Hall A Cryotarget Software

- EPICS Device Drivers
- EPICS Database
- GUI
- Data Logging
- Interface to CODA Fast Data Aquisition
- Emergency Response

Software Jobs

1. Port Software from Hall C
   - (JT,KM,FD) port Hall C codes to Hall A directories
   - (JT,KM,FD) prefix unique hall A names to database records: "EA"
   - (FD) finite State Machines
     - new names in Finite State Machines.
   - (FD) upgrade GUI to Hall A configuration
   - (FD) wish-ca for Hall A.
2. New Software
   (a) driver for pump motor frequency controller
   (b) Upgrade to bigger IOC following Hall C's lead
   (c) Deal with problem of DAC being reset to zero when IOC reboots
   (d) get digital I/O working
   (e) add new itc501, sc200
      - low level drivers
      - database entries
      - GUI display
   (f) interface to Hall A CODA.
   (g) Signals from CHL/ESR
   (h) Decide on data logging scheme — follow Hall C or go with EPICS Archiver?
   (i) PID control of JT Valves to replace the Hall C "Slam Shut" routine
3. Port Tcl/Tk and GUI onto Linux PC