

# Controls SW Group Meeting

May 09, 2024

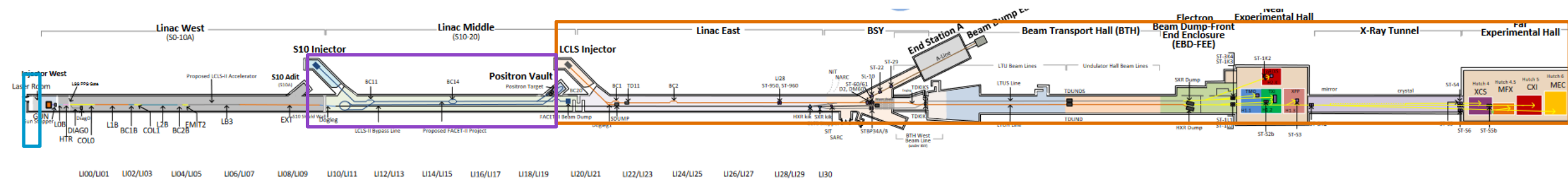
## Agenda

1. Machine Status
2. Upcoming Schedule
3. Special Topic:  
TPG GUI - Alex Ng

T. Summers

# State of the Accelerators

- **LCLS-SC** – Cryoplant had recovered to 2K last Friday, beam setup and tuning resumed on Saturday. PAMM recovery today pending the S11 PPS issue getting resolved
- **FACET** – An S11 PPS issue needs to be resolved before searching and recovery, scheduled for this morning. Next experiment scheduled Friday swing shift.
- **LCLS-Cu/NC** – Scheduled post-PAMM restart delayed until today due to an issue with BCS work to move PIC lines venting the gas lines, refill took longer than expected.
- **SPEAR** – Smooth delivery to user program, was a beam loss yesterday morning at 5:45 due to small power dip.
- **UED** – User program resumes next Thursday 5/16
- **NLCTA** - Startup now scheduled tentatively for May 20



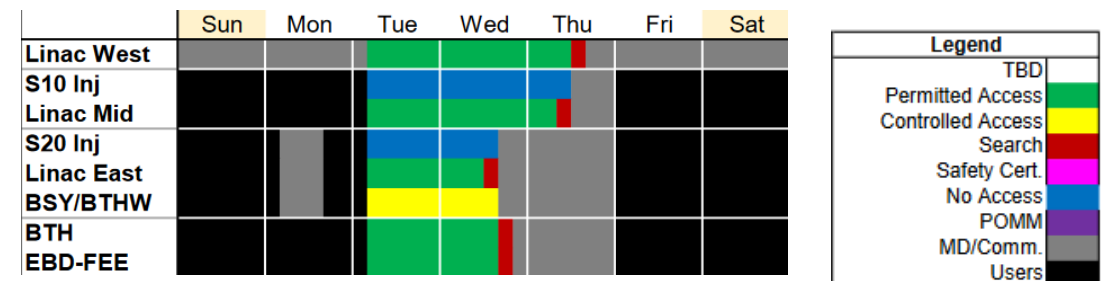
# Upcoming downtime periods

## PAMM wrapping up – please close your jobs ASAP!


- Thank you for working to update IOCs to RHEL7!
  - LCLS: 42% to 52% this PAMM including some Vacuum and MC  
183 IOCs left to upgrade
  - FACET: 44% to 47%  
41 IOCs left to upgrade
- Jobs for next PAMM due Monday 5pm. Note BTH (LTU/UND) and EBD-FEE PAMM and access start Monday instead of Tuesday
- Summer downtime planning is well underway, jobs should be getting prepared and submitted to the bucket as soon as possible to help with scheduling – deadline Jun 14<sup>th</sup>.

Edit	Start Date ↓	End Date	Program	Machine Status	Description
808	07/05/2024	09/30/2024	Linac West	Downtime	Linac West Summer Downtime, bucket closes 6/14 17:00
809	07/05/2024	08/21/2024	All Accelerators	Downtime	FACET & Linac East Summer Downtime, bucket closes 6/14 17:00
817	06/18/2024	06/20/2024	All Accelerators	PAMM	6/18-6/20 2024 PAMM. Bucket closes 6/10 17:00.
819	06/12/2024	06/12/2024	AOSD LCLS	POMM	6/12 LCLS NC-only POMM
820	06/04/2024	06/04/2024	FACET-II	POMM	FACET-II dummy POMM
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 PAMM w/ 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

