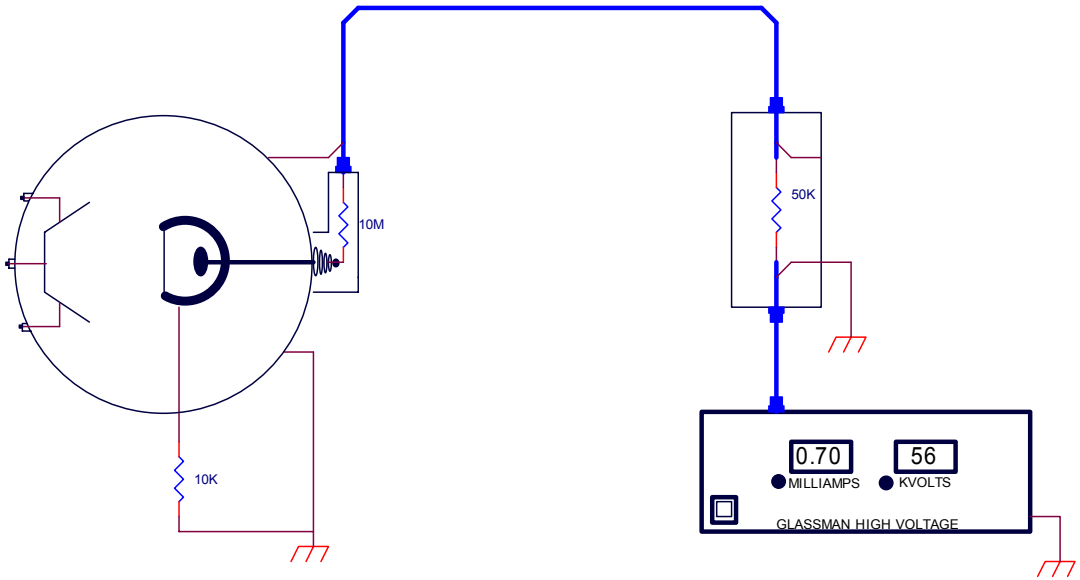
H20 Septum

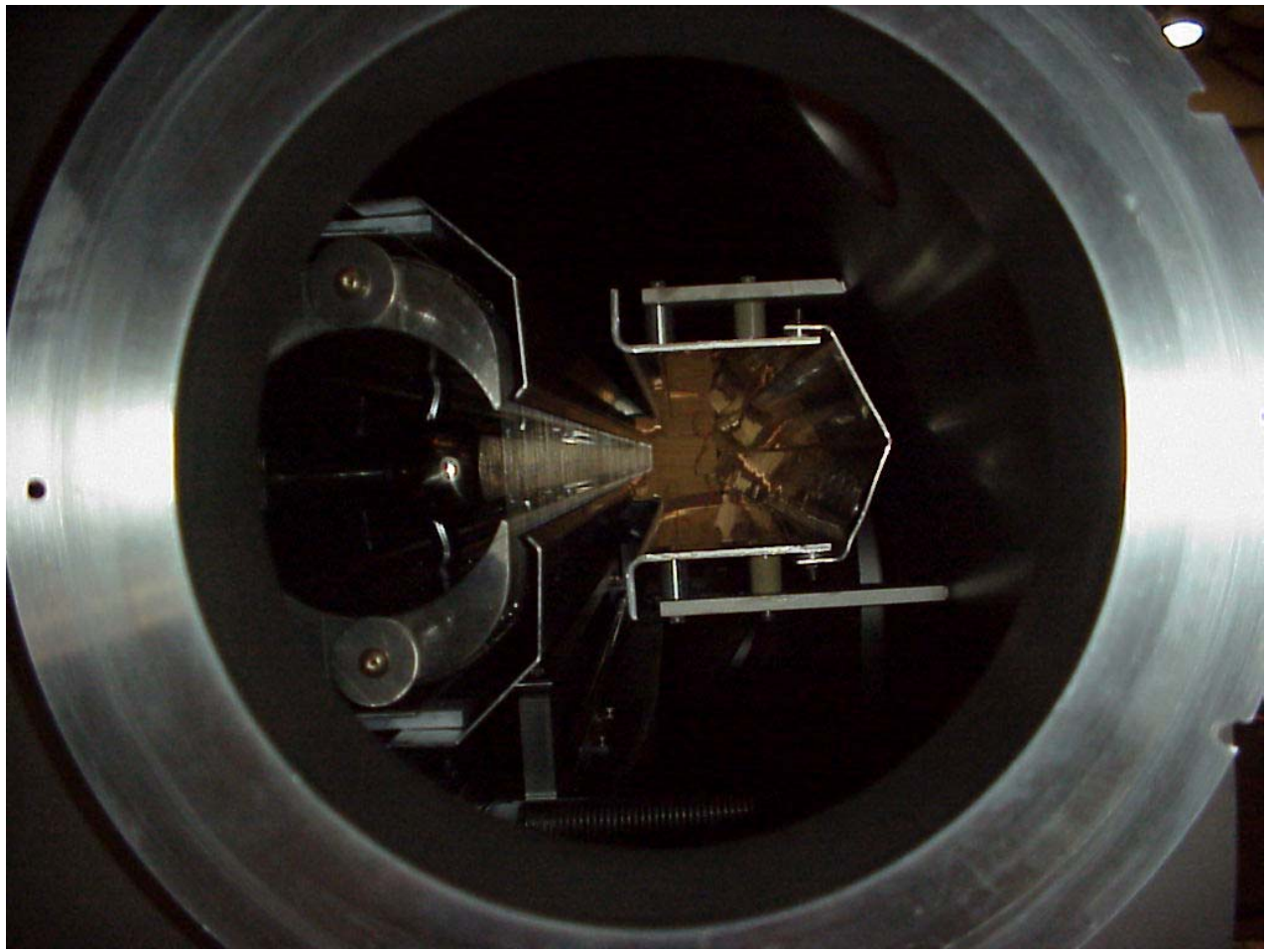


Electrical
Configuration

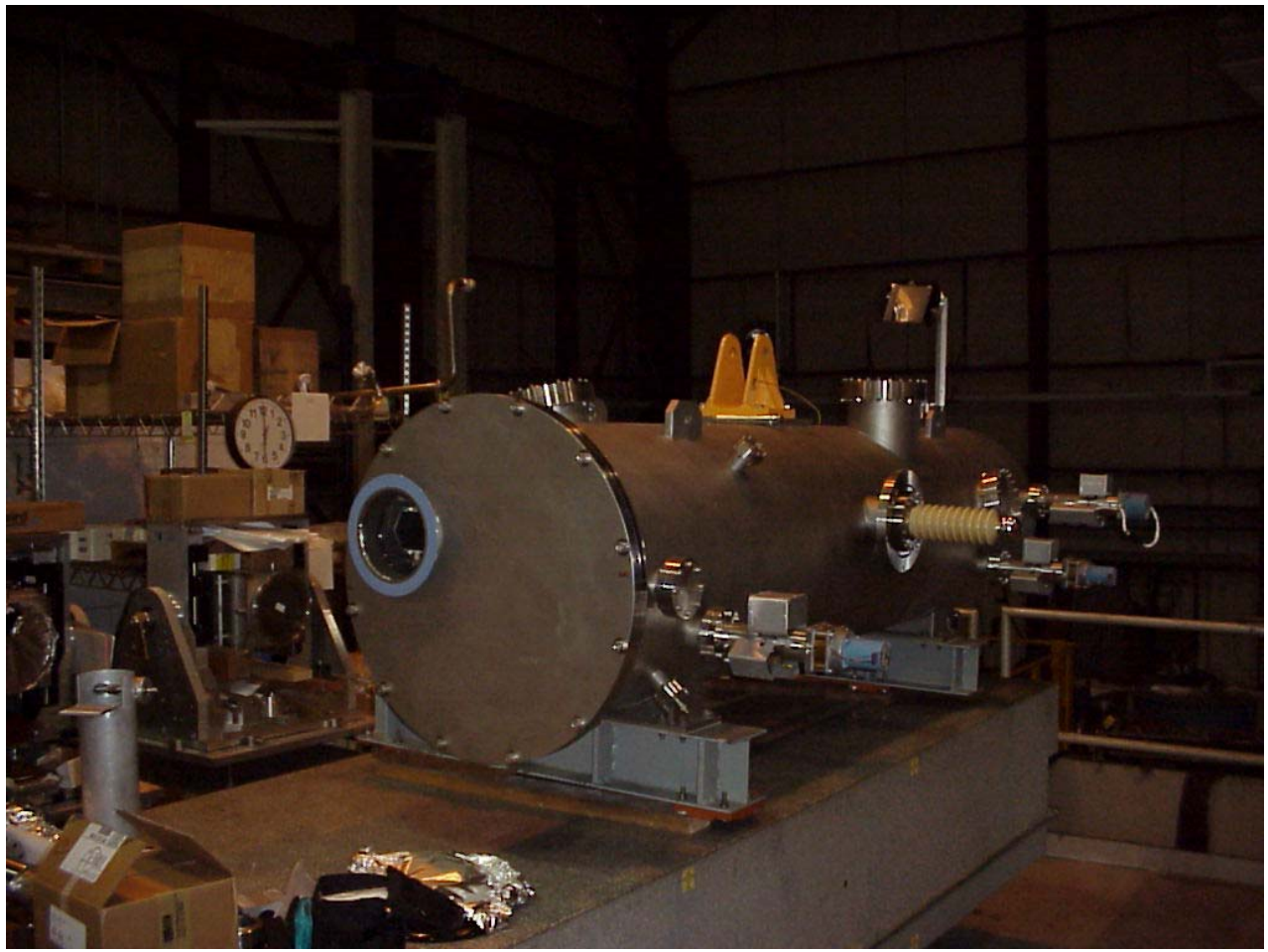
Parameters

- Power Supply Glassman 85 kV 350 uA (Modified for BNL)
- Regulation <.005% voltage
- Foil thickness .051 mm
- Foil Width 1.5 mm
- Foil Spacing 3.175 mm
- Number of foils 1000
- Gap = 1cm
- Length = 2.5 meter
- Operating voltage 56 kV
- Conditioning Voltage 64 kV
- Operating Vacuum 1x10^-8
- Cable stored energy 250 ft, 30pf/ft, 60 kV = 13.5 joules
- PS stored energy @ 85 kV = 1.5 joules

