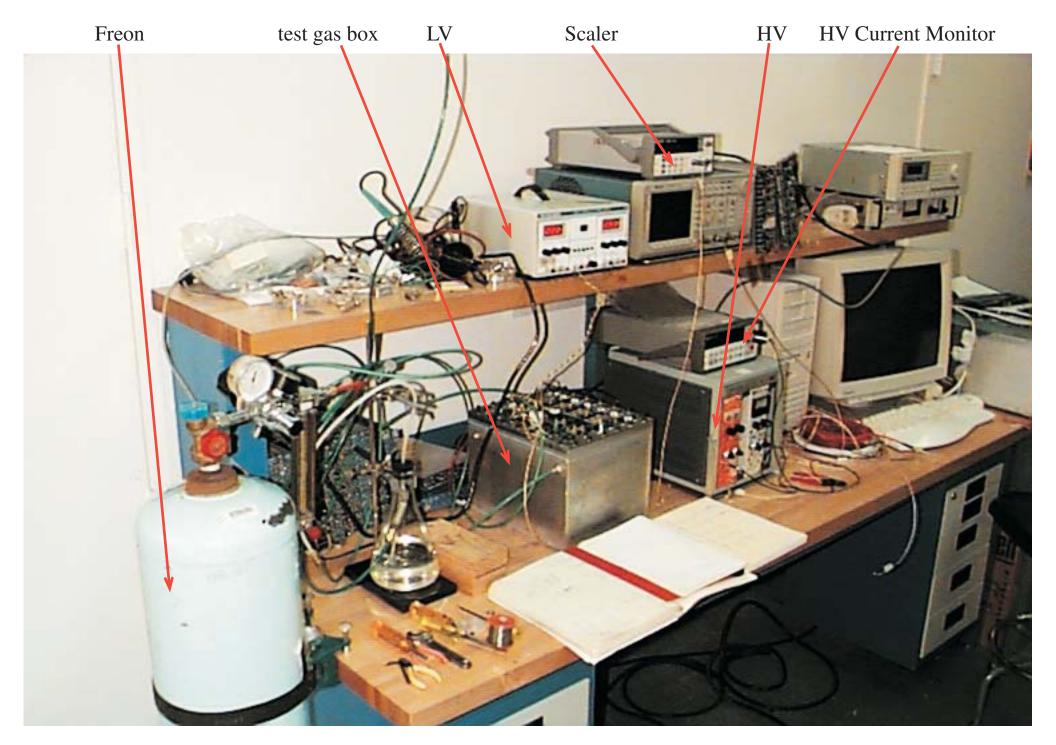
TOFr' Construction

October 2003 Houston, TX

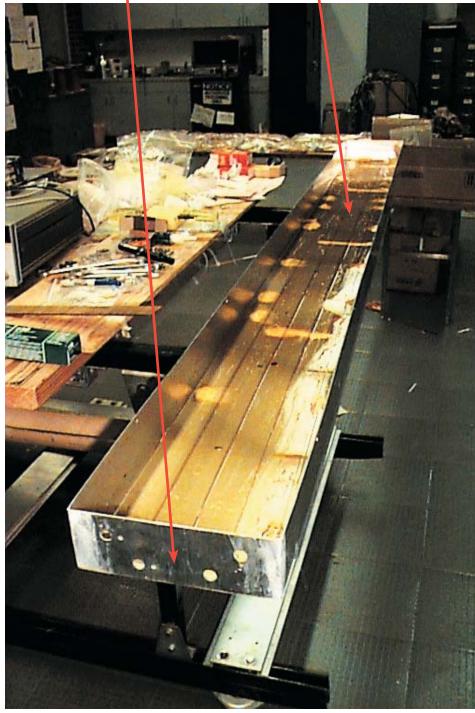
Test Setup...



