

Projects for Students, Summer 2023

FCAL2 Installation

- Expected dates of visiting JLab: May 15 – August 15, 2023
- FCAL2 installation milestones relevant to students
 - Disassemble FCAL2 modules: finish May 23, 2023
 - Install FCAL2 modules: start June 22, 2023
 - LG modules available for refurbishing: start May 1, 2023

Task	Number of students	Duration (month)
Label cables: low voltage (1600, dark room) high voltage (1600, dark room) signal (1600, dark room) signal, LV, HV (from crate to dark room) Prepare cables for installation (bundle) Check/ring cables	2	2.5
Connect (small) signal cables to patch panel (1600 cables)	2	1
Reconnect (label) FCAL LG cables to VXS	2	0.5
Assist with stacking the PbWO insert and LG blocks	2	2
Check dividers	2	2
Check PbWO modules before installing in the Hall <ul style="list-style-type: none"> - Prepare and move modules to Hall D - Visual inspection (fix brass assemblies, etc. if needed) - Check modules using LED 	3	3
Assist with visual inspection and fixing LG blocks (wrapping, etc.)	2	3
Assist with testing and preparing for the installation of the LMS	2	1

Total: 33 month/student (11 students for 3 months)