John’s stuff:

Laser related

* Seed laser (same as used as CEBAF), used in manual mode at UITF, don’t need laser freek at UITF
* Preamps, driver on the same seed board, but we don’t need or use a preamp at UITF and…
* Fiber amp, we use the Keopsys amp which is happy with low input power, also manual control, which is fine
* Frequency doubler, all commercial, no EPICS control at UITF, manual adjust
* Attenuator, STAC5, working well throughout UITF. WE do not use STAC5 at CEBAF except for Mott target ladder
* STAC5, x/y stage, attenuator and chopper slit (Scott can talk to all motors. John is only STAC5 guy at JLab, e.g, setting IP addresses…
* x/y stepper motors lens mover
* Power meter servo, with homemade board “quad servo driver”. Microcontroller board, used at CEBAF too, one spare. A new board could be developed by EES, digital I/O board, high and low pulsar board, model airplane servos reads pulses
* Other servos? no
* Pockel cell HV, building it now. KD\*P, new electronic switch that could replace the CEBAF style opto driver
* Tune mode generator: recently redesigned, no microcontrollers now. solenoid to move waveplate in/out, ….well documented, used at CEBAF too
* Macropulse chassis, or Laser interface box (i.e., interface to PSS and tune mode generator). Same as the box used at CEBAF, don’t know about GTS
* Laser interlock in the laser room, how to open the box?
* Aligning the laser inside the cave, alignment mode: lid opens, shutter closes. TO provide beam, read the LOSP.

High Voltage related

* Glassman HV supply, needed modification per SSG, same as CEBAF, well documented
* HV interface box: interface between EPICs to start and STOP, the DAC cards to set and read voltage via Keithley voltmeters, voltage, relays for PSS,
* SF6 system, including DILO. How’s our inventory? Carlos and Bubba to check each location CEBAF, LERF vault, GTS, and UITF
* QE scan HV remote bias, a type of servo….only at CEBAF, could be used at UITF (and GTS)
* Wein HV system, Matsusada supplies eventually used at CEBAF. Just talk to them via RS232

Vacuum

* UHV supplies, who to own this design?
* EES built all our MPS stuff at UITF