Controls SW Group Meeting

February 8, 2024
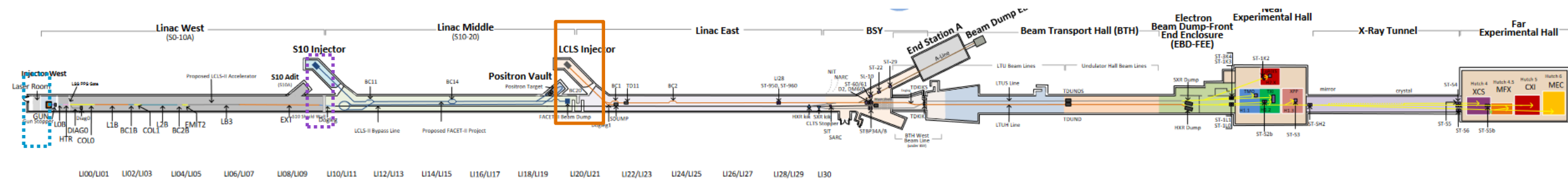
Agenda

1. Machine Recovery
2. Upcoming Schedule
3. Special Topic:
An Le – Better screeniocs

T. Summers

SLAC NATIONAL ACCELERATOR LABORATORY

State of the Accelerators

- **LCLS-SC**
  - Winter downtime continuing until this Friday, 01/26. Tunnel has been secured
  - Please check over your systems now; there's a good chance recovery will spill over into the weekend

- **FACET**
  - Machine recovery was successful
  - Delivering beam to users all week

- **LCLS-Cu/NC**
  - Down half the day yesterday due to RF issues stemming from power outage
  - Recovered and delivering beam
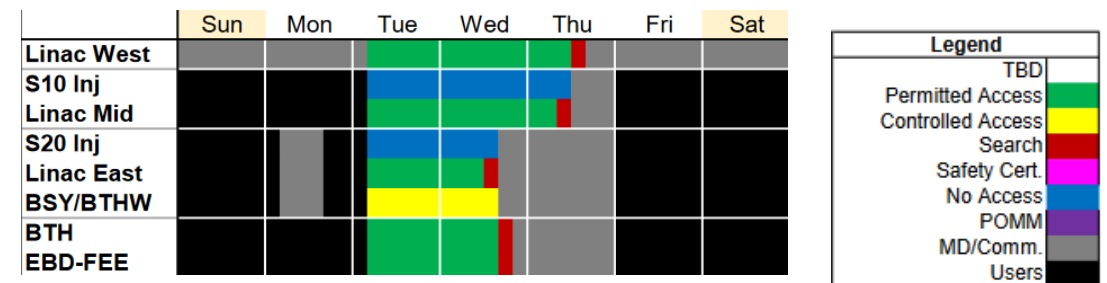
- **SPEAR had a transformer failure and is currently down**

Upcoming downtime periods

Once all machines are back, we're in a predictable cadence until summer

- **Next all-linac PAMM is next week**
  - **PAMM planning meeting immediately following this meeting; 11 AM in Mad River or on Zoom.**
- Project to update and reboot all LinuxRT CPUs still in progress…
- As we recover all the accelerators, please take a moment to go through your subsystem statuses on LCLSHOME and FACETHOME
  - Continue destroying those purple boxes! Some have been creeping back in.

Edit	Start Date ↓₹	End Date	Program	Machine Status	Description
797	04/23/2024	04/25/2024	All Accelerators	PAMM	4/23/2024 - 4/25/2024 PAMM
796	04/09/2024	04/11/2024	All Accelerators	PAMM	4/09/2024 - 4/11/2024 PAMM
795	03/26/2024	03/28/2024	All Accelerators	PAMM	3/26/2024 - 3/28/2024 PAMM
794	03/12/2024	03/14/2024	All Accelerators	PAMM	3/12/2024 - 3/14/2024 PAMM
793	02/27/2024	02/29/2024	All Accelerators	PAMM	2/27/2024 - 2/29/2024 PAMM
792	02/13/2024	02/15/2024	All Accelerators	PAMM	2/13/2024 - 2/15/2024 PAMM
791	01/30/2024	02/01/2024	All Accelerators	PAMM	1/30/2024 - 2/01/2024 PAMM
777	11/20/2023	01/26/2024	AOSD LCLS	Downtime	Nov-Jan Linac West Downtime

Typical PAMM schedule

Special Topics

Jeremy Lorelli (TID CDS Advanced Controls).

He will be discussing the implementation of NFSv2 on RTEMS4, the steps they took to diagnose the issue, and the fix they arrived at. For background, this is a project to fix the issue we see where the IOCs lose communication to NFS, with symptoms like autosave files not being written – see one of our oldest caters #97639.