H20 Interior

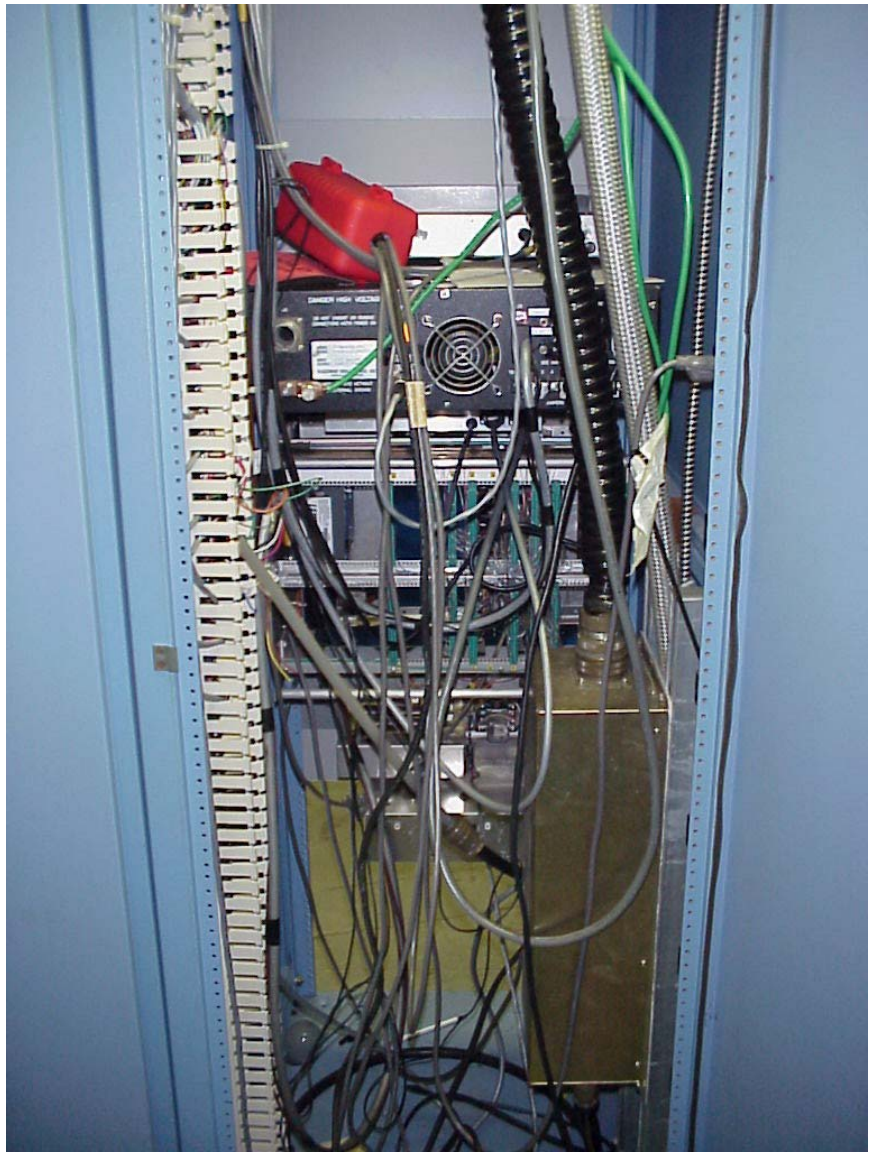


H20 Exterior

