

# Controls SW Group Meeting

September 28, 2023

## Agenda

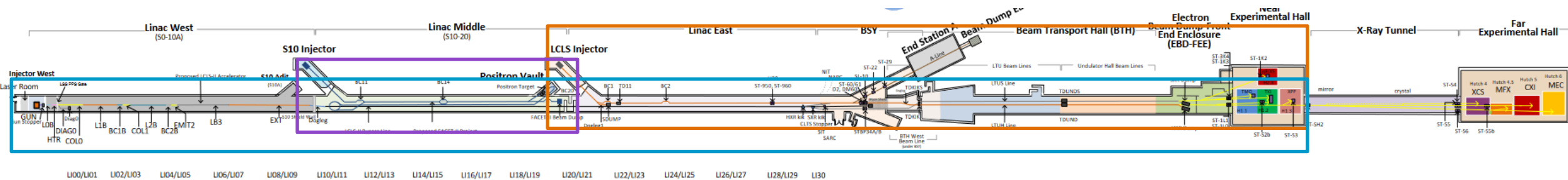
1. State of the machine
2. Welcome new staff
3. Special Presentation  
*Adding Transport Layer  
Security to EPICS*

T. Summers

# State of the Accelerators

## All accelerators running

- **LCLS-SC: Tuning beam through SXR**
  - Current focus on tuning and work on Beam Loss Monitors
- **FACET: Tuning beam through to experiment area**
  - Working remaining equipment repairs
- **LCLS-Cu/NC: Running experiments through HXR**
  - Standard user delivery program



# Upcoming maintenance periods

Next week: Linac PAMM from 6am Tues - 6pm Thurs\*

- PAMM Planning meeting today at 1 pm in Mad River
- \*Staggered lock-up times for all accelerators
- Notable jobs:
  - Initial release of PVA gateway (serves LCLS/LCLS-II PV Access protocol PVs read-only to SLAC public network)
  - Removal of first SXR undulator (C26) to B081
- Next PMM is unusual due to 60 kV power switchover, reduced access

Sep-2023	2 Mon	3 Tue	4 Wed	5 Thu	6 Fri	Legend
Linac West						TBD
S10 Inj						Permitted Access
Linac Mid						Controlled Access
S20 Inj						Search
Linac East						Safety Cert.
BSY/BTHW						No Access
BTH						POMM
EBD-FEE						MD/Comm. Users

60 kV Power & Lin. Mid. PPS Cert.					Cert. Conting.	
16 Mon	17 Tue	18 Wed	19 Thu	20 Fri	21 Sat	22 Sun

<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>
777	11/27/2023	01/26/2024	AOSD LCLS	Downtime	Nov-Jan Linac West Downtime
766	11/27/2023	12/20/2023	All Accelerators	Downtime	Nov-Dec FACET & LCLS Cu Downtime (includes BSY, BTH, and EBD-FEE)
787	11/07/2023	11/09/2023	All Accelerators	PAMM	11/7 - 11/9 PAMM
784	10/16/2023	10/20/2023	All Accelerators	Downtime	10/16-10/20 downtime - 60 kV switchover & Linac Middle PPS testing
786	10/11/2023	10/11/2023	AOSD LCLS	POMM	LCLS POMM - Sectors 20-30 Klystron Gallery work only
782	10/03/2023	10/05/2023	All Accelerators	PAMM	10/3-10/5 PAMM

# Welcome Jerry Katzung!

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- Reporting to Mike Zelazny
- Originally from Milwaukee, Wisconsin
- B.S. in Electrical Engineering and Computer Science from the University of Wisconsin - Madison
- Software Engineer at many tech companies:
  - Primarily Apple, as well as VA Linux, Intransa, VMOPs, Palm, Lab126/Amazon, and some consulting
  - Bootloader, OS and driver development, as well as hardware bringup/debug
- More Californian than Wisconsinite at this point...
- Many interests, but need more hobbies!
- Excited to be a part of SLAC and supporting its mission!

# Welcome Devan Agrawal!

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- Reporting to Tasha Summers
- From Canton, MI and Orange County, CA
- Graduated UC Berkeley with Bachelor's in Physics and CS
- Worked in language modeling for SoundHound AI from 2019-2022
- Enjoy hiking, archery, history, and travel
- Excited to be joining SLAC!

# Special Presentation

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## **Adding Transport Layer Security to EPICS**

George McIntyre & Michael Davidsaver (hosted by Greg White)