

Controls SW Group Meeting

April 18, 2024

Agenda

1. Machine Status
2. Upcoming Schedule
3. Special Topic:
CBXFEL
Alex Montironi

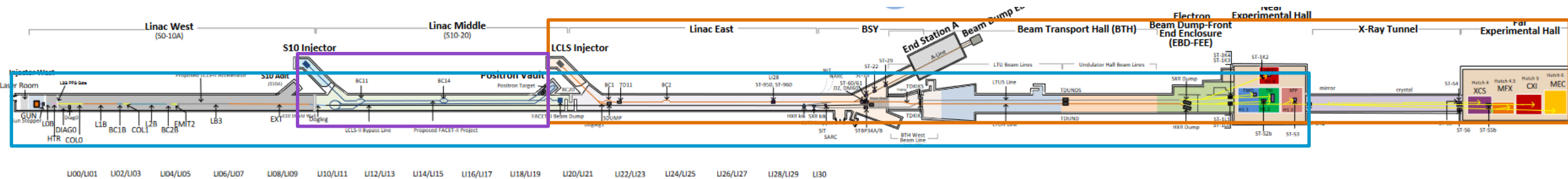
T. Summers

State of the Accelerators

- **LCLS-SC** - Experiment commissioning program underway through SXR, testing XTCAV and STCAV
- **FACET** - Linac tuning during the day, scheduled user program at night
- **LCLS-Cu/NC** - Scheduled user program through HXR

Last Wednesday day shift all 3 linac sections had another scheduled MD for linac locking (initial attempt had to be back due to timing jumps seem by XPP). This time all went well.

- **SPEAR** - Scheduled user program, had some downtime to fix vacuum problems in booster ring
- **UED** - kHz testing underway
- **NLCTA** - Startup scheduled for maybe this Friday



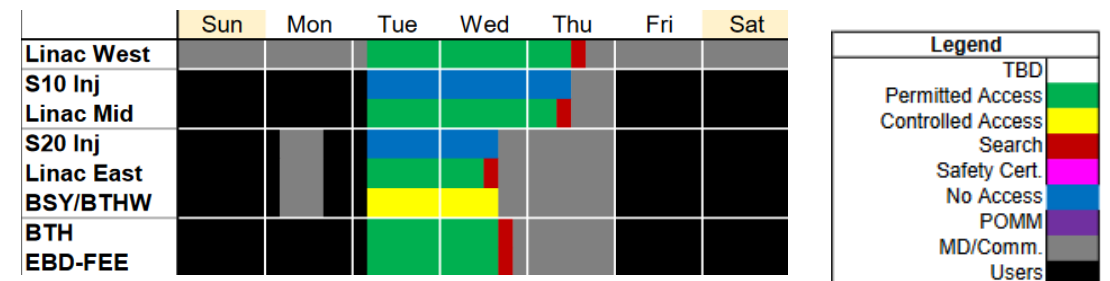
Upcoming downtime periods

PAMM next week, planning meeting is this afternoon

- Only 4 PAMM until the summer downtime
 - The detailed schedule is still under development. They know we need a week of recovery once UND hall is back on regular power.
- Looks like the fix for the NFS/autosave issue was only partially successful – more work is needed

Edit	Start Date ↓	End Date	Program	Machine Status	Description
808	07/05/2024	09/30/2024	Linac West	Downtime	Linac West Summer Downtime
809	07/05/2024	08/21/2024	All Accelerators	Downtime	FACET & Linac East Summer Downtime
817	06/18/2024	06/20/2024	All Accelerators	PAMM	6/18-6/20 2024 PAMM. Bucket closes 6/10 17:00.
816	06/04/2024	06/06/2024	All Accelerators	PAMM	6/4-6/6 2024 PAMM. Bucket closes 5/27 17:00
814	05/20/2024	05/23/2024	AOSD LCLS	PAMM	5/20-5/23 Extended Undulator Hall Access. Bucket closes 5/13 17:00
813	05/07/2024	05/09/2024	All Accelerators	PAMM	5/7/2024 - 5/9/2024 PAMM. Bucket closes 4/29 17:00
797	04/23/2024	04/25/2024	All Accelerators	PAMM	4/23/2024 - 4/25/2024 PAMM