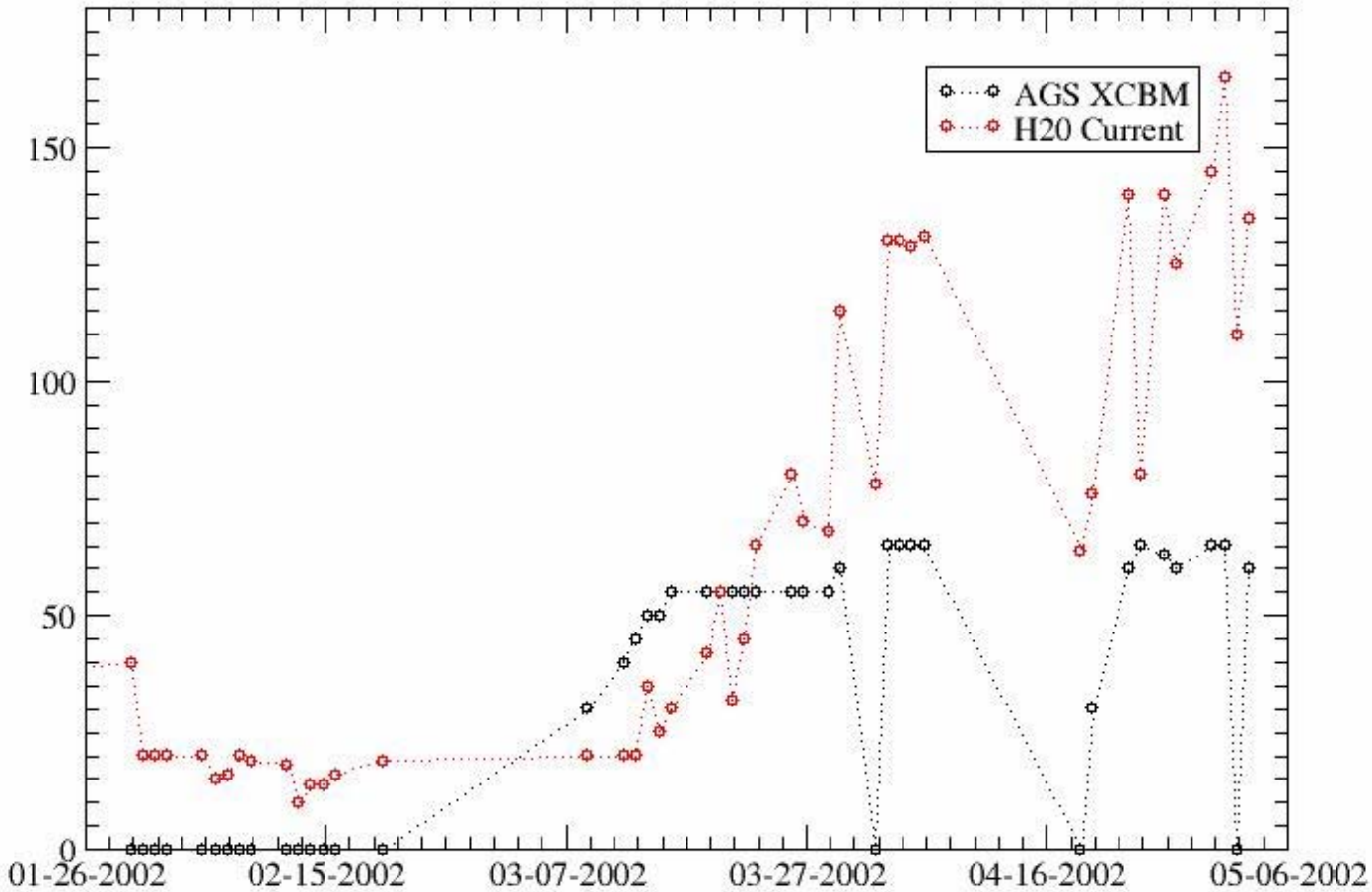


H20 Rack Front

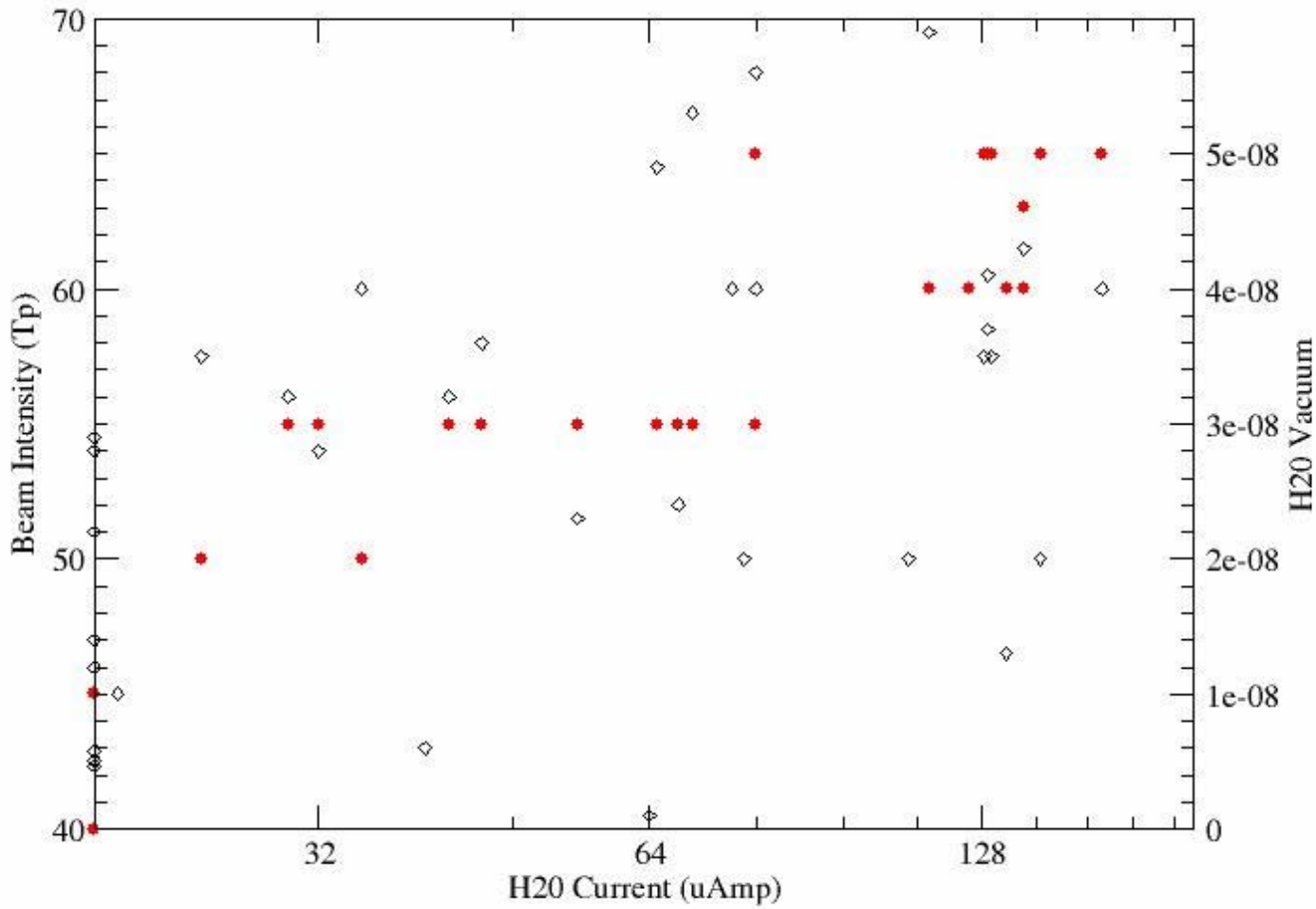
