

# Controls SW Group Meeting

March 21, 2024

Welcome to Spring :)

T. Summers

## Agenda

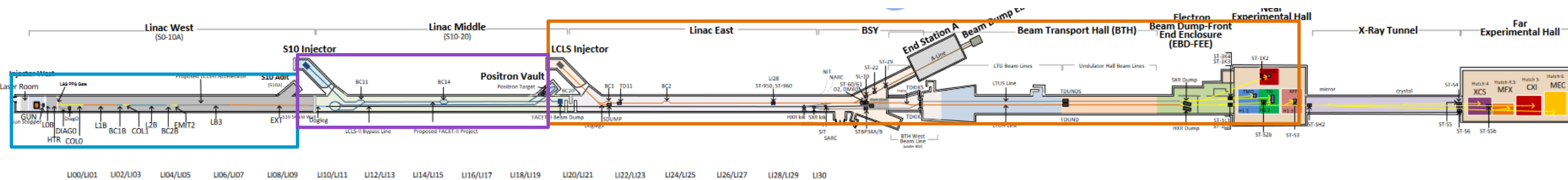
1. Machine Status
2. Upcoming Schedule
3. Special Topic:  
Jay Srinivasan (TID-SCS)  
Introduction to the S3DF

# State of the Accelerators

- **LCLS-SC** - Beam commissioning resumed, schedule to run through SXR today
- **FACET** - Scheduled user program
- **LCLS-Cu/NC** - Scheduled user program through HXR

Wednesday day shift all 3 linac sections had scheduled MD for linac locking. Initial switchover went well and were recovered after some adjustment. However, instrument checkout at XPP showed timing jumps so the locking was backed out.

- **SPEAR** - Scheduled user program
- **UED** - kHz Test
- **NLCTA** - Startup scheduled for Monday (postponed from last week)





# Upcoming downtime periods

## PAMM next week, planning meeting was this morning

- Next all-linac PAMM is March 26-28
- This past Monday, the fix for the NFS/autosave issue was deployed on BPM IOCs for initial testing.
- The fix is scheduled to be deployed to LLRF IOCs this PAMM.

<a href="#">Edit</a>	<a href="#">Start Date</a> ↓	<a href="#">End Date</a>	<a href="#">Program</a>	<a href="#">Machine Status</a>	<a href="#">Description</a>
809	07/05/2024	08/21/2024	All Accelerators	Downtime	FACET & Linac East Summer Downtime
808	07/05/2024	09/30/2024	Linac West	Downtime	Linac West Summer Downtime
813	05/07/2024	05/09/2024	All Accelerators		5/7/2024 - 5/9/2024 PAMM
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
812	04/03/2024	04/03/2024	AOSD LCLS	POMM	4/3 LCLS POMM Bucket
795	03/26/2024	03/28/2024	All Accelerators	PAMM	3/26/2024 - 3/28/2024 PAMM