Typical PAMM schedule



Controls Upgrades Reminder

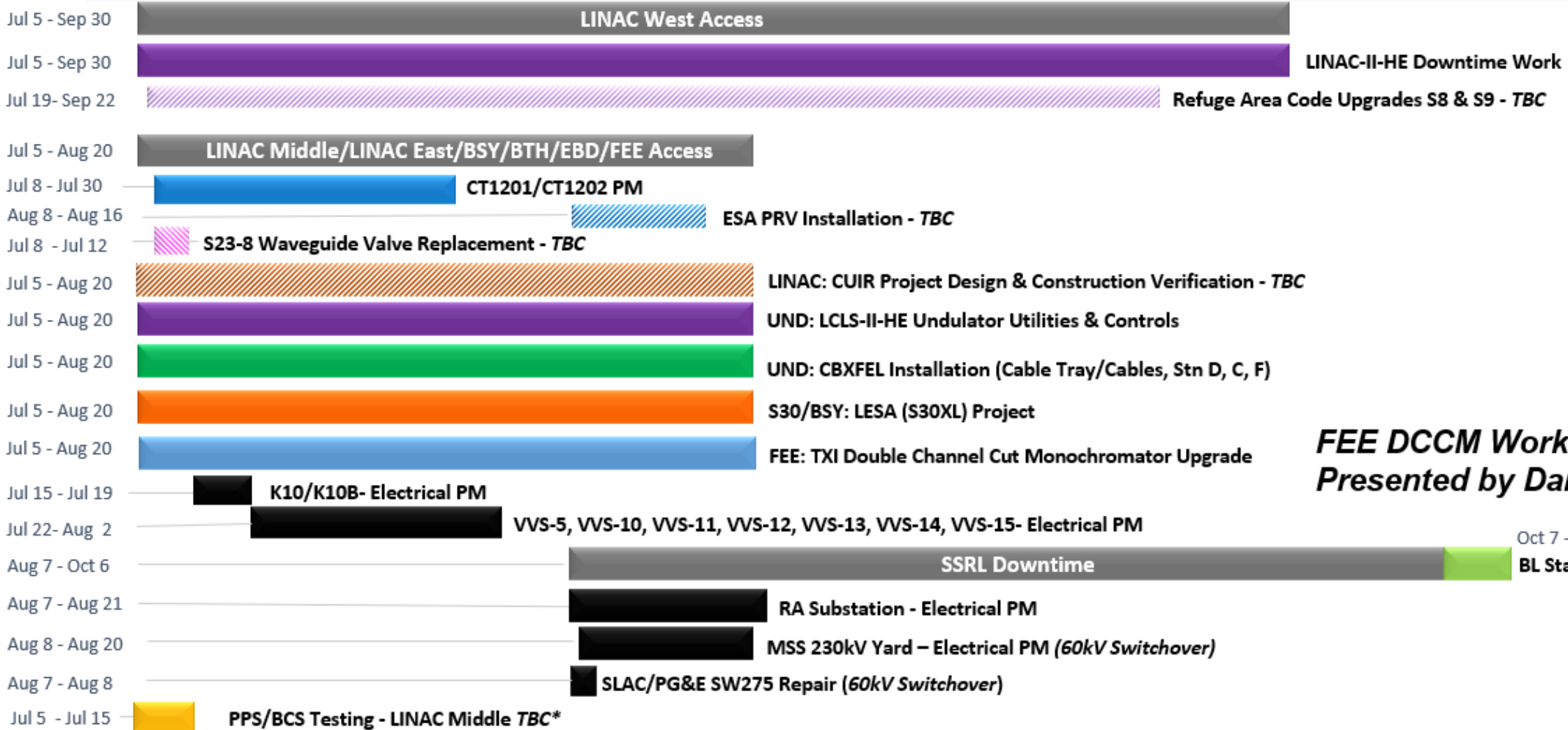
Almost all systems are now at RHEL7

- **Only 4 PAMM until the summer downtime**
 - Please make an effort to update all your software and IOC applications to RHEL7 build so we can start moving to RHEL8.
- **Message from Jingchen about Dev:**
 - *With lcls-dev1 and lcls-dev3 upgraded to RHEL7, we are now back to the symmetry on DEV, i.e., lcls-dev1 for hosting daemon processes including SIOCs, lcls-dev3 for interactive usage and software build/deployment. dev-rhel7 was created as a temporary server for testing RHEL7 on DEV. We will decommission dev-rhel7 on next Tuesday (04/23) and use it for other purpose. Please enjoy lcls-dev1 and lcls-dev3 on DEV. Thanks.*