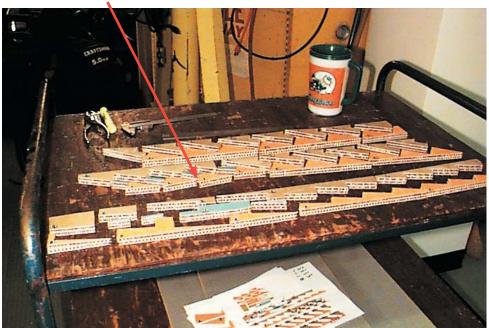
New "Shoe-Box" design

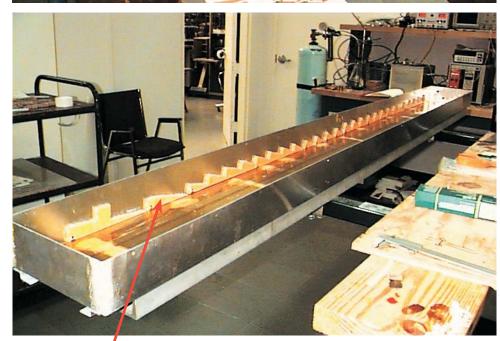


Gas and HV feedthroughs Kapton

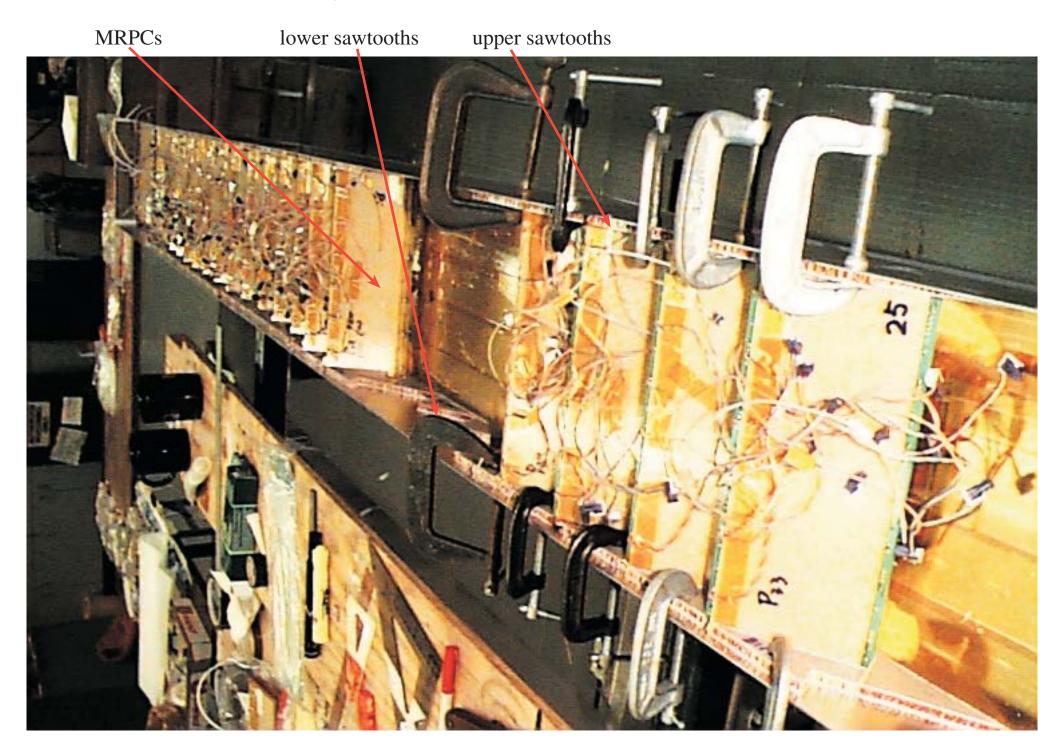


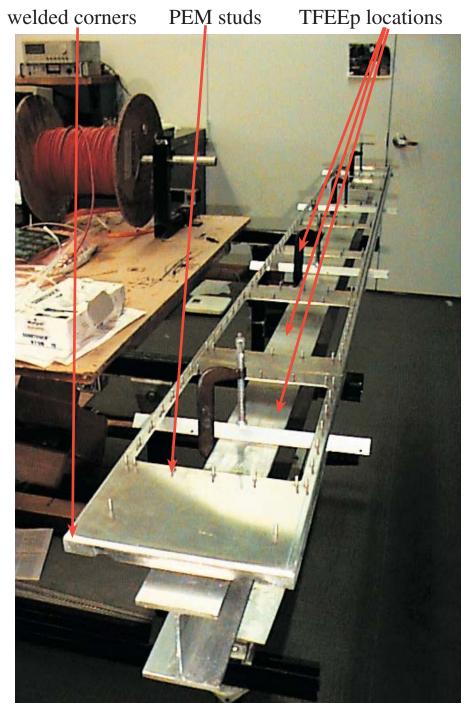
all sawtooths



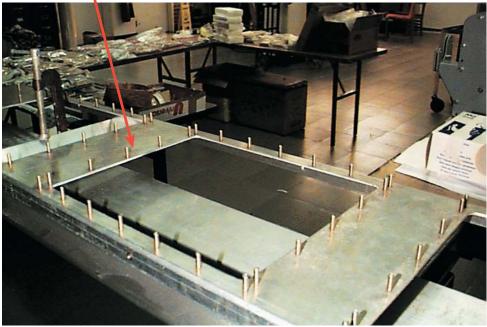


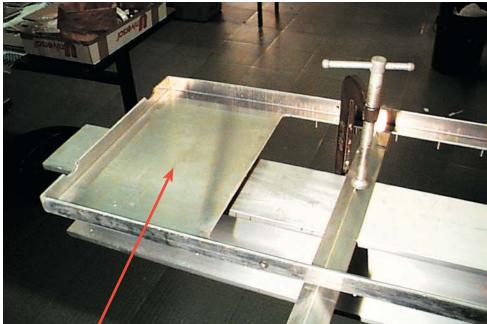
all lower sawtooths installed





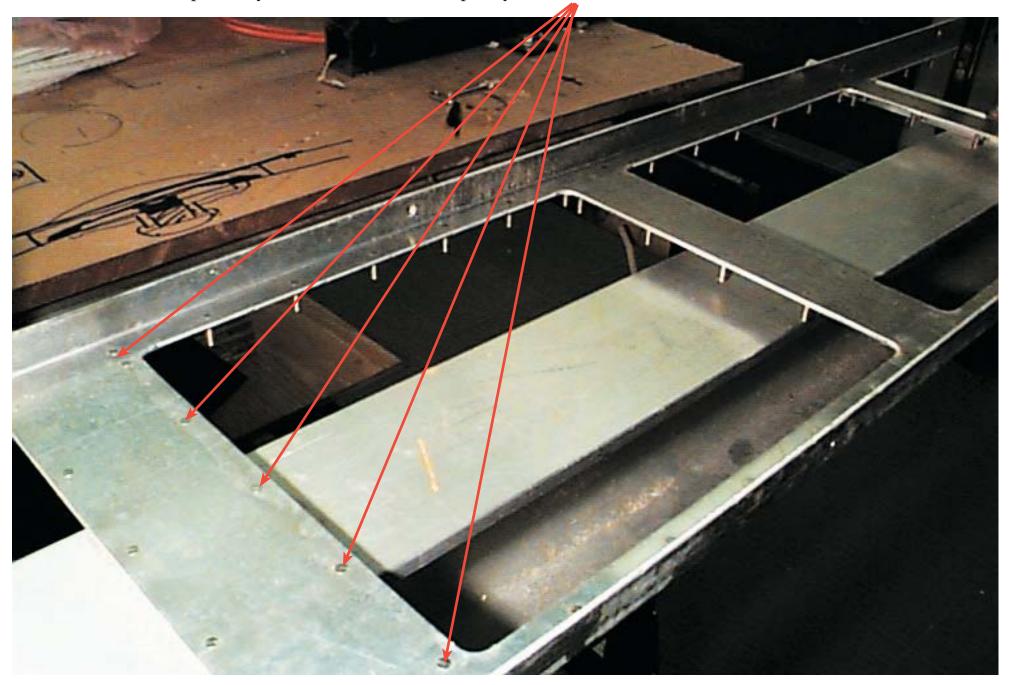
