**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

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| **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 * 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)