Looking ahead to the summer downtime (from Sharon)

2024

2024



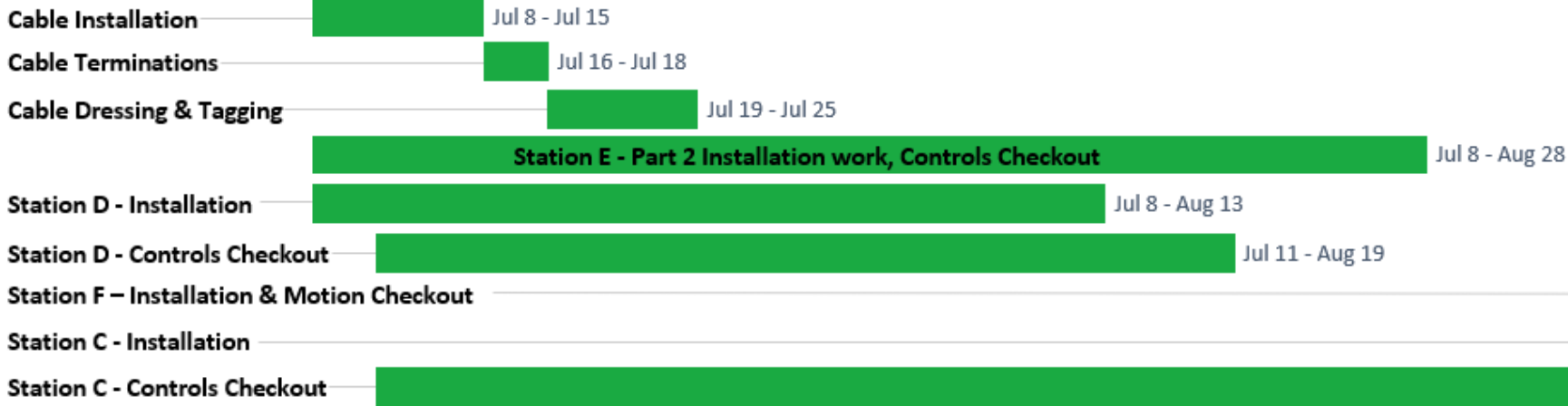
*FEE DCCM Work Plans
Presented by Dan Peterswright*

Oct 7 - Oct 13
BL Startup

Looking ahead to the summer downtime (from Sharon)

2024

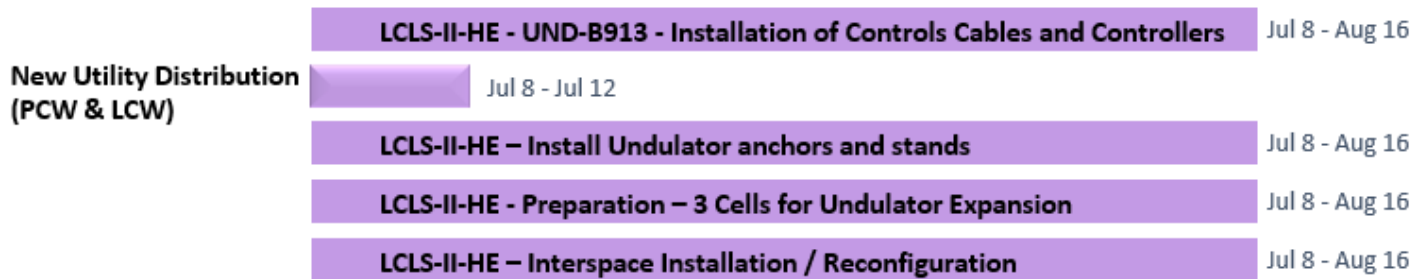
2024



CBXFEL Installation Readiness Reviews

- IRR #3 09/19/2023: Stations C, D, E and X-Ray Return Line
- FDR and IRR 04/22/2024: Station F

