



Review of Specifications and Technical Choices (Discussion Topics)



- The preferred layout No. of Cavities / Klystron 1, 4, 8 16 ?
- Waveguide sizing. WR1150 or smaller ?
- Do we need SF6 - Constraints with SF6
- Do we need vector modulator in LP & HP SPL
- Advantages of double window klystron, obtaining balanced outputs
- Tolerable power losses, realistic power overhead for feedback loops
- Fault conditions tolerance, isolation of 'bad' cavity
- Parameters needed in defining an overall specification with respect to:
 - Intercavity coupling due to reflections,
 - Beam induced signals,(related to field stability studies)
- Integration constraints – waveguide routing Klystron/cavity tunnels Use of half height waveguides)
- Others..