H20 Rack Rear



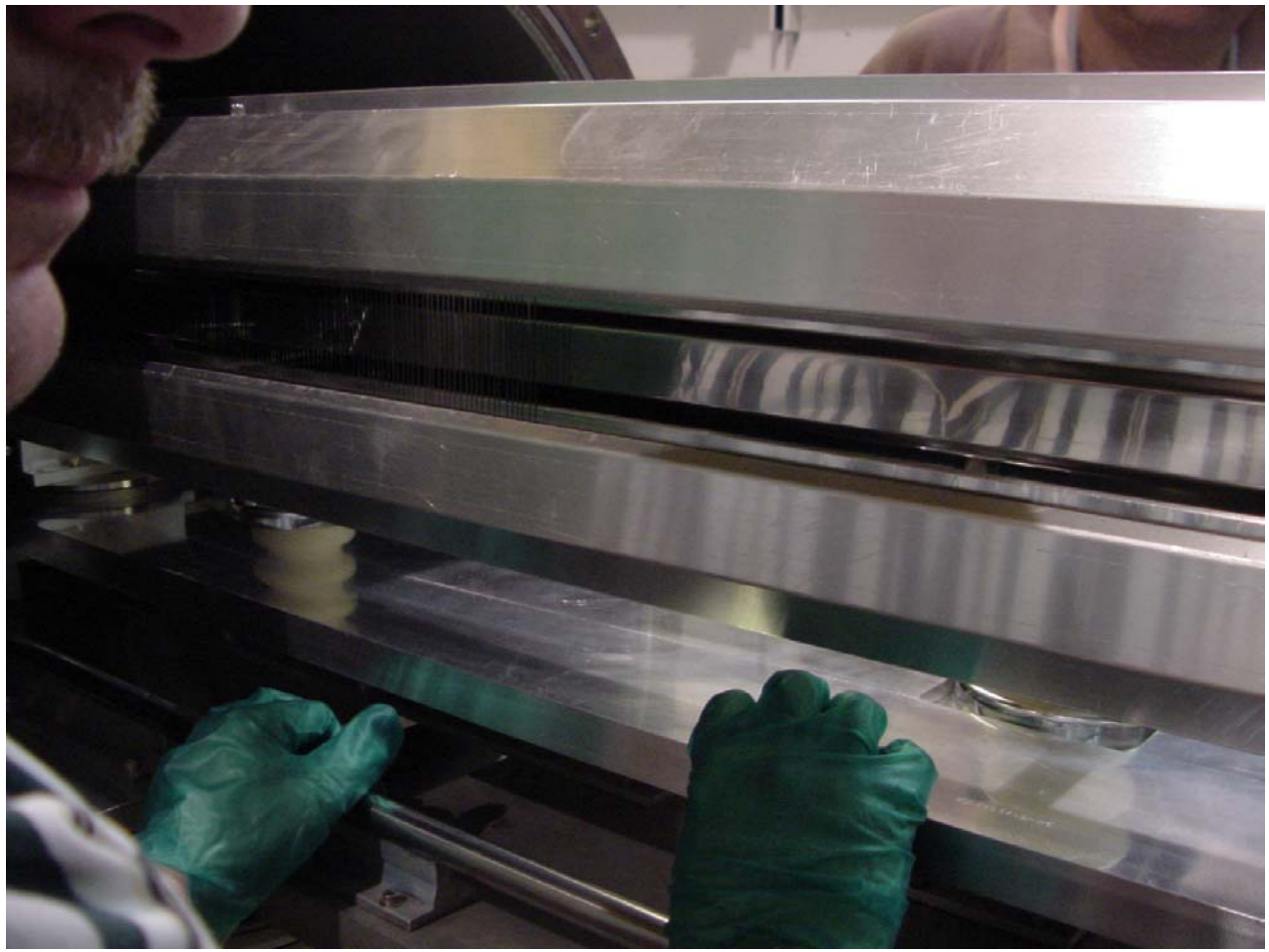
