Status of energy deposition studies at IR7



Collimation Meeting 26-11-2004

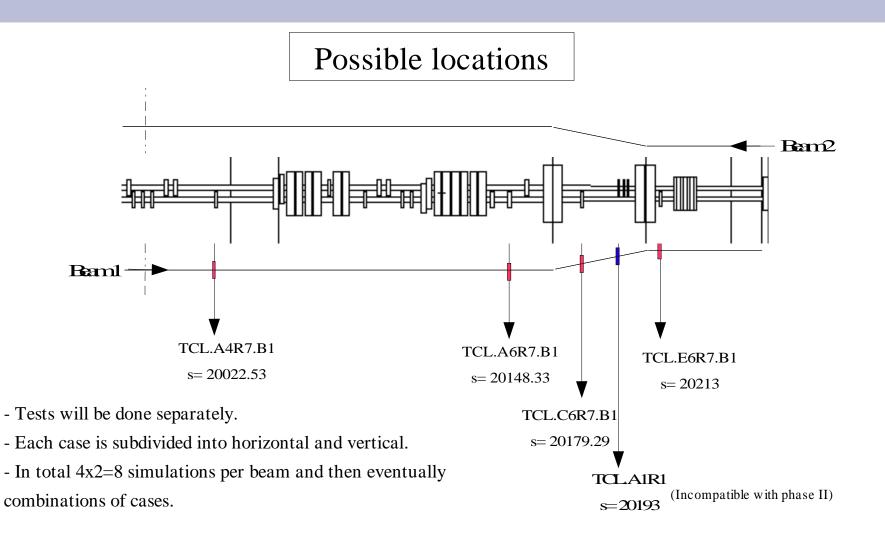


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Status of energy deposition studies at IR7

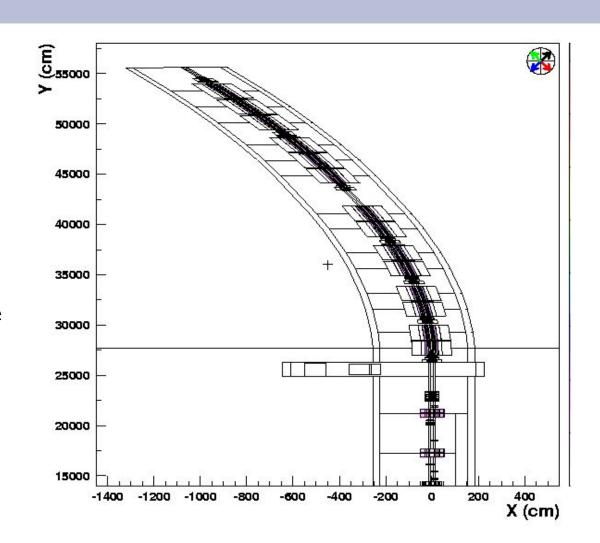
- Geometry of IR7 curved section.
 - IR7 Geometry implementation (review of geometry and methodology).
 - Dipoles.
- Preliminary results in the curved section.
 - Heat in the dipoles.
 - Heat in the MQs.
- Heat on the TCS and MQW flanges.
 - Heat on the TCS flanges.
 - Heat on the MQW flanges.
- Next steps.

Implementation of vertical and horizontal absorbers.

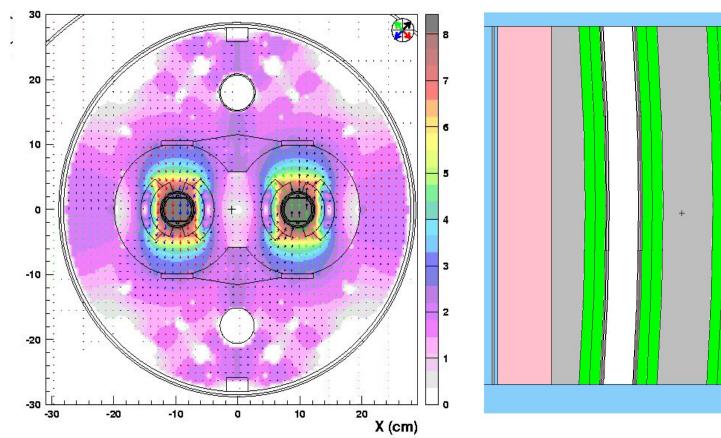


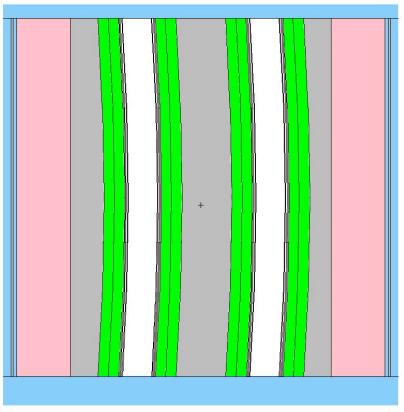
IR7 curved region.

- Tunnel, pipes, etc have been chopped, rotated and merged.
- Prototypes are allocated with the according rotation.
- The dipole is made of four straight sections, to accommodate the trajectory.

