Report from SLAC for CLIC-SLAC-KEK Collaboration Meeting

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Juwen Wang

Work at SLAC

1. T18_VG2.4_DISC Structure high power test stops today.

- 2. July 7th Installation Program
 - Station I: Installation of a high power load for high power tests for two klystrons and SLED-II system.
 - Station II: Installation of T26 to replace T18_VG2.4_DISC.
- 3. T28_vg2.9 (T26) Structure

Vacuum Baking was completed last week. Structure has been installed on a modified strongback.

4. Four Short (10-cell) Test Structures

2 x C10_VG_0.7 and 2 x C10_VG_1.35. Mechanical design completed. All regular cups are under fabrication by a company (Robertson).

5. Wait for the delivery of TD18_VG2.4_QUAD structure and continue to complete its assembly for high power test in the Station I.

T28_vg2.9 (T26) Structure on a Modified Strongback



T28_vg2.9 (T26) Structure after Tuning

Field



120°

BKD Rate Characteristics at Different Conditioning Time



and pulse width dependence ~ $PW^{5.5}$

BKD Distribution at Different Conditioning Stage

