Support for mounting experiments at the NSCL

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Experiment Proposal Flow
(http://www.nscl.msu.edu/users/guide.html)

Proposal
- Submission to PAC
- PAC decides to accept and assigns beam-hours.

Questionnaire
- 6 months before anticipated run.
- Attempts to define scope of support and safety concerns.

Scheduling
- Ready-by date established
- Schedule established 3 months out.

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Support is Coordinated by NSCL User Office:

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General Infrastructure Support

- Utilities
  - power, cooling, network, on-line computing and storage.

- Mechanical design and fabrication

- Electronic design and fabrication as well as module repair for supported modules

- The Electronics Pool

Device DAQ Support

- Device Physicist for supported NSCL devices:
  - Example supported devices: Sweeper, S800 spectrometer, A1900 separator, GRETINA

- Device "owner" for unsupported devices
  - Example unsupported devices: DDAS, MoNA-LISA, LENDA

- Responsible party provides support for details of DAQ:
  - Device-specific data acquisition code (i.e. Readout implementation, filter implementation, etc.)
  - Device-specific analysis

Scientific Software Team Support

- NSCLDAQ and SpecTcl development and support.

- Consulting support for internal and external users.

- Special projects:
  - Upgrade of CAESAR DAQ system.
  - Upgrade of HiRA DAQ system
  - DAQ integrations
  - Providing NSCL spdaq system for ANASEN when it is at the NSCL.
  - Providing drivers and slow controls for a variety of front-end hardware

Conclusion

Within reason and the resources available, the NSCL will do whatever is needed to make an experiment work successfully.