

Controls SW Group Meeting

September 5, 2024

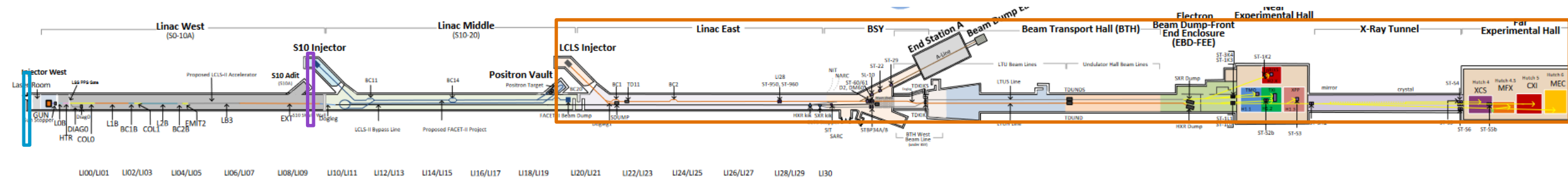
Agenda

1. Schedule Update
2. Intern Presentations
Alexandria Ikuma
Akshar Sarvesh

T. Summers

State of the Accelerators

- **LCLS-SC** – Downtime continuing until Oct. 1st when areas get locked up
 - KSUB04 maintenance, affecting S7-S10, re-energization removal of generators scheduled for Monday Sept. 9th, no access to S0-S10 during re-energization
- **FACET** – Downtime continuing until Oct. 1st, areas locked up Sept. 27th
- **LCLS-Cu/NC** – User program resumed
- **SPEAR** – PPS testing
- Downtime dashboard: <https://slac.sharepoint.com/sites/AD/committees/iwp/Pages/IWP-Dashboard-2024-2025-Downtime.aspx>
 - Find a link to Sharon's latest downtime slides near the top



Summer Downtime and LCLS-Cu Restart Update

- The LINAC EAST downtime has ended and the machine is back in user delivery mode.
 - Thank you all for clearing your caters out of the bucket!
- The next LINAC EAST + downstream PAMM is next week
 - It's a 1-day PAMM
 - Next PAMM is 3 days long
 - This alternating short/long pattern will continue the rest of the year
- Linac West and FACET downtime continues until Sept. 30

Edit	Start Date ↓	End Date	Program	Machine Status	Description
837	12/21/2024	01/01/2025	All Accelerators	PAMM	Winter downtime
836	12/16/2024	12/21/2024	LCLS	PAMM	BTH open during PPS certification
835	12/11/2024	12/11/2024	SC_Linac_MD	POMM	Linac West POMM
834	12/03/2024	12/05/2024	AOSD LCLS	PAMM	Linac east + downstream 1 day PAMM, Linac west & facet 2.5 day PAMM
833	11/27/2024	11/27/2024	LCLS	POMM	Linac East & BSY POMM
832	11/18/2024	11/20/2024	All Accelerators	PAMM	Linac East+BSY 1.5 days, rest 2.5 day pamm
831	11/13/2024	11/13/2024	SC_Linac_MD	POMM	Linac West POMM
830	11/05/2024	11/07/2024	All Accelerators	PAMM	LCLS-NC+downstream 1 day, LCLS-SC & FACET 2.5 day PAMM
829	10/30/2024	10/30/2024	LCLS	POMM	Linac east + BSY POMM
828	10/21/2024	10/23/2024	All Accelerators	PAMM	LCLS-SC, FACET-II, LCLS-NC and downstream
827	10/08/2024	10/09/2024	All Accelerators	PAMM	LCLS-SC + FACET two day and LCLS-NC + downstream one day PAMM
826	10/02/2024	10/02/2024	LCLS	POMM	Linac east & BSY POMM
825	09/23/2024	09/25/2024	LCLS	PAMM	Linac east + downstream PAMM
824	09/10/2024	09/10/2024	LCLS	PAMM	9/10 Linac east + downstream
823	09/04/2024	09/04/2024	LCLS	POMM	Linac east & BSY POMM
808	07/05/2024	09/30/2024	All Accelerators	Downtime	FACET & Linac West Summer Downtime, bucket closes 6/14 17:00

Too many alarms on LCLSHOME

- To help the ACR operators more efficiently identify real issues in the accelerator we need to clear out all the disconnected statuses and alarms that don't actually impact the machine.
- MAJOR alarms should be severe enough to prevent the machine from running, or that need to be acted on soon to prevent equipment damage.
- MINOR alarms should indicate a condition that is reducing machine performance or that a MAJOR alarm is looming...



Changes to SLAC IT remote login policies

- There was an update to our NoMachine/FastX services August 28 that all bastion hosts running an EOL OS will be removed from the SSH Exception policy. The Bastion Hosts will be removed from the border router access list, but will remain accessible from inside SLAC. All services removed from the bastion list are still accessible via VPN, eg, you can connect to VPN, then ssh to centos7, use the legacy FastX, use the legacy NoMachine.
- How to access the replacement services. All use Active Directory (aka "Windows" authentication).
 - <https://fastx.slac.stanford.edu:3300> or configure fastx client application to use ssh port 22 and connect to fastx.slac.stanford.edu.
 - <https://nx4.slac.stanford.edu:4443> or configure nomachine client to use ssh port 22 and connect nx4.slac.stanford.edu. Use Active Directory (aka "Windows" authentication)
- Replacement ssh bastions for centos7.slac.stanford.edu is jump.slac.stanford.edu (Windows authentication)
- rocky9.slac.stanford.edu. (Windows authentication) or if the user has an S3DF account: s3df.slac.stanford.edu
- Also, S3DF users can use the S3DF NoMachine service:
<https://s3df.slac.stanford.edu/public/doc/#/reference?id=common-tools>

Temporary Utility Project

- Power was restored to our buildings yesterday around noon. We will be in this configuration until April.
- Be careful travelling over the new cable covers on the road in front of our building and on the walkway beside B024.



Special Presentations

Intern presentations from

- *Alexandria Ikuma*

- *Akshar Sarvesh*