Status of the TTF-2 RF System

M. Ebert
for
MHFp & MHFe
Planned RF Distribution

ACC 6

ACC 5

ACC 4

ACC 3

ACC 2

ACC 1

RF-Gun

Mod 4 (10 MW)

Mod 5 (5 MW)

Mod 6 (10 MW)

Mod 1 (5 MW)

Mod 2 (5 MW)

Mod 3 (5 MW)

> 2 MW

~ 4 MW

3-dB-Hybrid

Phasenschieber

5 MW, \( \Delta \phi > 20^\circ \)

3-dB-Hybrid

\( \phi \)

\( \phi \)-Längenausgleich

nur für Testzwecke

\( \sim 1 \) MW

\( \sim 4 \) MW

~ 2 MW

2 x 3 MW

Reserve, assembly in Spring '03

20th January 2003

TTF 2 Review Meeting
Schloss Salzau
Temporary RF Distribution
(for rf test)
Last Week's Status of Waveguide Assembly

ACC 6
ACC 5
ACC 4
ACC 3
ACC 1*
Test-
Superstruktur
(passiv)
RF-Gun

20th January 2003
TTF 2 Review Meeting
Schloss Salzau
Status of Klystron / Modulator 4 & 5

**Klystron 4 (10MW)**
- Prototype tube installed
- Tested at 10MW, 1.5ms, 10Hz
- Stable operation up to 8 MW
- Upgrading of RF-Interlock for improved control system interface is under way
  (but necessary computers are not ordered yet)
- Work could be finished in 2 months

**Klystron 5 (5 MW)**
- Tested at 120kV, 1.5ms, 1Hz without rf
- Upgraded RF-Interlock installed

*Still to be done:*
- Full power rf test
- Control system communication
  (necessary computers are not ordered yet)
- Work could be finished in 2 months