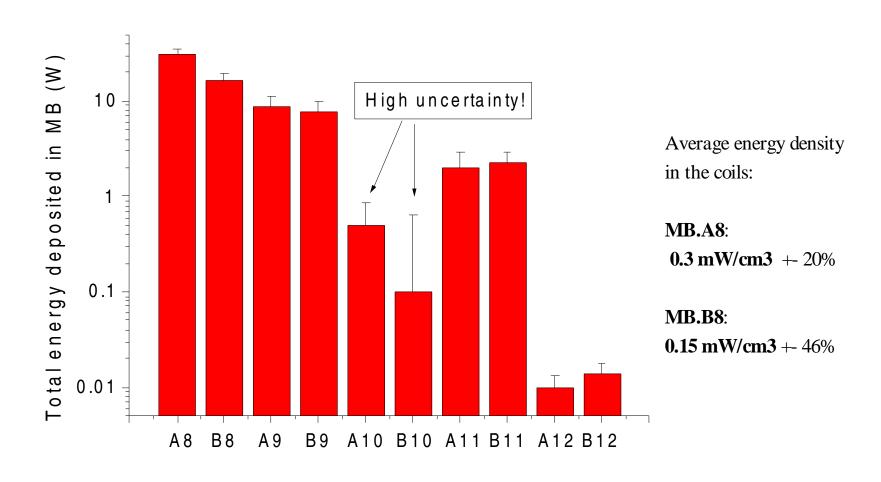


Dipoles.

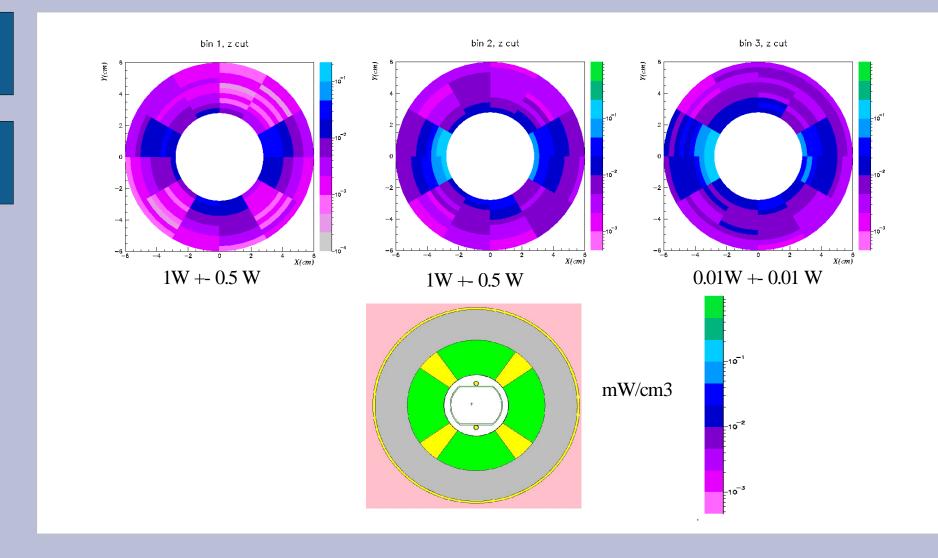




Energy deposition in the cold dipoles.

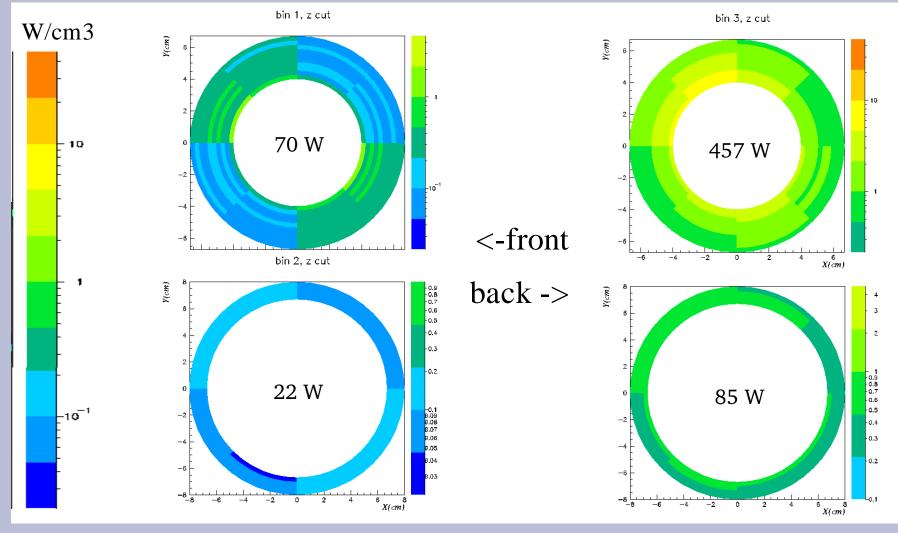


Radiation on the MQ's



Energy deposition in the TCS flanges.

TCSGA6L1



Energy deposition in the MQW flanges.

MQWAE5L

