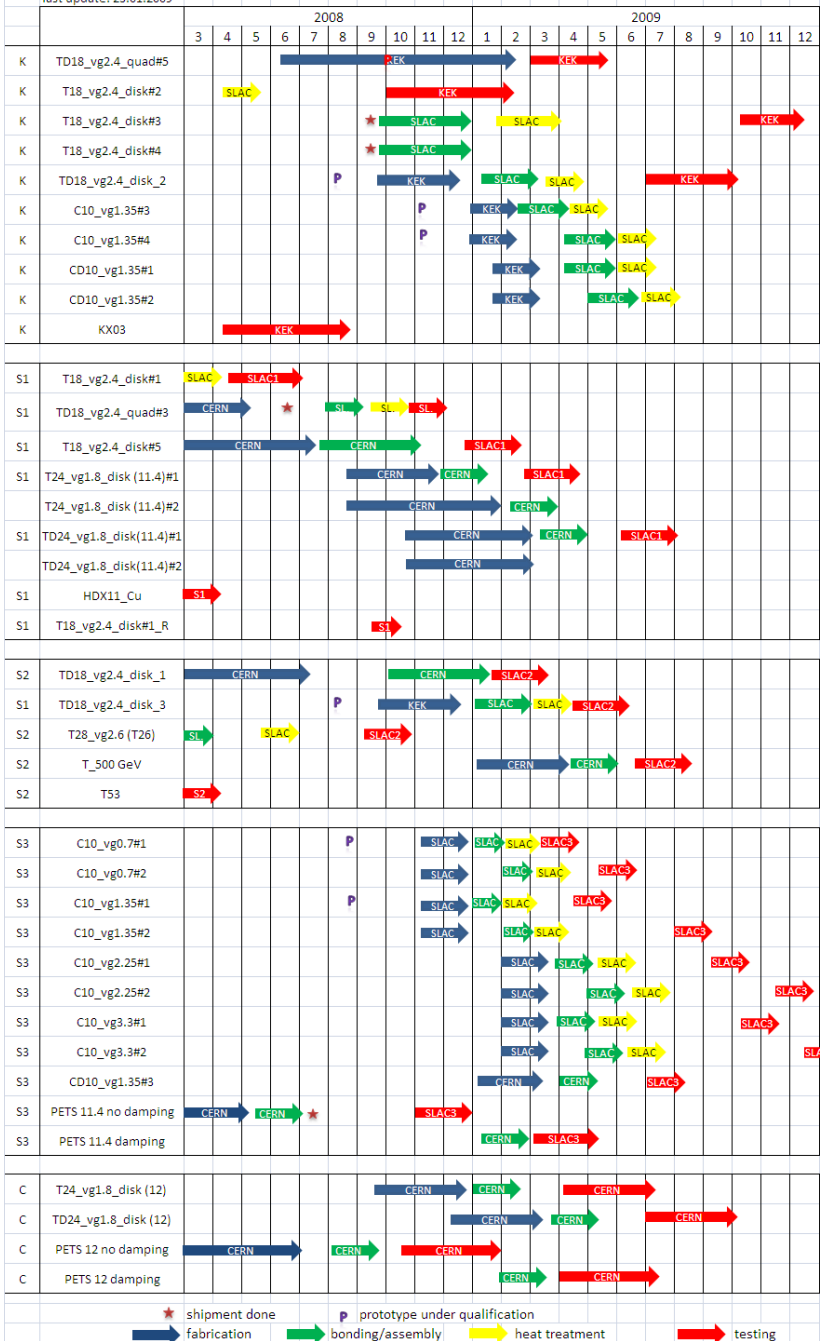


Structure Master Schedule and CERN production status

GR, 20090327

X-BAND STRUCTURE MASTER SCHEDULE (KEK-SLAC-CERN program)

last update: 23.01.2009



★ shipment done P prototype under qualification
→ fabrication → bonding/assembly → heat treatment → testing

Accelerating structures

- T18_vg2.4#5 – see presentation “task force” on 20.03.2009
- T24_vg1.8 x3 (2 @ 11.4 GHz and 1 @ 12 GHz)
 - 1st @ 11.4 GHz (tank version)
 - cells at CERN, RF check before brazing OK
 - New assembly procedure
 - Clarification on cleaning procedure
 - 2nd @ 11.4 GHz under fabrication, couplers at CERN under check (new firm → delay) (sealed version)
 - 1st @ 12 GHz : 26 cells at CERN not accepted → surface quality problem → structure under fabrication
- TD24_vg1.8 x4 (2 @ 11.4 GHz and 2 @ 12 GHz)
 - Under fabrication
 - disks received for two units
 - disks at 12 GHz in April 09
- CD10 vg 1.35
 - Tendering for 5 qualification disks (4 different materials: Cu OFE, Cu OFS, CuZr, Glidcop)
 - Offers in few days

Shipping to SLAC
mid of May 2009

Accelerating structures

- Symmetrical disks
 - tendering for 5 disks, CLIAAS110219
 - CLIC G symmetrical
- T18_disk KEK/SLAC design
 - under tendering (x2)
 - Assembly procedure: SLAC/KEK
 - Material needed still for 1 structure
- T24_undamped → new design, with the aim of minimizing contact area (diameter 45 mm), new tuning feature implemented
- TD18: ready (old procedure) - stand-by

PETS - Loads -

- PETS at 11.4 GHz with damping material
 - Bars under fabrication
- Loads at 11.4 GHz
 - Under fabrication at CINEL and Heeze:
 - One prototype from Heeze at CERN → brazing of the RF flange not properly done, cleaning procedure under study
 - Second prototype from CINEL 1st Q 2009
 - Launched 3 loads from Heeze with agreed corrective actions: one load at CERN in two weeks
- Choke mode flanges: tests?
- On-off mechanism prototype: under mechanical design
- SLAC-CERN
 - Addendum on C10 vg2.25, vg3.3
 - Addendum on structure preparation
 - Addendum for 1 FTE