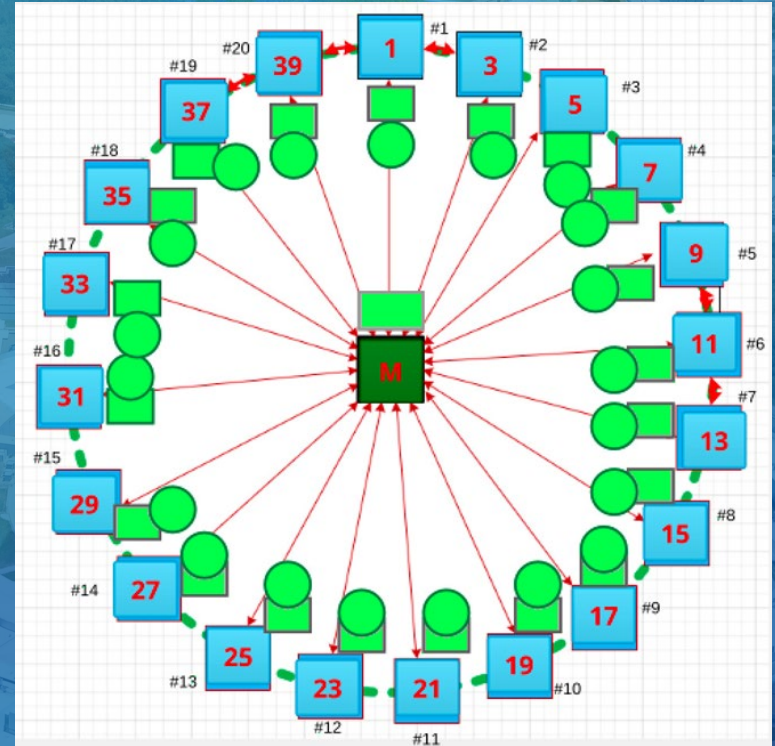


APS-U UPDATE: READY FOR COMMISSIONING

Elmie Peoples-Evans
APS Upgrade Project Manager



Machine Protection System Beam Position Limit Detectors Status Screen

DOE REVIEW

APS-U DOE Review

Select your preferred session bre ▼

March 19, 2024

March 20, 2024

March 21, 2024

Start Time	Title	Speaker	Location
8:00 AM	Executive Session	Committee	Bldg. 402 Lower Gallery/ ZOOM Link
9:00 AM	Laboratory Welcome	Sean Jones	Bldg. 402 Lower Gallery/ ZOOM Link
9:15 AM	A very unique year at the APS preparing for a new era of synchrotron-enabled research	Laurent Chapon	Bldg. 402 Lower Gallery/ ZOOM Link
9:35 AM	APS Upgrade Status and Plans	Jim Kerby	Bldg. 402 Lower Gallery/ ZOOM Link
10:15 AM	APS Upgrade Management Overview	Elmie Peoples-Evans	Bldg. 402 Lower Gallery/ ZOOM Link

“Overall, we’re very impressed with the progress since the previous IPR [Independent Project Review]. There’s great progress across the project, especially with the removal/installation of the storage ring. The project is poised for successful completion.”