top side of top

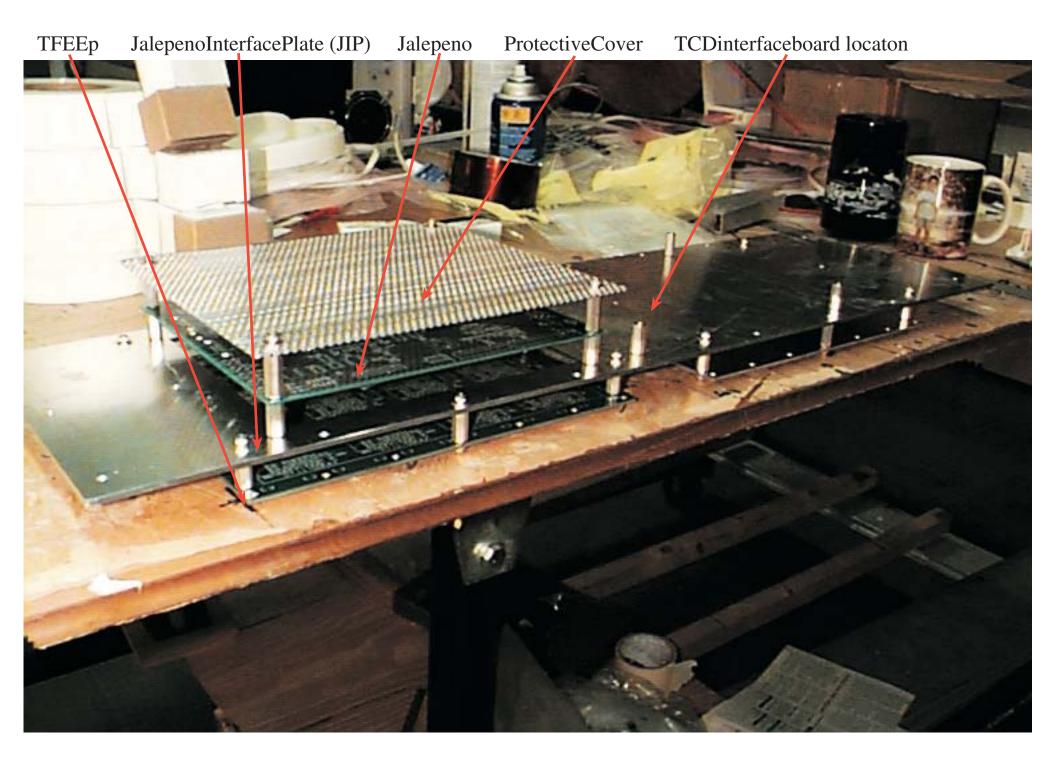




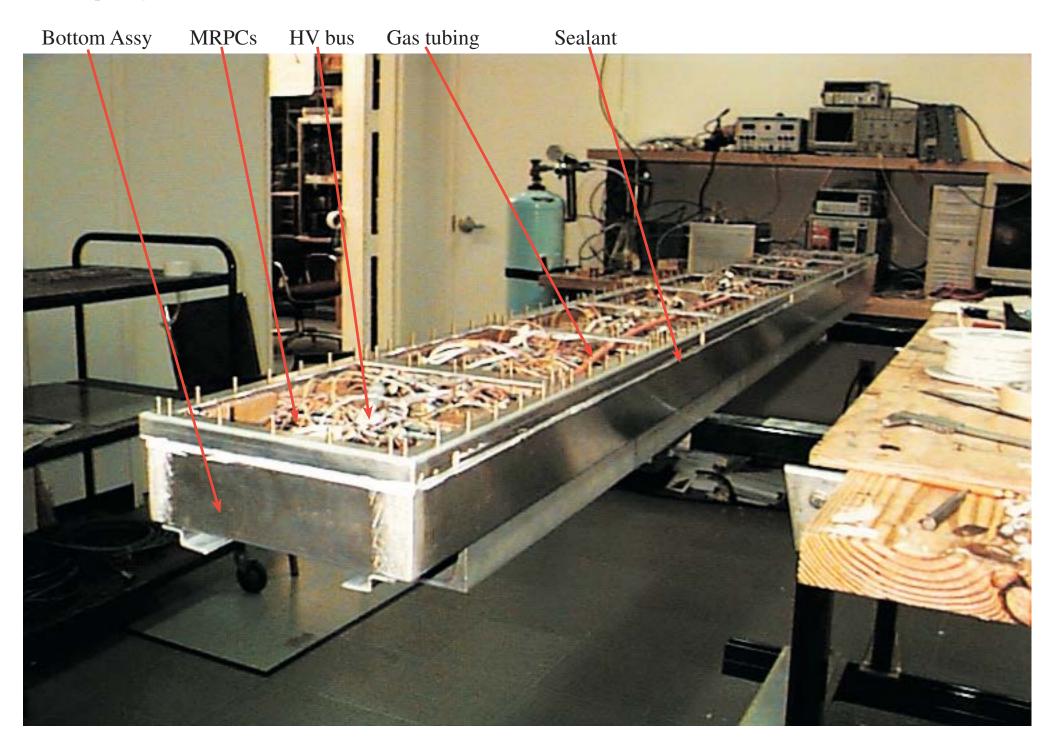
bottom side of top

PEM studs are perfectly flush - underside of top assy is smooth metal...

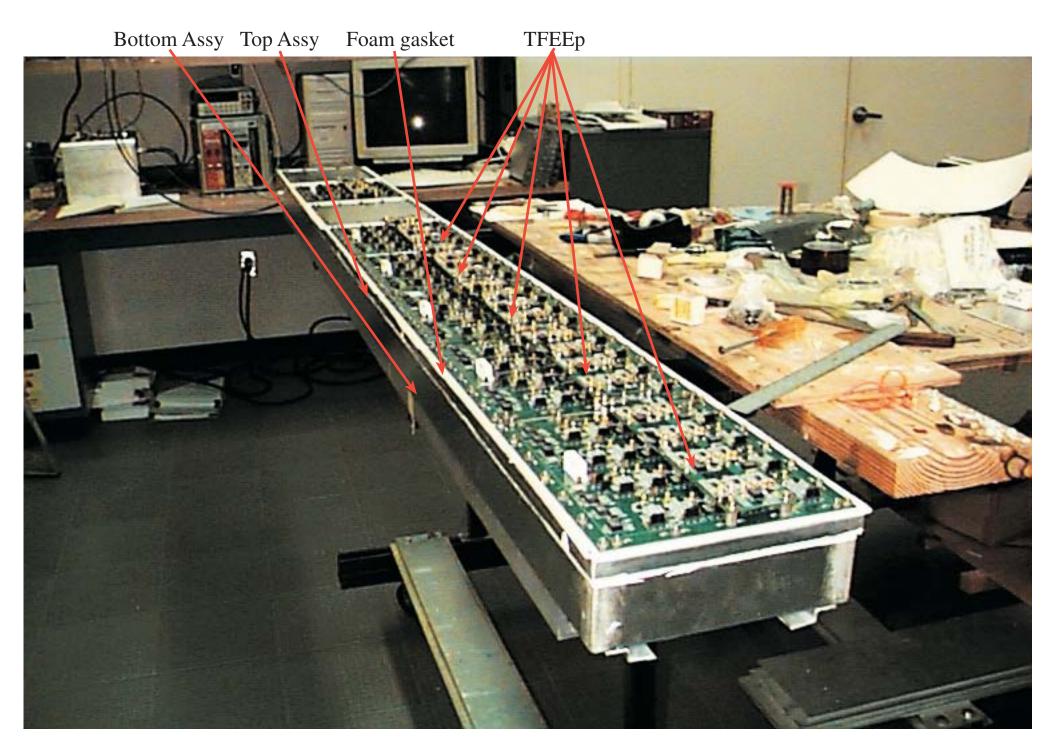




Final Top Assy Installation



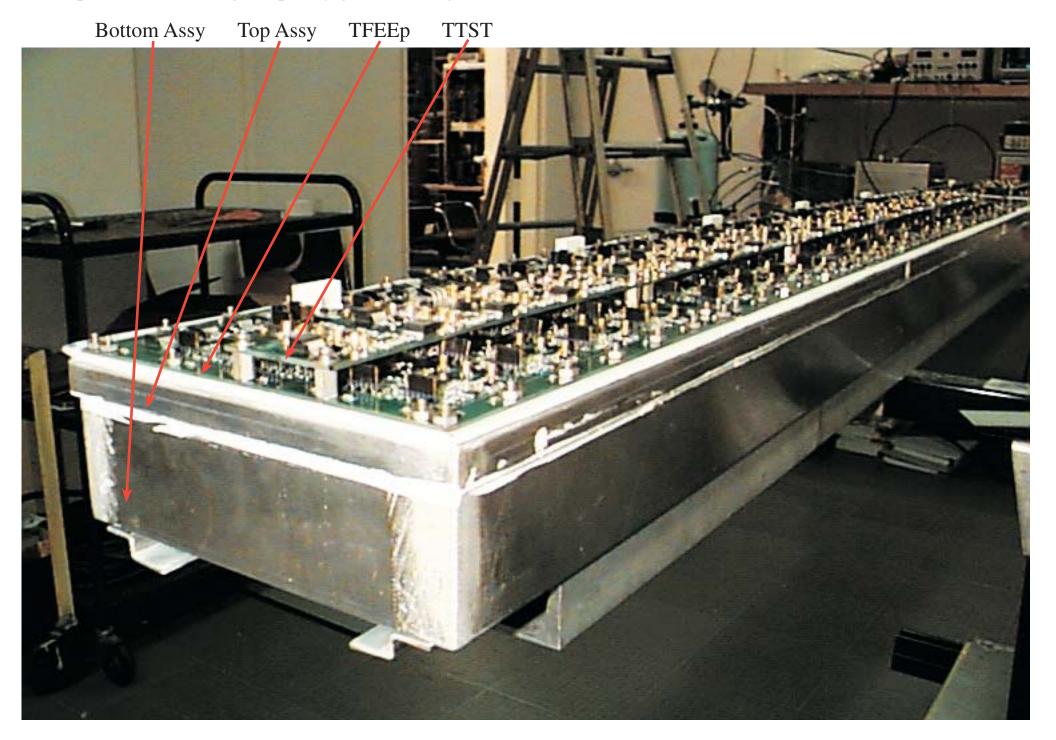
Temporary Box Sealing (using HD polyethylene foam as gasketing)