H20 Dark Current and XCBM vs Time



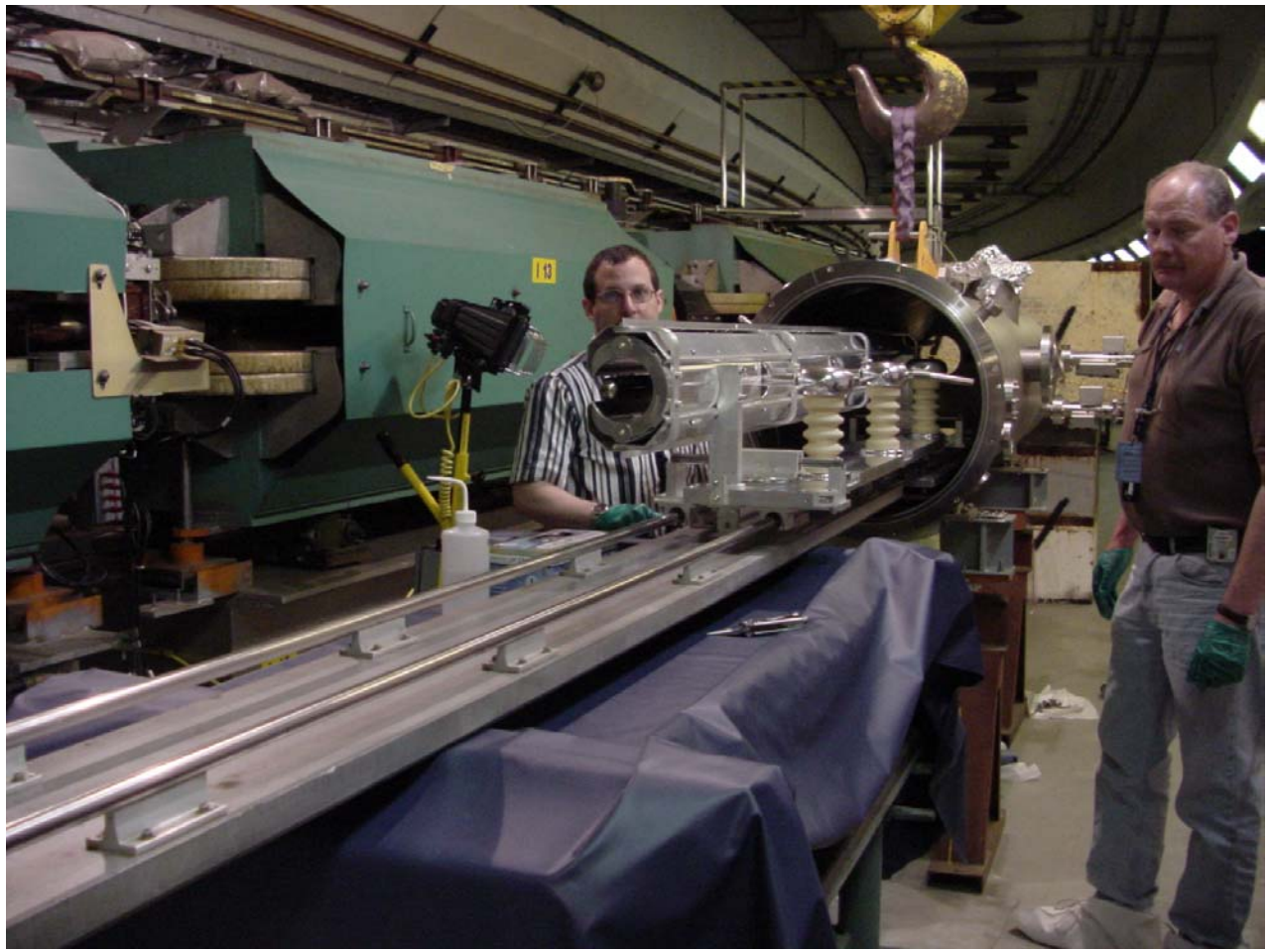