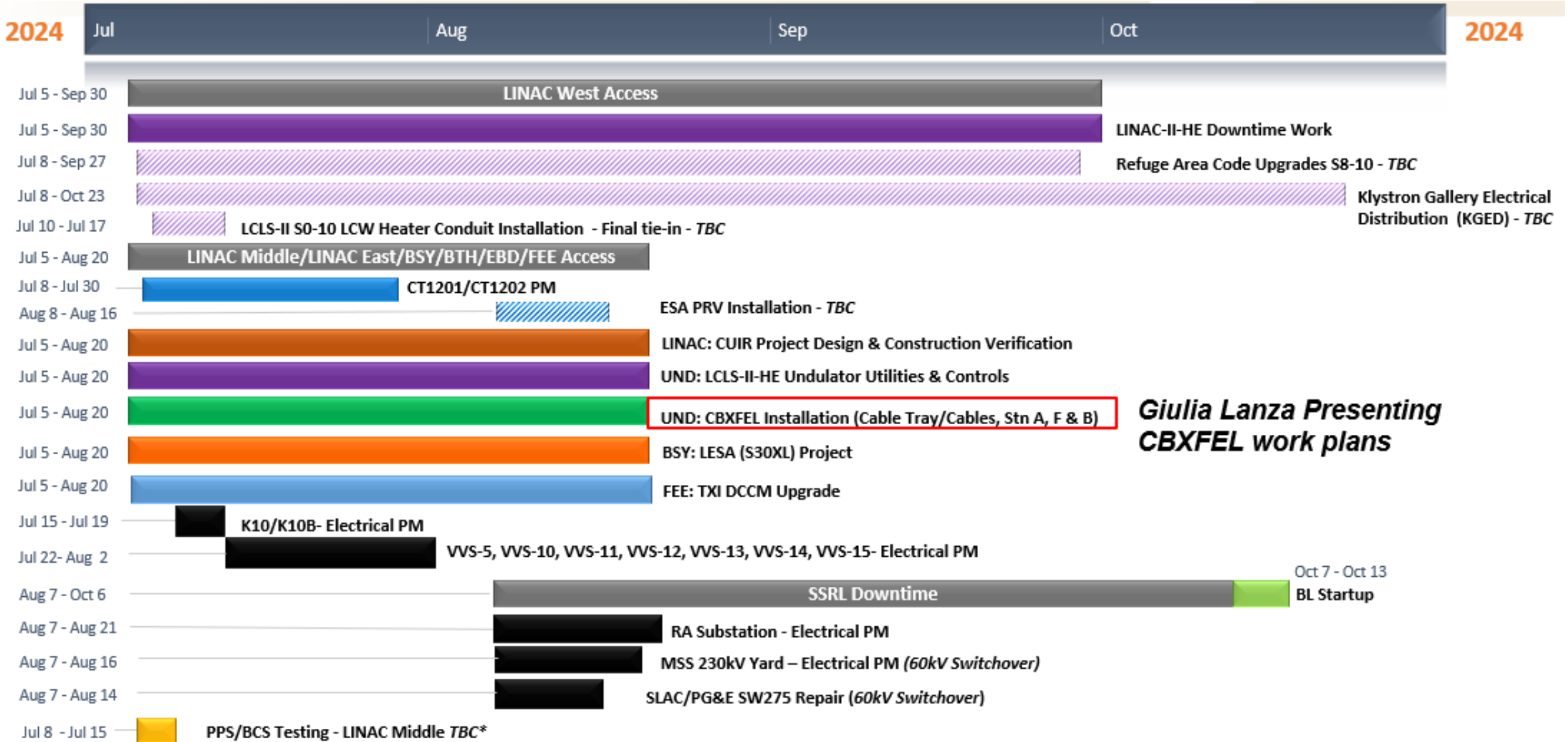
## Typical PAMM schedule

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Linac West							
S10 Inj							
Linac Mid							
S20 Inj							
Linac East							
BSY/BTHW							
BTH							
EBD-FEE							

**Legend**

- TBD
- Permitted Access
- Controlled Access
- Search
- Safety Cert.
- No Access
- POMM
- MD/Comm.
- Users