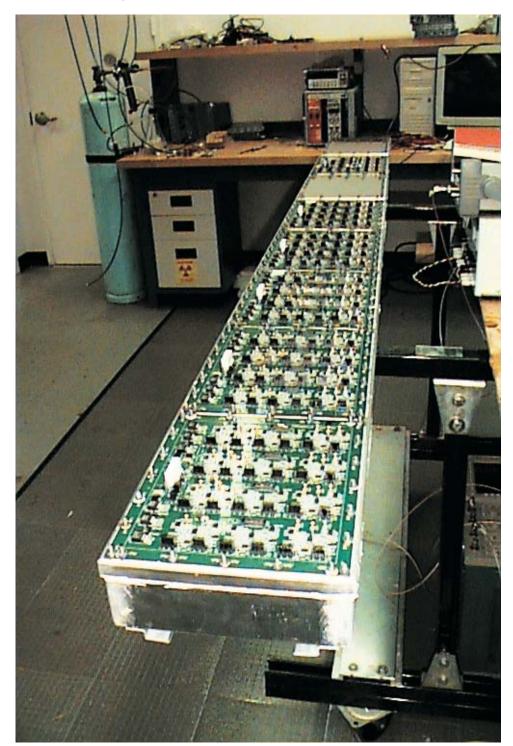
Flow Freon w/ temporary gaskets, to check if it can hold HV, also look for bad channels...

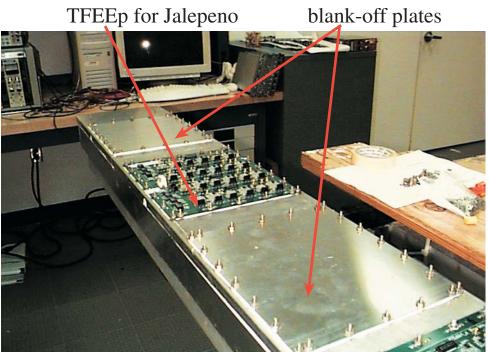


TFEEp and TTST during temporary gasket testing...



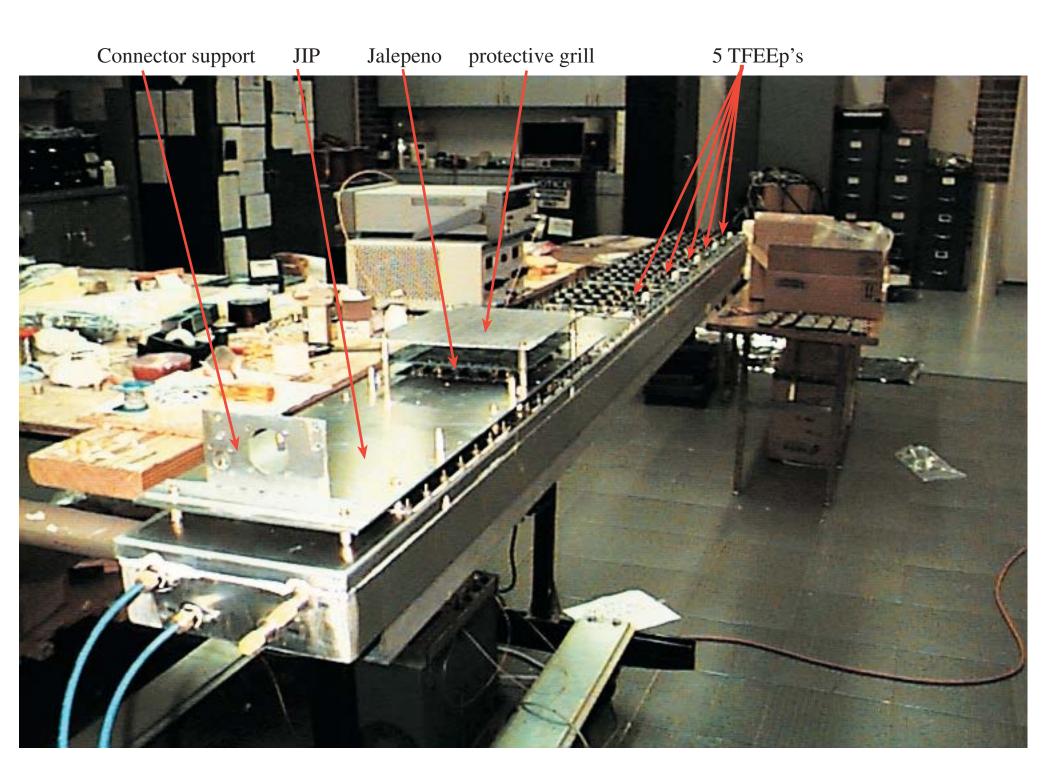
Final Sealing...