H20 Dark Current vs XCBM



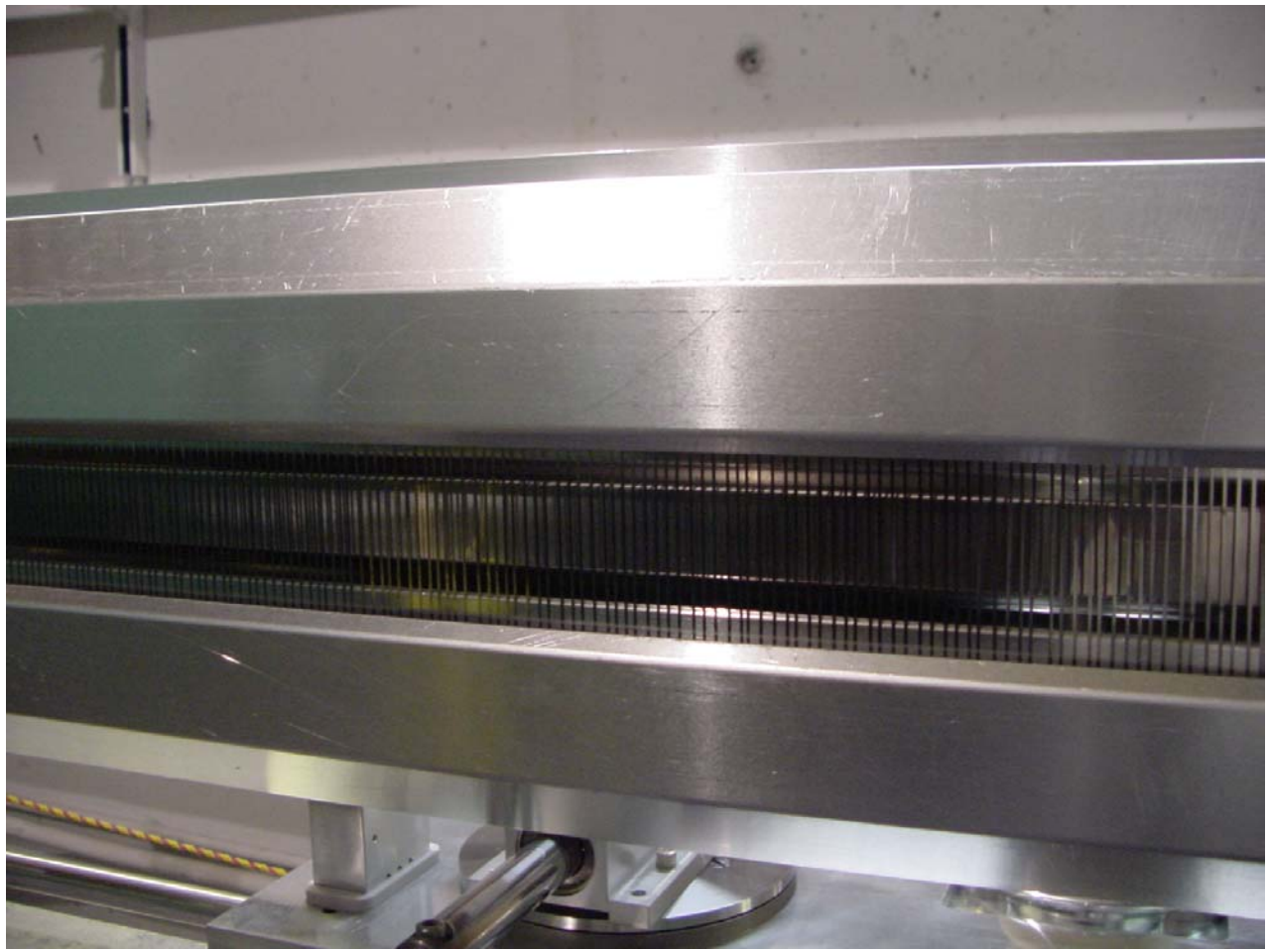
Damaged Septum



Repair in AGS



New foils

Foil Manufacture

Undamaged Portion