Search this site

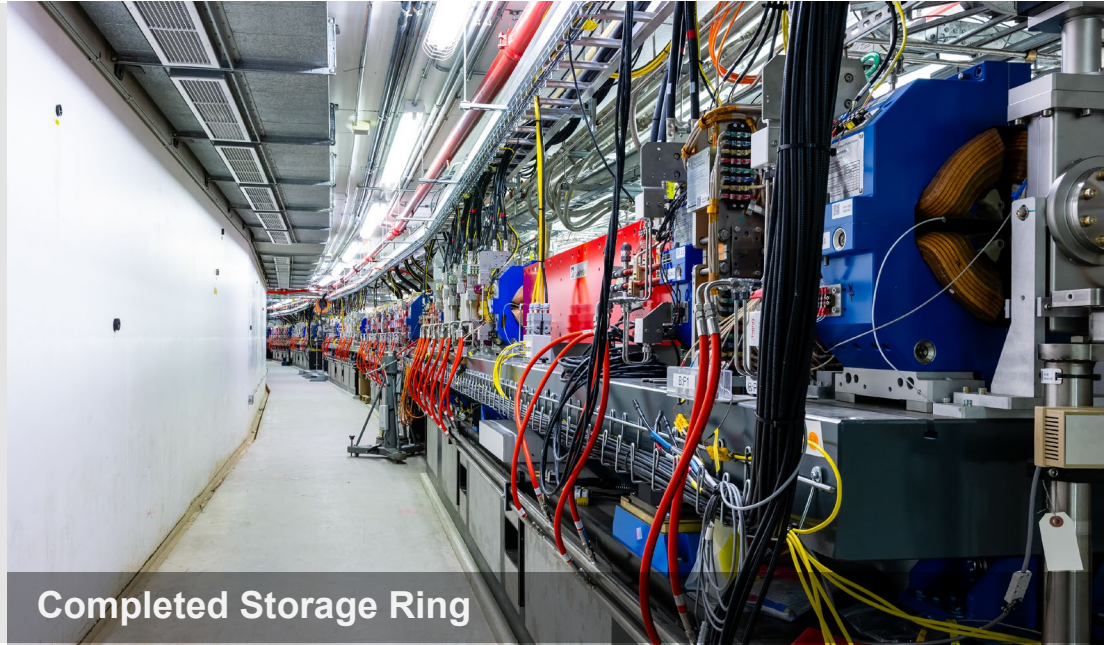
Committee Members

APS-U Points of Contact

Last Name	Name	Institution	Subcommittee
Ackerman	Andrew	BNL	SC4 Environment, Safety and Health
Champion	Mark	ORNL	SC6 Project Management
Chao	Kin	DOE/SC	Chair
Hussain	Aftab	ORNL	SC3 Accelerator Removal / Installation
Kujac	Piper	LBNL	SC5 Cost and Schedule
Netto	Andrew	LBNL	SC6 Project Management
Pan	Eva	LBNL	SC5 Cost and Schedule
Robin	Dave	LBNL	SC6 Project Management
Sannibale	Fernando	LBNL	SC1 Accelerator Systems
Sebek	Jim	SLAC	SC1 Accelerator Systems
Steffey	Wayne	ORNL	SC5 Cost and Schedule
Temnykh	Sasha	Cornell U	SC2 Experimental/Beamline/ Front Ends / Insertion Devices
White	Karen	ORNL	SC1 Accelerator Systems
Zhong	Zhong	BNL	SC2 Experimental/Beamline/ Front Ends / Insertion Devices