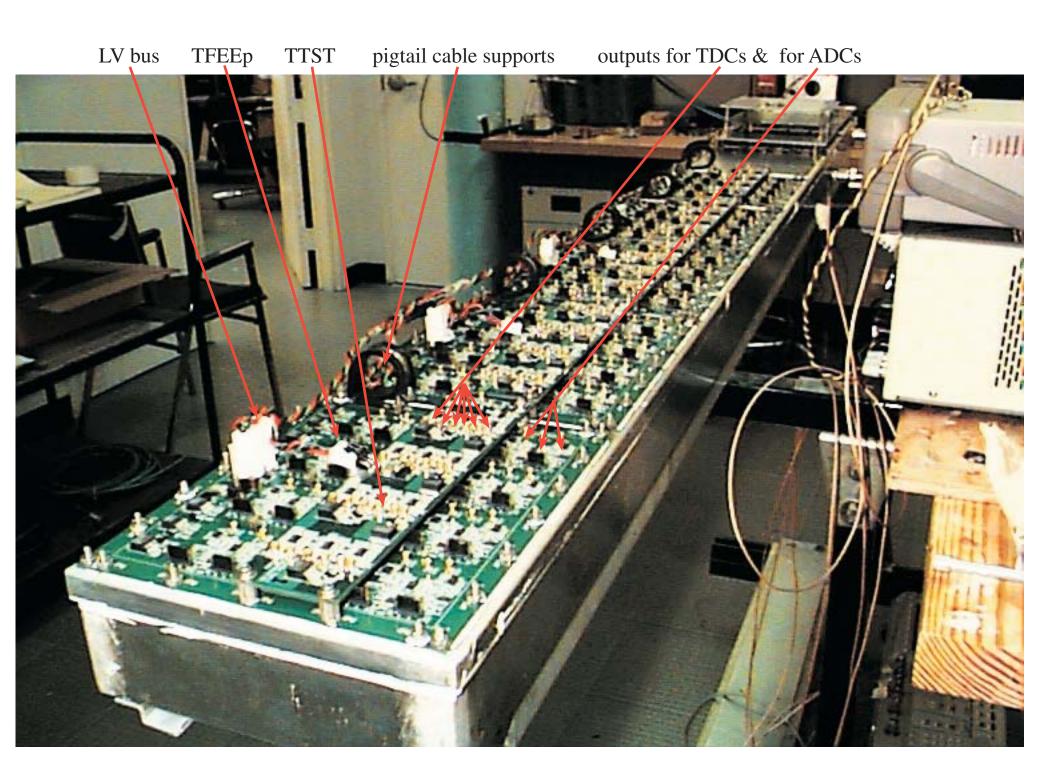


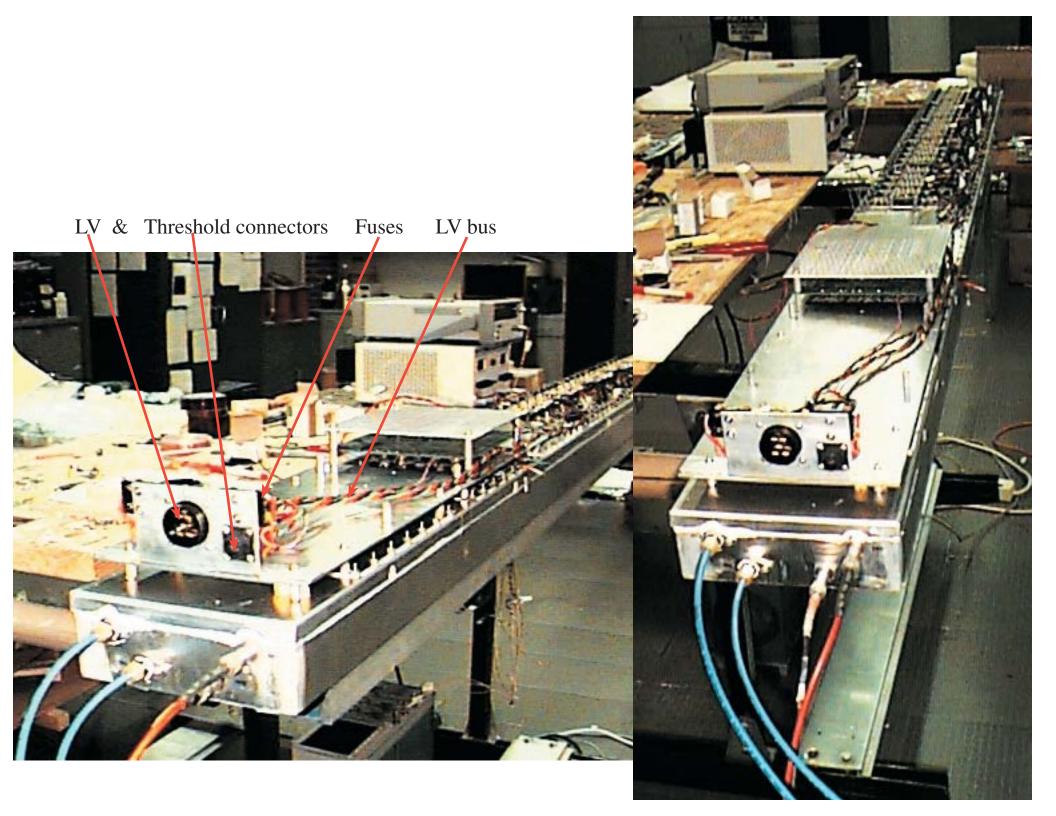
gas in/out HV +/-



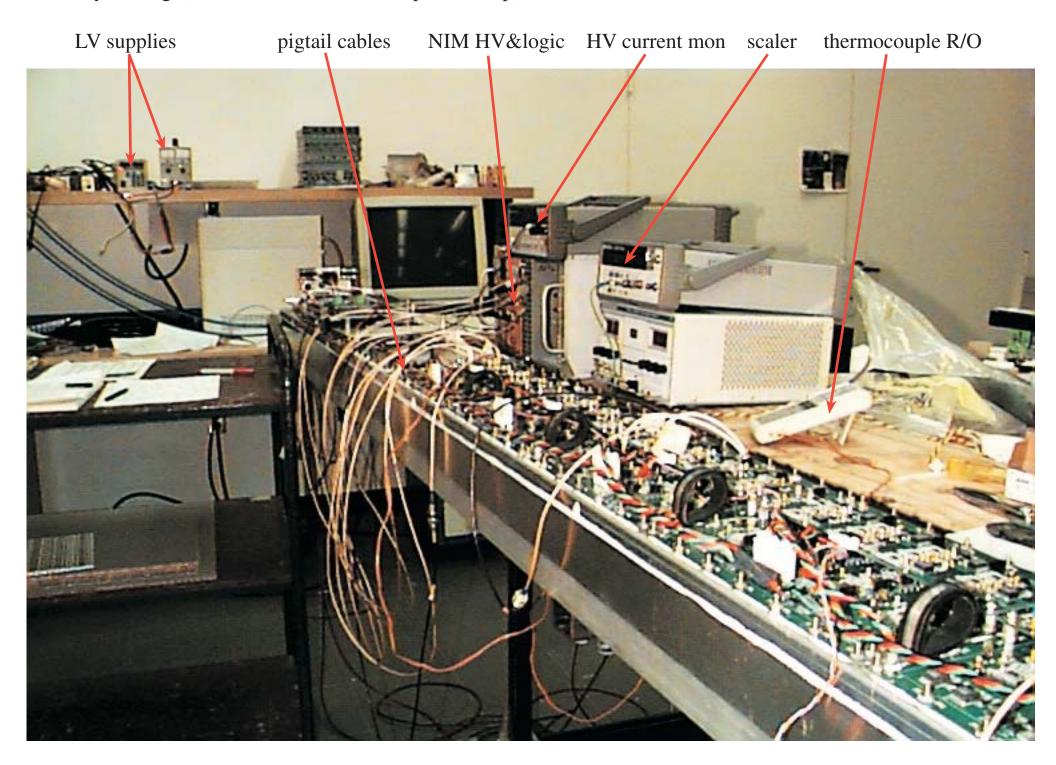
blank-off plates

Start signal for Jalepeno Jalepeno stop inputs Connectors Fuses TCDinterfaceBoard LV for JIP LV Jalepeno bus

