

Hall A/C Status

- Overall beam schedule
- ERR

March 22, 2024 Hypernuclear meeting

Overall Beam schedule

- Passed FY24 budget from Congress, need to reduce run weeks (had scheduled for 30 weeks this run period)
 - Most likely will start the next run period in late Oct 2024 (one month late)
- Future FY25 budget probably will mean reduce run weeks compared to optimal.
- Hall A schedule
 - Run GEN-RP/K_LL in April 2024.
 - Changeover to GEp for May 2024 to Oct 2024
 - Run GEp from Nov 2024 to April 2025
 - Start MOLLER installation May 2025 to Oct 2026.
 - MOLLER runs 3 years.
- Hall C schedule
 - Complete NPS experiment by May 2024. Changeover to LAD experiment
 - Run LAD, pion CT and R-SIDIS from late Oct 2024-May 2025
 - Run experiments using standard SHMS/HMS from Sept 2025-May 2026
 - Install hypernuclear setup June 2026 – Dec 2026?
 - Target construction and installation intertwined with needs of other halls.
 - Need to decide what target group resources are possible.
 - Run hypernuclear experiments

ERR

- PAC dates will be July 8-12 2024. Submissions are due by 9am May 1.
- Plan for ERR in Nov 2024
- The ERR sets the final configuration of the experiment.
 - Changes need to have another ERR review.
- Limited Engineering in Hall C.
 - Need to finalize design ASAP so that Hall C E&D can be ready by Nov 2024.
- Limited Target group support with MOLLER work
 - Need to finalize design

ERR

- Typical charge for ERR
 - Experiment
 - Installation schedule
 - Preliminary commissioning and run plans. DAQ and Tape storage data needs.
 - System ownership and responsibility
 - Preliminary data analysis and publication plan
 - Radiation budget. More detailed radiation study for activation near beamline?
 - Equipment
 - Existing equipment requirements finalized
 - New equipment design and requirements
 - Timeline for equipment fabrication & installation
 - Manuals for new equipment available
 - UL or equivalent certification for new equipment available
 - Manpower for equipment, installation, running experiment
 - Documentation
 - Preliminary OSPs for new
 - Flammable gas analysis if applicable
 - Preliminary: RSAD, ESAD, COO, ERG, Operations Manual