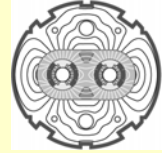


Warm Vacuum Sector for FP420

Ray Veness / AT-VAC



Introduction

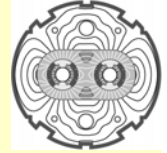
0 Previous talks:

0 October 2006

- 0 Requirements of a warm vacuum sector
- 0 Example of a sector vacuum schematic
- 0 Design of Valve/instrumentation assembly

0 April 2008

- 0 General rules for warm LSS vacuum sector design
- 0 3 proposals for bellows systems for moveable beampipes



Next Actions

- Choose a baseline design for the bellows assembly
 - Needs an integration drawing to verify available space
 - This must come from the experiment
 - Calculate the forces imposed by the bellows on the moving beampipe
 - Collaboration between VAC and the experiment
- Qualify the design of the bellows system
 - Additional vacuum calculations or tests depending on the system baselined
 - Operation of RF contacts
 - Fatigue lifetime
 - Build a system and measure the forces