**LCLS-II Review Committee Charge for:**

***3.9 GHz Cryomodule Dressed Cavity***

**Final Design Review**

(~90-100% Design Maturity)

The review committee is charged to evaluate the System design readiness of the LCLS-II (System/Device to be reviewed) to approve implementation, procurement, fabrication and installation activities. The dressed cavity is understood to include the niobium and niobium titanium of the bare cavity, as well as the titanium helium vessel with chimney up to and including the SS tee connection to the 2-phase pipe. To carry out this charge, the review committee should evaluate the System Design readiness by responding to the following questions:

# Technical Scope

1. Are the designs mature and technically sound to satisfy design specifications?
2. Is the design likely to meet performance expectations?
3. Have installation issues been adequately addressed?
4. Have all the major interfaces been identified and incorporated into the design?
5. Are all design specifications, requirements, performance, and interface documents reviewed, approved and released?

# Design Management

1. Is the design team organized and staffed to successfully complete the project?
2. Have all of the major risks been identified and managed?
3. Are procurements appropriately planned?
4. Is the development of associated drawing packages sufficiently mature?

# Cost and Schedule

1. Is the cost and schedule reasonable to achieve the planned scope? This is a reasonableness assessment by technical experts, not a detailed cost/schedule review.

# ES&H

1. Are all related ES&H aspects being properly addressed?

# Miscellaneous

1. Have all the previous design review action items/comments been addressed?
2. Have lessons learned been addressed?
3. Are there any other issues that have been identified that need to be addressed?

# Overall Readiness

1. Is the design sufficiently mature so as to allow Final Design Review approval?