# Purpose of Preparation Review

The purpose of this review is to assess the status of preparations for running the GMN/GEn-RP experiments. It is a forum for presenting the scope and status of equipment and work needed for the experiments. Presenting a proof of status and the rate of progress at the review is expected.

It is an opportunity to confirm the expectations of Hall A and the users regarding most everything involved in mounting a successful experiment, and to identify issues/concerns/questions now rather than later.

There will be one session for GMn and then one session for GEn-RP.

Rough timeline (working backwards)

* + Spring 2021 - first beam to the GMn experiment.
  + Fall 2020 - detectors commissioning in final location.
  + Summer 2020 - detectors move to the Hall.
  + Spring 2020 - installation of SBS starts (after CREX de-installation).
  + Spring 2020 - start preparation for movement of detectors and DAQ into the Hall – should be ready to move by Summer 2020.
  + Fall 2019 - full cosmic testing underway, all components with final DAQ.

Template for detector preparation talks

* Table that summarizes the status of equipment (examples in purple)

|  |  |
| --- | --- |
| Item | Status |
| Modules | All modules on site May 2016 |
| Modules installed in frames | Completed on Sept 2017 |
| PMTs gain matched | Plan to complete by October 2019 |

* Table that summarizes the status of electronics and cabling (examples in purple)

|  |  |
| --- | --- |
| Item | Status |
| 288 HV cables + 12 m-w 75-m long | Installed |
| 2 HV crates | Installed, operational |
| 20 Low voltage supplies |  |
| 2 VXS crate | Installed |

* Table that summarizes the DAQ/infrastructure needed (examples in purple)

|  |  |
| --- | --- |
| Item | Status |
| 5 Electronic racks | Installed |
| DAQ | Coda is operational |
| Analysis | Existing is good for cosmic |
| Weldment | Use existing weldment |
| Support stand | Design complete. Included in JLab budget. Expected delivery in 2019 |

* Figures should roughly show the location of the various weldments, racks, cables, gas, low voltage supplies needed for the detector – both in the final testing phase, and in the Hall.
* Tables should summarize the expected Hall engineering and design work and tech support needed before installation, moving to the Hall and installation for the experiment.
* Summary table of manpower matched to timeline to complete those tasks.