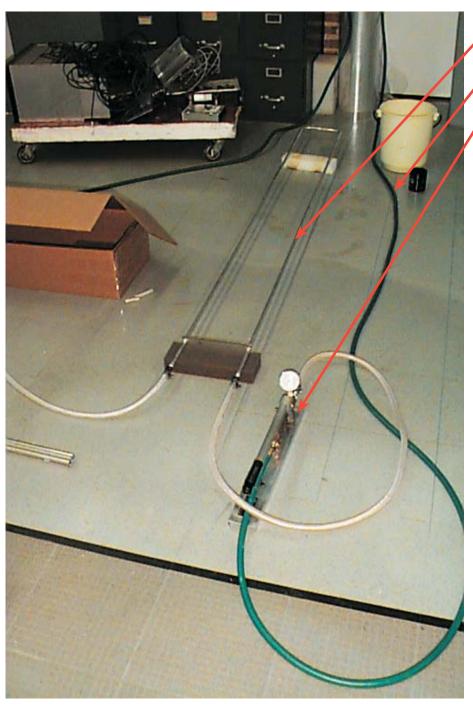




Full-Tray Testing (i.e. all TFEE and MRPCs powered up)

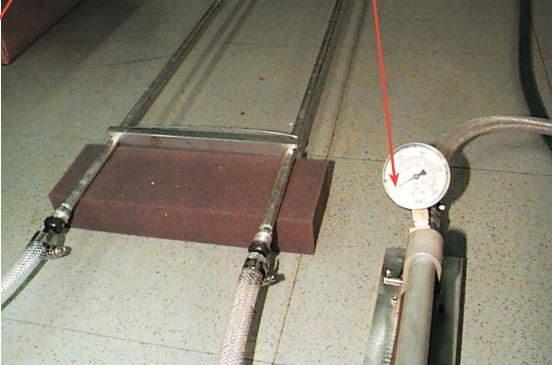


Cooling loop pressure test

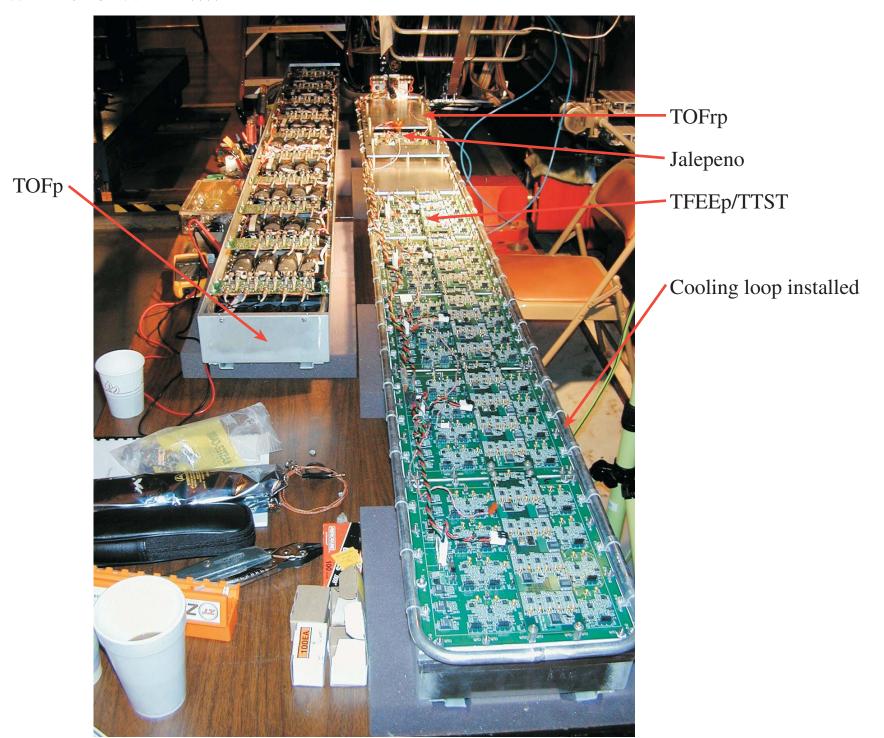


/ Cooling loop
/ water in
/ pump/gauge

...holding 200psi

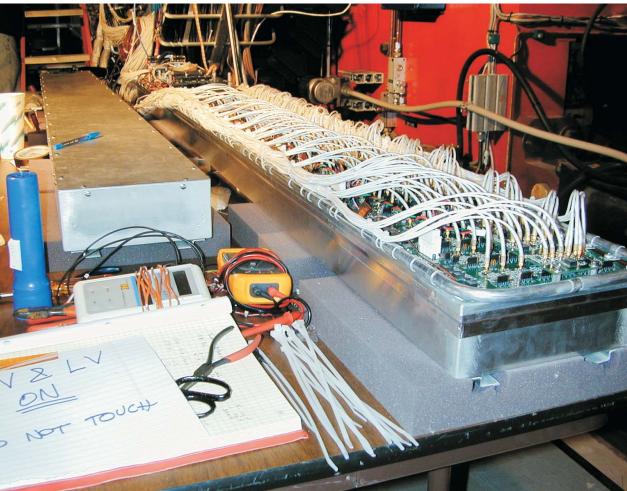


...Now in the WAH....



Pigtails installed...



