

Commissioning Update

6/20/13

M. Drury

C100's

- 1L22 – SRF Commissioning Complete
 - Eight Cavity Run Complete at 118.4 MV
- 1L24 – High Power Testing Started 5/17.
 - Eight Cavity Run Complete at 108.4 MV/m
- 1L23 Commissioning has begun
- 2L26 – Installed – Waiting for Cool down
- 1L25 – Installed
- C100-10 – Installed at 1L26

C50's

- 1L04 (C50-09) Complete 52 MV
- 1L05 (C50-01) Complete 45 MV
- 1L06 (C50-04) Complete Except for Eight Cavity run
- 1L11 (C50-06) Complete Except for Eight Cavity Run
- 2L16 (C50-02) Complete 34 MV
- 2L07 (C50-08) Complete 51 MV
- 2L04 (C50-03) Complete 53 MV
- 2L09 (C50-05) In Progress

C50's

- Preliminary:
 - 1L06 (C50-04) 47.9 MV
 - 1L11 (C50-06) 48.0 MV
 - 2L09 (C50-05) 48.6 MV
- Final:
 - 1L05 (C50-01) 46.0 MV (Helium Process)
 - 1L04 (C50-09) 52.3 MV
 - 2L04 (C50-03) 52.8 MV
 - 2L07 (C50-08) 51.3 MV
 - 2L16 (C50-02) 34.2 MV (Helium Process)
- Average for C50's 46.8 MV

C20's

- 1L07 – 1L08 Complete Except for Eight Cavity Runs
- 1L09 – In Progress (20% Complete)
- 1L13 – 1L15 Complete Except for Eight Cavity Runs
- 1L16 – In Progress (80% complete)
- 2L02 – Complete Except for Eight Cavity Run
- 2L17 – 2L19 – Complete Except for Eight Cavity Run
- 2L20 – In Progress (80% complete)

C20's

- Preliminary:
- Average Energy per Module NL: $32.4 \text{ MV} \pm 4.8 \text{ MV}$
 - (Six Cryomodules)
- Average Energy per Module SL: $33.5 \text{ MV} \pm 0.8 \text{ MV}$
 - (Four Cryomodules)

Projections

- 586 MV Identified in NL
- 320 MV Identified in SL
- Based on Averages so far:
 - 1290 MV in NL
 - 1310 MV in SL (includes C50-11)

In Summary

- C100 Testing ahead of schedule
- Recommission is on schedule
- Overall about 45% of Recommission complete