LCLS-II 3.9GHz Cryomodule Final Design Review
Monday/Tuesday, January 30-31, 2017
https://indico.fnal.gov/conferenceDisplay.py?confId=xxxx

Recommendation No. 1 ***Status: Closed***

Date Closed: April 2018

Owner	C. Ginsburg
Recommendation	Perform operational analysis for available RF-power to address 1. high QL spread due to: a. Deviation in field flatness; b. machining & assembly tolerance over/under build 2. Microphonic due to: a. Unknown instability within the support system and/or cryogenic system Should include the impact of coupler overheating from increased rf-power input.
Project Response	Assigned to Solyak/Khabiboulline. Analysis completed. Design Verification completed.

Recommendation No. 2 ***Status: Closed***

Date Closed: May 2017

Owner	C. Ginsburg
Recommendation	Provide complete listing of all technical specifications and their status (draft, reviewed, approved, etc.)
Project Response	Assigned to Harms. Document available.

Recommendation No. 3 ***Status: Closed***

Planned Date Closed: April 2018

Owner	C. Ginsburg
Recommendation	Add the following activities to verification testing: 1. Incorporate measured performance of coarse & fine tuning into the LLRF control system (most notably damping microphonics) 2. Incorporate mockup of max-offset of power coupler (mimic compensation for differential thermal contraction) Investigate long term stability; establish steady-state operational condition at high power performance.
Project Response	These activities will be incorporated into the test plan for Design Verification horizontal tests. HTS tests are planned for June 2017. DV complete April 2018.

Recommendation No. 4 ***Status: Closed***

Date Closed: 17 April 2017

Owner	C. Ginsburg
Recommendation	The stress analysis document for the 3.9 GHz Cryomodule under Seismic Loads should be finalized by SLAC no later than 01-March-2017.
Project Response	Engineering Note LCLSII-4.5-EN-0968-R0 is signed off.