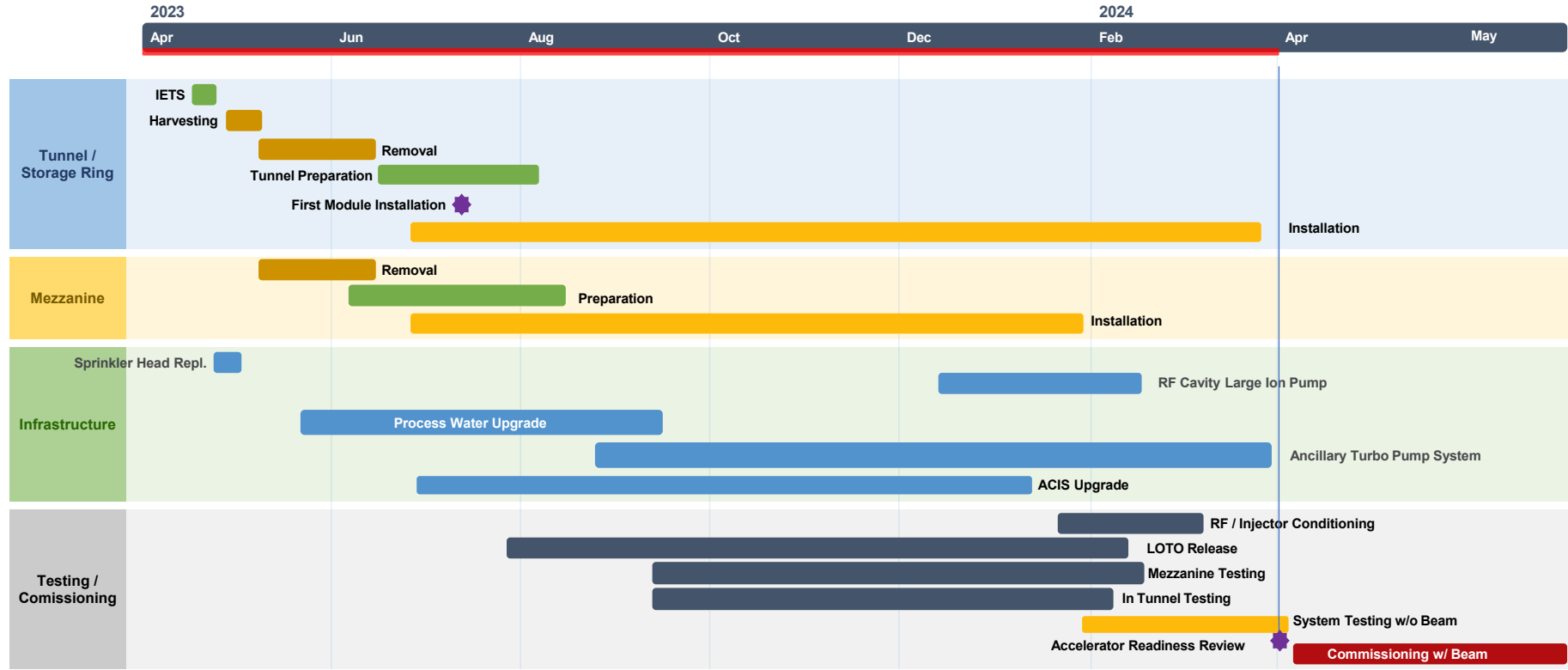
INSTALLATION

All equipment
required for
storage ring
commissioning
successfully
installed



Completed Storage Ring

STORAGE RING SCHEDULE



ACCELERATOR READINESS REVIEW

March 25, 2024

March 26, 2024

March 27, 2024

March 28, 2024

March 29, 2024

Committee Members

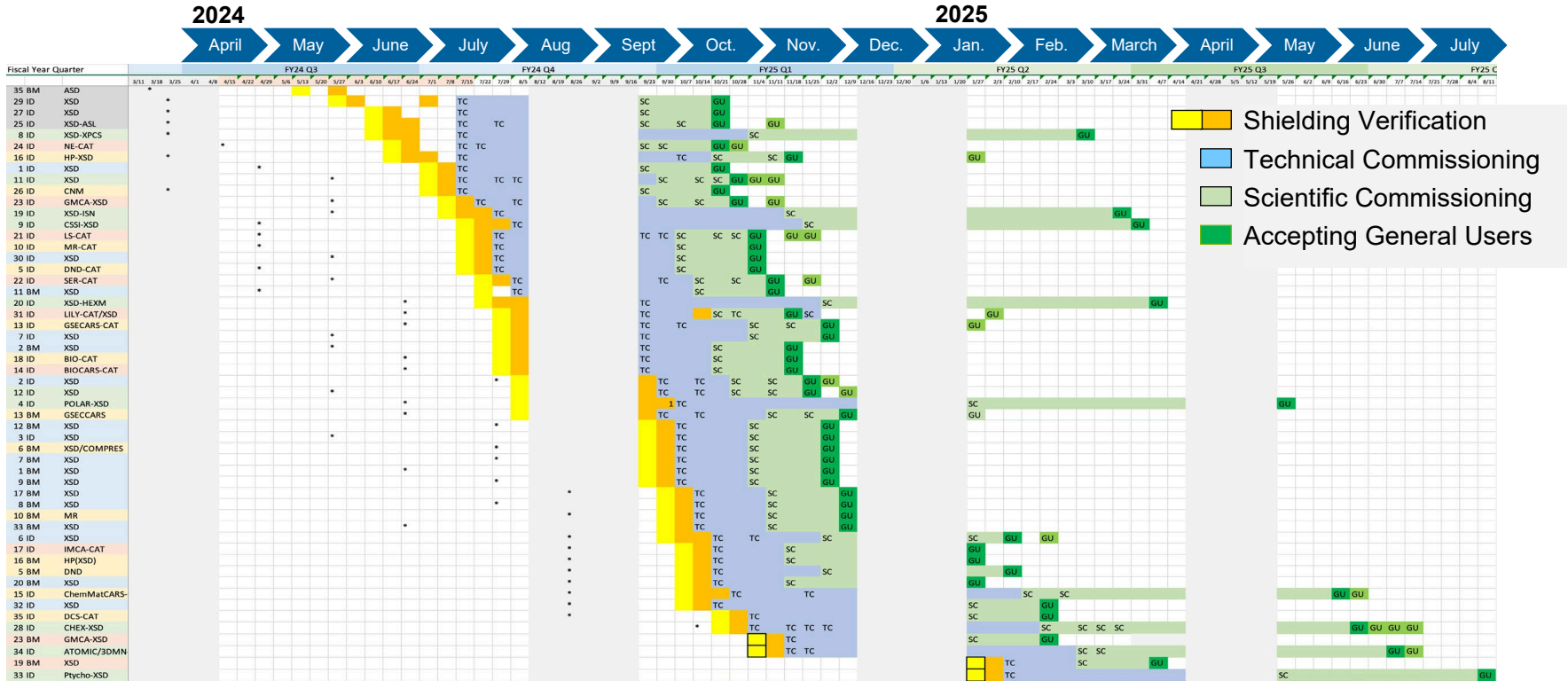
APS-U Points of Contact

Start Time	Title	Speaker	Location
1:00 PM	Executive Session	Committee	Bldg. 401 Room A5000/ ZOOM Link
2:00 PM	Welcome and Lab Program	John Quintana	Bldg. 401 Room A5000/ ZOOM Link
2:15 PM	Scope and Charge Overview	Jim Kerby	Bldg. 401 Room A5000/ ZOOM Link
2:45 PM	Storage Ring Overview	Glenn Decker	Bldg. 401 Room A5000/ ZOOM Link
3:30 PM	Break	All	Bldg. 401 Room A5000/ ZOOM Link
3:45 PM	Front Ends & Insertion Devices Overview	Mohan Ramanathan	Bldg. 401 Room A5000/ ZOOM Link
4:05 PM	Storage Ring Credited & Uncredited Controls Overview	Kathy Harkay	Bldg. 401 Room A5000/ ZOOM Link