## Typical PAMM schedule



# This week: IR-8 power outage and PROActive Assessment

Monday	Tuesday	Wednesday	Thursday	Friday	Sat/Sun
<b>05/06/2024</b> <ul style="list-style-type: none"> <li>LCLS NC Users</li> <li>LCLS SC Program</li> <li>FACET II Program</li> <li>SSRL User Program</li> <li>UED User Program</li> </ul> <b>IR-8 Electrical PM</b> <b>PROActive Assessment</b>	<b>05/07/2024</b> <ul style="list-style-type: none"> <li>PAMM (LCLS NC, FACET II, LCLS SC)</li> <li>SSRL User Program</li> </ul> <b>IR-8 Electrical PM</b> <b>PROActive Assessment</b>	<b>05/08/2024</b> <b>Downtime Planning Mtg</b> <ul style="list-style-type: none"> <li>PAMM (LCLS NC, FACET II, LCLS SC)</li> <li>SSRL User Program</li> </ul> <b>IR-8 Electrical PM</b> <b>PROActive Assessment</b> 	<b>05/09/2024</b> <ul style="list-style-type: none"> <li>PAMM Recovery</li> <li>LCLS NC/FACET II/LCLS SC Program restart</li> <li>SSRL User Program</li> </ul> <b>IR-8 Electrical PM</b> <b>PROActive Assessment</b>	<b>05/10/2024</b> <ul style="list-style-type: none"> <li>LCLS NC Users</li> <li>LCLS SC Program</li> <li>FACET II Program</li> <li>SSRL User Program</li> </ul> <b>IR-8 Electrical PM</b>	<b>05/11 &amp; 05/12</b> <ul style="list-style-type: none"> <li>LCLS NC Users</li> <li>LCLS SC Program</li> <li>FACET II Program</li> <li>SSRL User Program</li> </ul>
<b>05/13/2024</b> <ul style="list-style-type: none"> <li>LCLS NC Users</li> <li>LCLS SC Program</li> <li>FACET II Program</li> <li>SSRL PAMM</li> </ul> <b>LSST Camera Transport</b> <b>(partial PEP Ring Road closure 6am-3pm)</b>	<b>05/14/2024</b> <ul style="list-style-type: none"> <li>LCLS NC Users</li> <li>LCLS SC Program</li> <li>FACET II Program</li> <li>SSRL AP</li> </ul> <b>LSST Camera Transport</b> <b>SLAC Director's Town Hall 10-11am</b>	<b>05/15/2024</b> <b>Downtime Planning Mtg</b> <ul style="list-style-type: none"> <li>LCLS NC Users</li> <li>LCLS SC Program</li> <li>FACET II Program</li> <li>SSRL User Program</li> </ul>	<b>05/16/2024</b> <ul style="list-style-type: none"> <li>LCLS NC Users</li> <li>LCLS SC Program</li> <li>FACET II Program</li> <li>SSRL User Program</li> <li>UED User Program</li> </ul>	<b>05/17/2024</b> <ul style="list-style-type: none"> <li>LCLS NC Users</li> <li>LCLS SC Program</li> <li>FACET II Program</li> <li>SSRL User Program</li> <li>UED User Program</li> </ul>	<b>05/18 &amp; 05/19</b> <ul style="list-style-type: none"> <li>LCLS NC Users</li> <li>LCLS SC Program</li> <li>FACET II Program</li> <li>SSRL User Program</li> <li>UED User Program</li> </ul>
<b>05/20/2024</b> <ul style="list-style-type: none"> <li>PAMM (Extended Undulator Hall Access)</li> <li>SSRL User Program</li> <li>UED User Program</li> <li>NLCTA Startup - tentative</li> </ul>	<b>05/21/2024</b> <ul style="list-style-type: none"> <li>PAMM (LCLS NC, FACET II, LCLS SC)</li> <li>SSRL User Program</li> <li>NLCTA Startup</li> </ul>	<b>05/22/2024</b> <b>Downtime Planning Mtg</b> <ul style="list-style-type: none"> <li>PAMM (LCLS NC, FACET II, LCLS SC)</li> <li>SSRL User Program</li> <li>NLCTA Startup</li> </ul>	<b>05/23/2024</b> <ul style="list-style-type: none"> <li>PAMM Recovery</li> <li>LCLS NC/FACET II/LCLS SC Program restart</li> <li>SSRL User Program</li> <li>NLCTA Startup</li> </ul>	<b>05/24/2024</b> <ul style="list-style-type: none"> <li>LCLS NC Recovery/ Users</li> <li>LCLS SC Program</li> <li>FACET II Program</li> <li>SSRL User Program</li> <li>NLCTA Startup</li> </ul>	<b>05/25 &amp; 05/26</b> <ul style="list-style-type: none"> <li>LCLS NC Users</li> <li>LCLS SC Program</li> <li>FACET II Program</li> <li>SSRL User Program</li> <li>NLCTA Startup</li> </ul>

# Summary of upcoming outages

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- **Substation 501: June 3 - 7**
  - End station B and NLCTA
- **K10/K10B: July 15 - 19**
  - Laser rooms, FACET Trailer, S20 RF Hut, impacting klystrons, S20 tunnel radio, vacuum, LCW, BSOICS, BTMs, Fire Alarms and ODM, PPS
- **VVS-5, VVS-10, VVS-12: July 22 - 26**
- **VVS-5, VVS-10, VVS-12: July 29 - August 2**
- **Research Yard Substation – Part 1: August 7 - 14 (everywhere), Part 2: August 15-20 (part only)**
- **Master 230kV Yard, switch over to 60kV: August 8-20**
  
- **CT1201 – LCW Outage: Linac S16-S30 July 8-17, Linac S0-S15 July 18-20**

# SLAC IT News

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## New Website and IT Business Partner

- SLAC IT has a new web site: <https://it.slac.stanford.edu/>
  - From a focus on cybersecurity to enhancing client experience, these principles define our commitment to digital excellence and a resilient IT future.
- Business Partner Program: <https://it.slac.stanford.edu/it-business-partners-program>
  - Providing our lab partners with a dedicated IT point of contact to enhance relationships.
  - We are working to arrange one of these business partners to come to our meeting to share their plans for the AFS retirement.

## Special Presentation

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The new TPG GUI: an application that can be used to generate custom and complicated SC timing patterns.

– Alex Ng