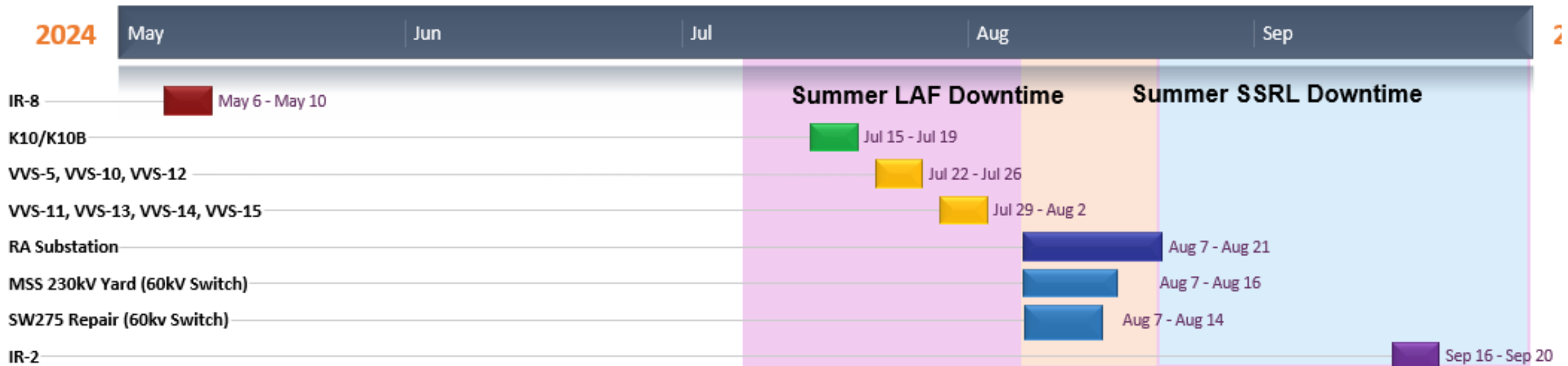
# Looking ahead to the summer downtime (from Sharon)



# Looking ahead to the summer downtime (from Sharon)

See latest slides on Downtime Dashboard for more details...

<https://slac.sharepoint.com/sites/AD/committees/iwp/Pages/IWP-Dashboard-2024-2025-Downtime.aspx>



# Looking ahead to the summer downtime (from Sharon)

## ***K10/K10B – Electrical PM***

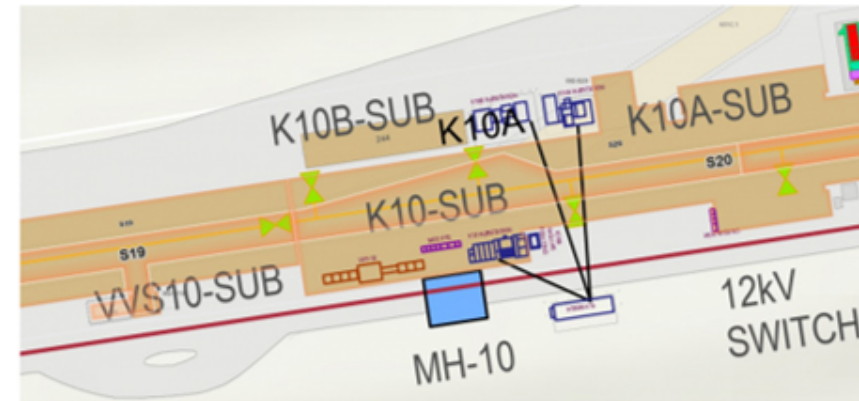
### **Scope of Work:**

- Medium voltage breakers
- Switchgear
- Transformers for both
- 480V switchgear
- Distribution panels
- K10 battery bank
- Integrated Power Centers

### **Impacted by Outage**

- Laser Rooms: LCLS & FACET II
- FACET-II trailer (B244)
- HVAC Laser Rooms
- S20 RF Hut
- Klystrons in Sectors 19/20
- S20 Tunnel Radio
- Vacuum – *generator supplied for gun vacuum & spider boxes*
- LCW outage
- BSOICs
- BTMs
- Fire Alarms and ODM
- Lighting Inverter
- PPS – week long outage

K10/K10A/K10B Substation Outage



***Duration: 5 Days***

***Proposed: July 15-19***

**Planning Meeting 03/14 @ 10:30am**



# Looking ahead to the summer downtime (from Sharon)

## RA Substation – Electrical PM

### SSRL/SPEAR3

Sub515 – B140  
B130, B131, B120  
(generators required)