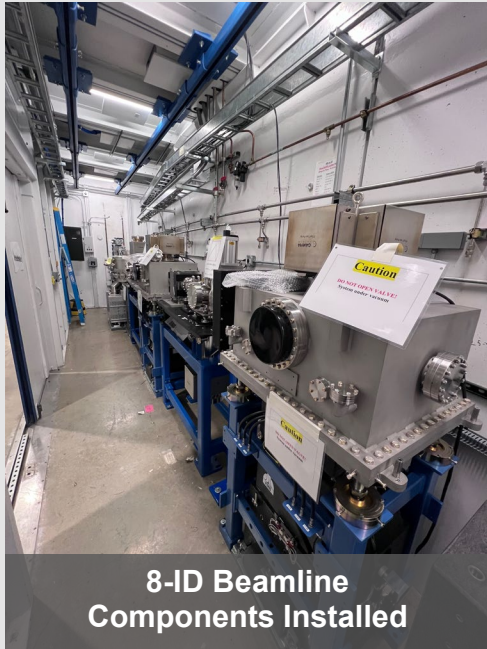
Last Name	Name	Institution
Ackerman	Andrew	BNL
Bong	Patrick	LBL
Espinoza	Everett	LANL
Filler	Raymond	BNL
Gulley	Mark	LANL
Safranek	James	SLAC
Turner	Kyle	McCallum-Turner

The overall objective of the ARR is to determine if people, processes, and equipment will be adequate to support the proposed commissioning activities in a safe and efficient manner.

BEAMLINES PLAN



PROGRESS IN PICTURES



8-ID Beamline
Components Installed



8-ID
Control Room



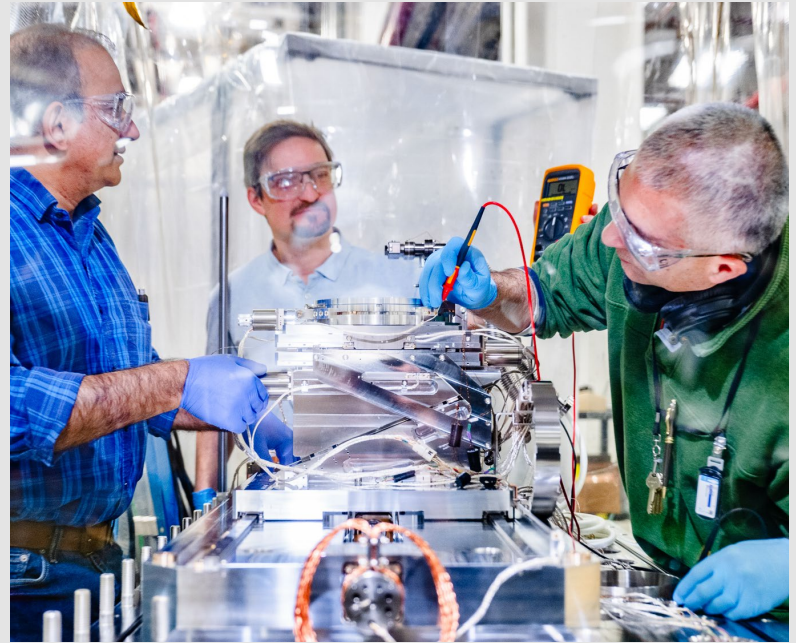
4-ID-H
Installation



4-ID-H Electrical, HVAC,
& LN2 Piping Installation

BEAMLINES STATUS

- Shielded enclosure demolitions: 24 of 30
- Shielded enclosure installations/modifications: 22 of 32
- Primary mirrors installed: 19 of 22
- Monochromators installed: 10 of 16
- Major instrument systems installed: 8 of 24
- Beamline utility modifications: 42 of 54
- 34 beamline ports survey networks completed
- 15 beamline ports center lines and elevations completed
- 6 out of 52 beamline alignments completed or in progress



AMAZING WORK...LET'S KEEP IT GOING

- Complete final test and checkout and any pre-starts identified by the ARR
- Start commissioning storage ring after Argonne Site Office approval
- Finalize procurements for all remaining beamline components
- Complete survey networks, elevations and centerlines to prep beamlines for alignment/realignment
- Finish installation and alignment/realignment of beamlines to prepare for checkout
- Start checking out beamlines to prep for commissioning readiness
- **Continue providing quality work as safely as possible – communities across the DOE complex think your efforts are amazing!**