

# High Voltage

- *Procurement from CAEN*: Completed
- *HV testing at UMass*: Expect to have this completed by the end of May, excluding modules that may need to be returned to Caen
- *Shipments to JLab to date*:
  - 1 mainframe
  - 10 HV modules
  - 4 HV cables

We plan to ship all of the HV to JLab very soon to facilitate realistic testing of the HV control software.

- *HV cables completed*: 22 of 38 required
- *HV pigtails completed*: 4
- *HV control software*: See the talk by Eric Clinton at tomorrow's Software Workshop

# Veto Counters

- *Major procurement:* Completed. The 13 scintillators, 26 PMTs and 26 base/housings are at JLab.
- *Test mount of a PMT in housing, and then mounting the assembly onto the scintillator light pipe:* This was successful
- *Assembly:* Planning to wrap the scintillators with Tyvek grade B1060, uncoated, and two layers of 25  $\mu\text{m}$  black Tedlar. We need to order the Tyvek from Dupont.
- *Assembly schedule:* Probably get started 2<sup>nd</sup> week of June. Two undergraduates, Eric Clinton, and myself will be involved in this.
- *Veto counter specific electronics:*
  - Programmable CAMAC discriminator: to be borrowed from JLab.
  - PMT preamplifier: purchase from Phillips
  - HV cable (multi-pin to SHV): We have to make this.

# Targets

- Need to machine the carbon target
- Target scanner:

Problems with ADC stability  
and time stability

Fixed cabling problem, and  
expect that this will fix the ADC  
problem.

Installed crystal oscillator to use  
as time reference (25 ppm  
stability)

Need to continue testing the  
system

Target work should be  
completed by the end of summer

# Software for the Veto Counter

*Software for the veto counter isn't going to be a show stopper for Primex, nevertheless there are software projects that need attention.*

1. ADC and TDC readout on each PMT.
2. Analysis software:
  - a. Time walk correction
  - b. Position of hit along scintillator
  - c. Event display?
3. Geant model for the veto counters needs to be written.