LCLS-II-HE Summer Downtime Work Plans



LCLS-II-HE Installation Readiness Review Planning early June

Work Ongoing During PAMMs

PPS/BCS LINAC Middle Testing - NO ACCESS Required



RA Substation Electrical PM - Power Outage

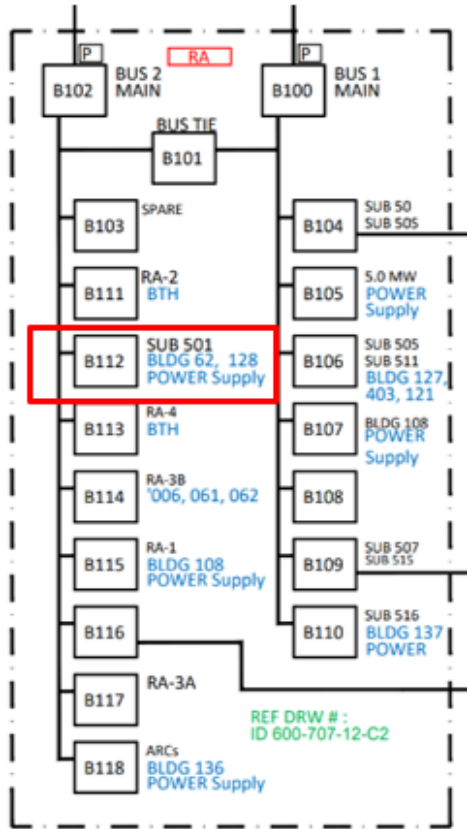


Looking ahead to the summer downtime (from Sharon)



- Development of work packages in progress
- RA Substation dates aligned with Summer LAF Downtime July 5 – August 21, SSRL Downtime August 7 – October 6
- Site 60kV Switch needed for SW275 Repair and MSS 230kV Yard PM work

Sub 501 power outage in June



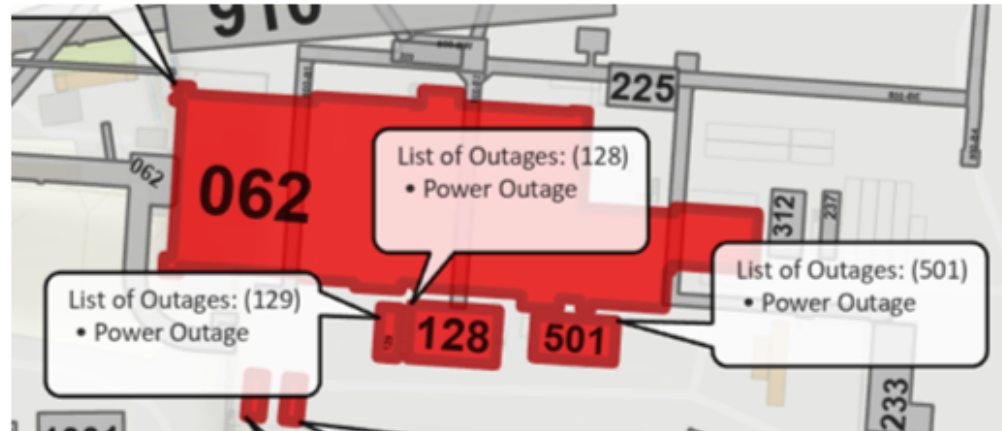
REF: S4010-ES7-0020 Rev01

Scope of Work:

- 12kV Switchgear
- Building Distribution
- Substation breakers/secondary switchgear
- Main Distribution Panel

Impacted by Outage:

- End Station B – Building 62
- NLCTA Control Room – Building 128
- **BSOIC (BSOBSY03) power source B005 MCC LPB21 – verify**



Duration: 5 Days
Proposing June 3 - 7

Special Presentation

Alex Montironi – An introduction and overview of the CBXFEL project.