Duration: 10 days  
Dates: Aug 7-21, 2024

### End Station A

B060, B061

### Beam Transport Hall (LTU, UND)

B910, B911, B912, B913

### CryoEM

B006

### NLCTA

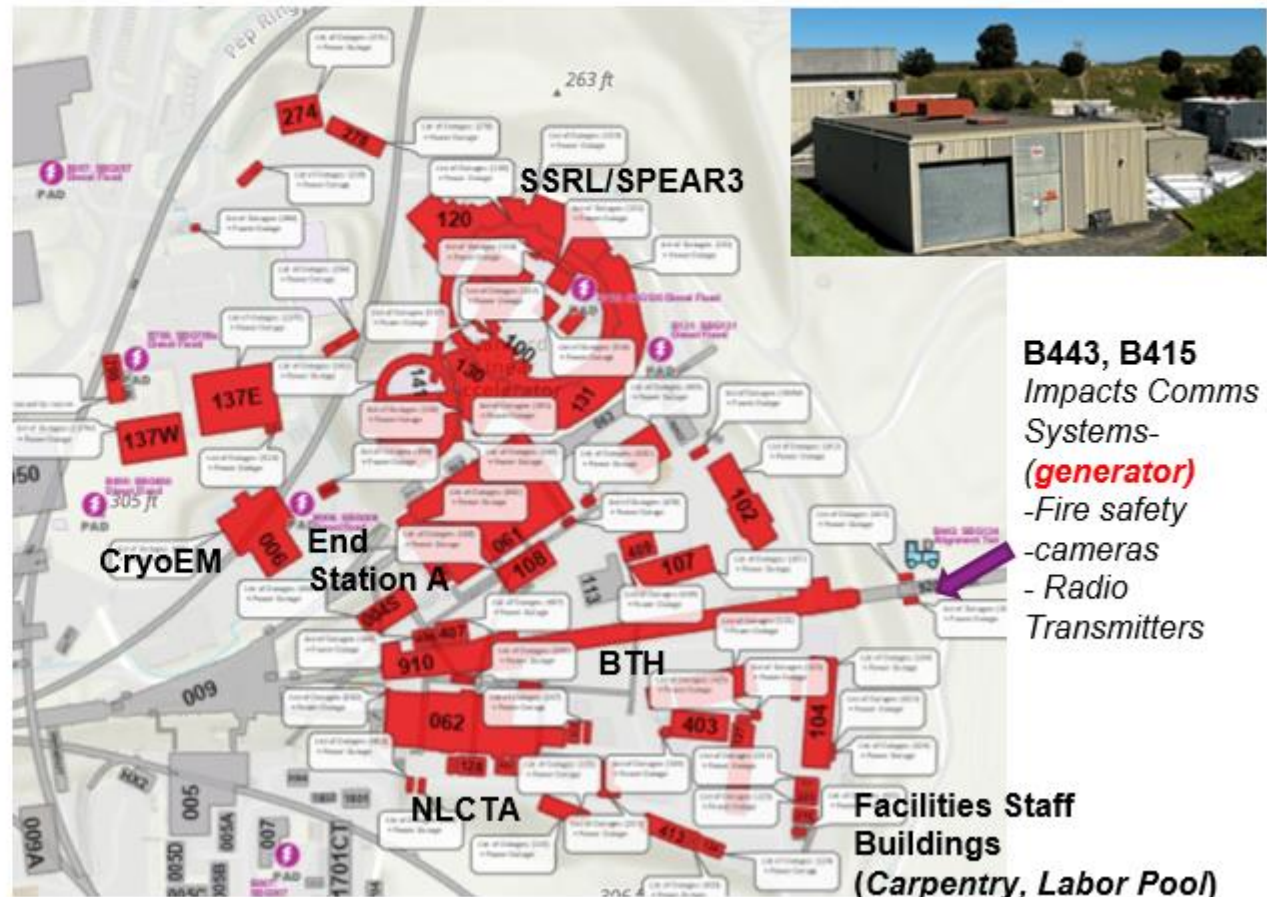
B128, B129, B062 (ESB)

### Data Center (B050)

During outage down to single source, 550s

**Planning Meeting 03/08/2024 @ 12:30pm**  
**Follow-up Meeting 04/02/2024 @ 1pm**

### RA Substation power outage mapped:



# Special Presentation

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Jay Srinivasan (TID-SCS) – An introduction and overview of the new data center S3DF.