**LCLS-II DECEMBER PROJECT STATUS REPORT**

**DATE:** January 8, 2019

**LOCATION OF PROJECT:** Jefferson Lab

**SENIOR TEAM LEAD:** Joe Preble

**MONTHLY PROGRESS**

Summary

Report reflects October EV data. JLab continues to make significant progress in all areas. Cost, schedule, and scope are being managed to the baseline. We received earned value and variance data, analyzed data and submitted VARs.

EV Performance as of November close.

Overall % complete = 95.4%, SPI = 0.97, CPI = 0.99

Management:

Started returning equipment from the LERF. Started testing CM20 in the LERF. This will be the last LCLS II CM tested in the LERF. Planning continues for the use of the LERF for testing LCLS II HE CMs in the future.

Cryoplant System:

EV Performance as of November close.

Overall % complete = 92.5%, SPI = 0.98, CPI = 0.97

2K CB gauge panels were shipped to SLAC.

4.5k CB software bench testing started at JLab.

Working with SLAC on commissioning planning and support.

Cryomodules:

EV Performance as of November close.

Overall % complete = 97.0%, SPI = 0.97, CPI = 1.00

J1.3-21 – WS5 – MC line LC; beamline work.

J1.3-20 –In LERF; conditioning circuits

J1.3-19 – Ready for shipping January 4th

J1.3-11 – Cavity prep and test completed

J1.3-09R – WS3; unite to UCM

J1.3-06R – WS4 – HOM tuning; lower shields

J1.3-05 – WS3 – LC BPM hardware replacement; FSS

J1.3-02– In Test Lab on UITF

J1.3-01,03,04,07,08,10,12,13,14,15,16,17,18 @ SLAC

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| J1.3-19 @ WS6 | J1.3-21 at WS5 |
| J1.3-06 | J1.3-05 |