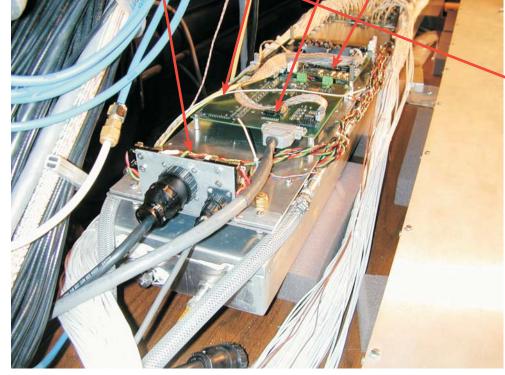


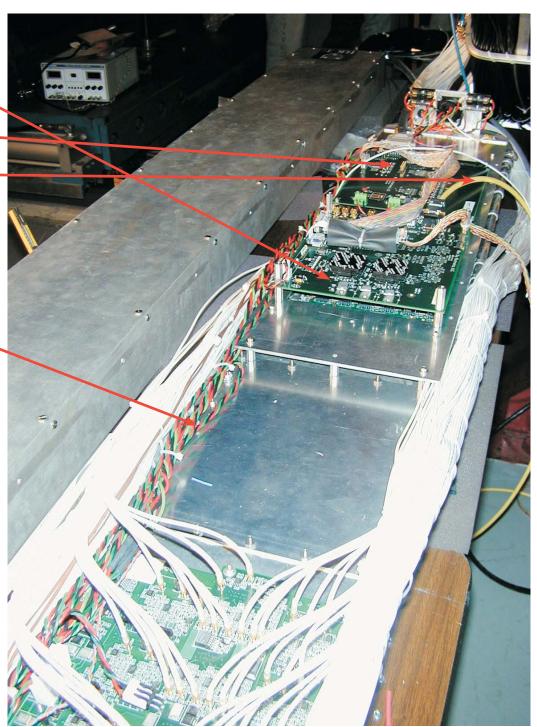
Jalepeno

TCD interface board

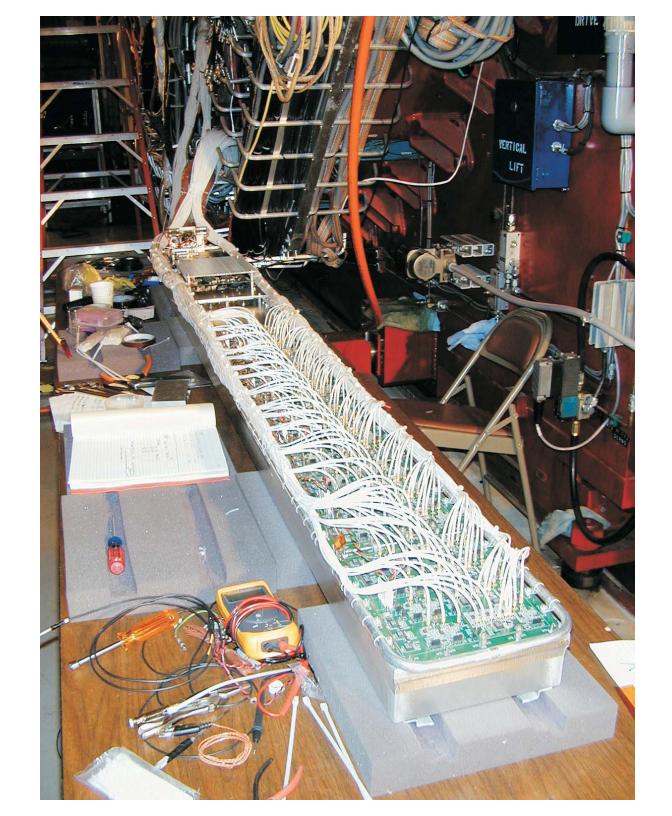
CANBUS (data out)

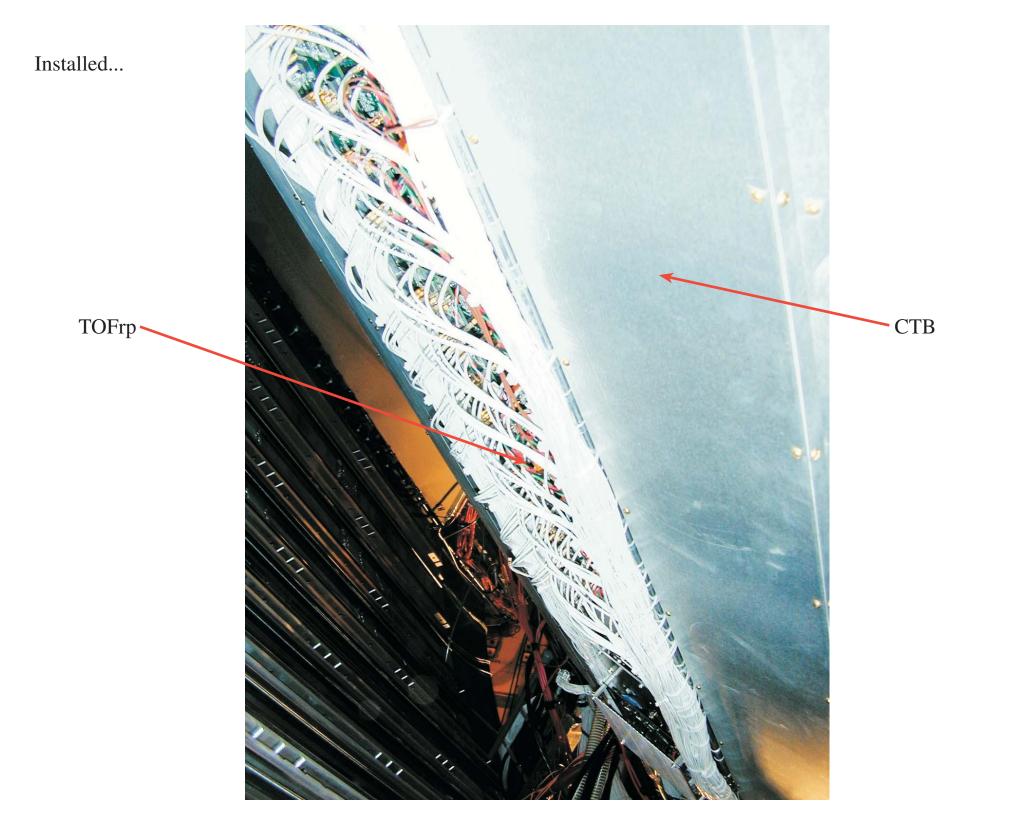
new LV bus

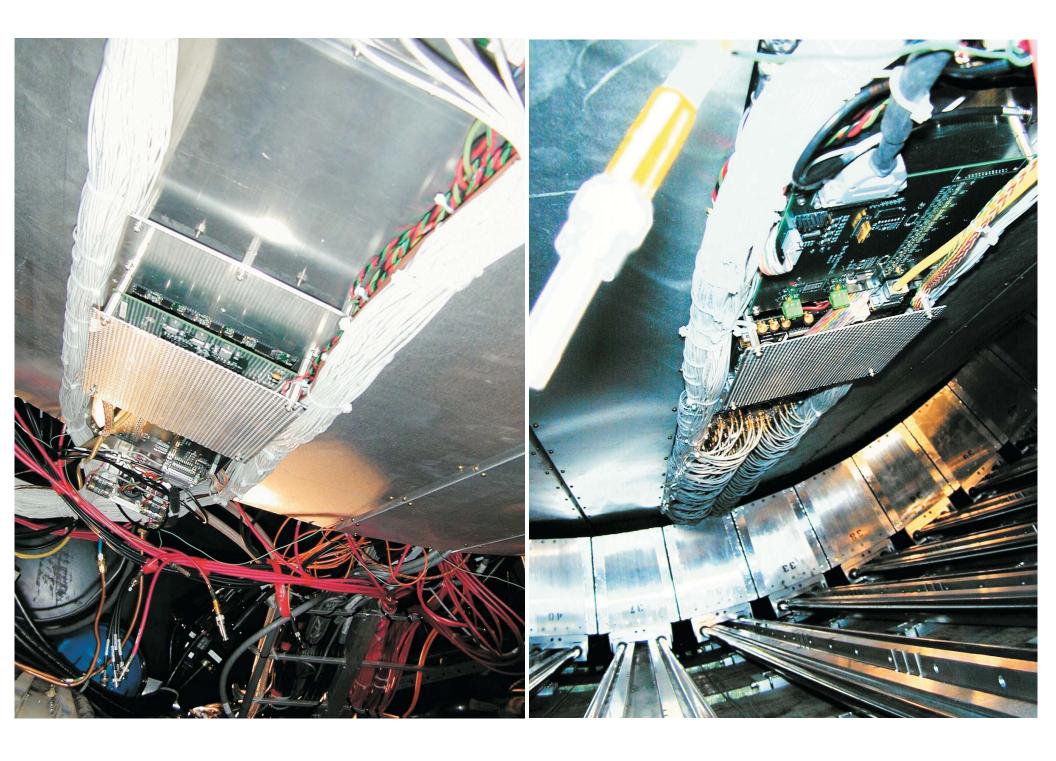


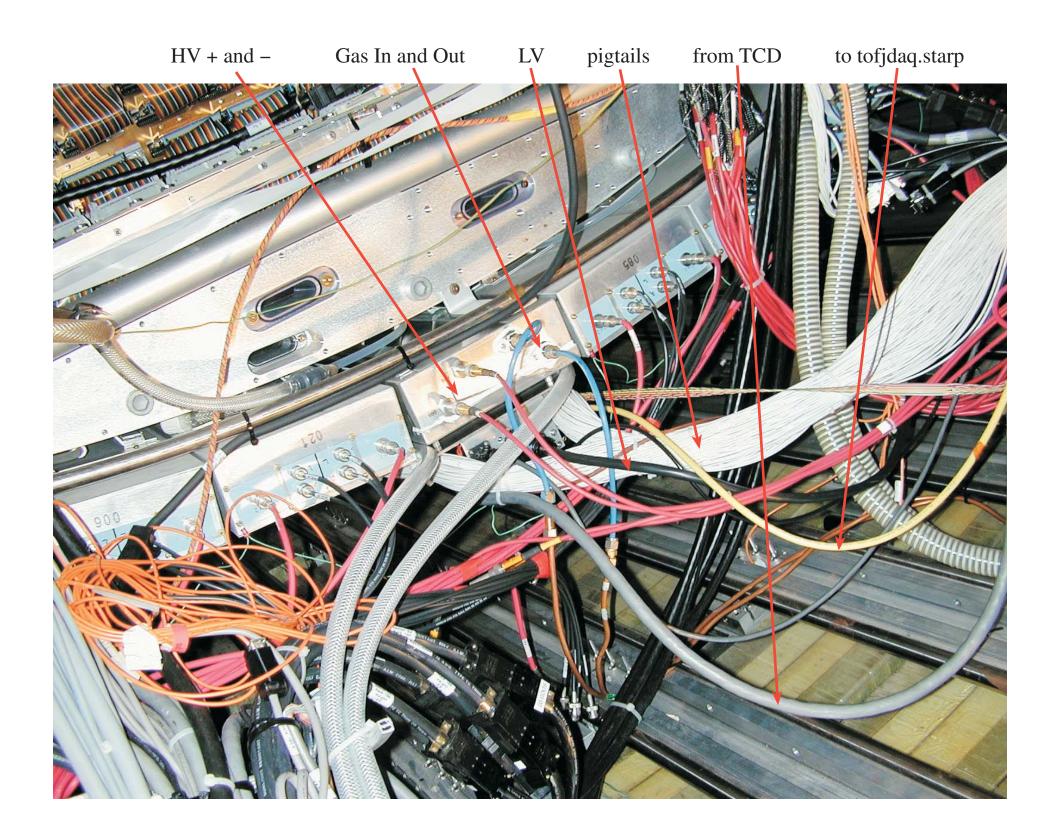


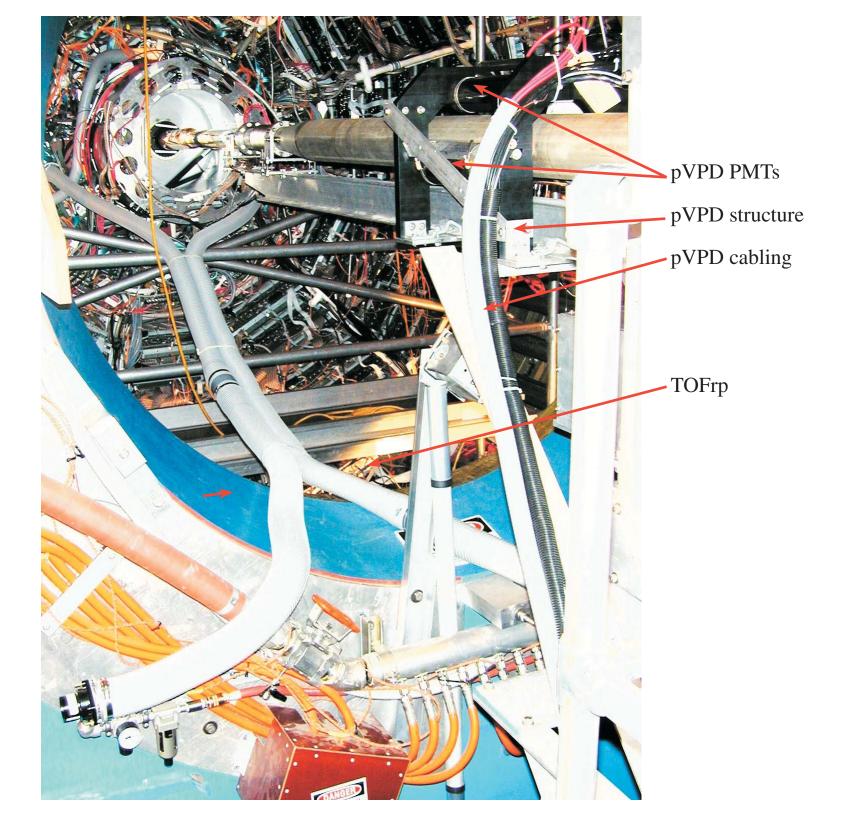
Ready for installation....











TOFp Racks (1B1 & 2)

TOFp Thermocouples

TOFp HVSys

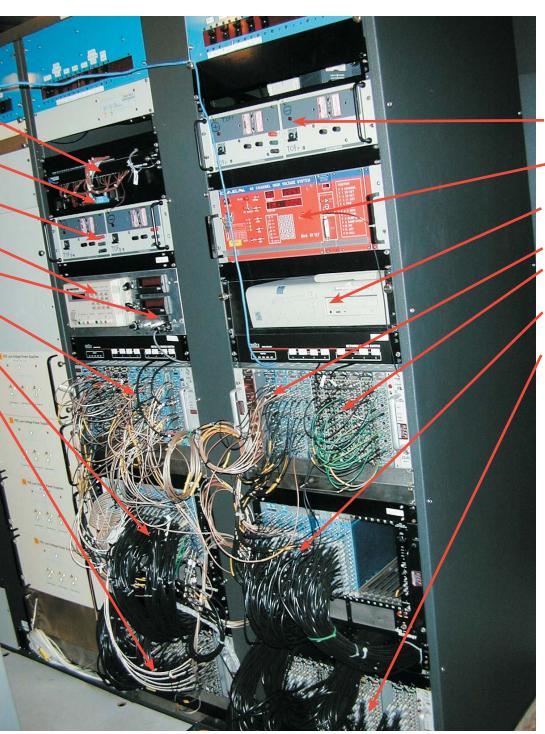
TOFp LV

pVPD LV Threshold System

TOFp Local Trigger

TOFp/pVPD digitization

TOFp/pVPD discriminators



TOFrp LV

-TOFrp HV

tofpdaq.starp

TOFrp starts/gates/clears
TOFrp trigger logic

TOFrp digitization

/TOFrp discriminators