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	SPIRE/HIFI Focal Plane Sharing meeting of 22/6/99 B. Swinyard	

A short meeting was held at ESTEC on the 22 June 1999 between representatives of the HIFI design team and Matt Griffin, Bruce Swinyard and Berend Winter from the SPIRE design team. At this meeting the proposal from SPIRE (SPIRE-RAL-NOT-000286) on the footprint available to the HIFI instrument was discussed together with the design changes need in the HIFI instrument to accommodate the SPIRE instrument.

An agreement was arrived for the projected Y-Z footprint available to each instrument. This is summarised in the figure. It was provisionally agreed that the HIFI structure could come up to the line indicated in the figure as 132 mm in the -Y direction and 170 mm in the -Z direction. In coming to this agreement it was recognised:

1. That the HIFI instrument does not fill the footprint and a three dimensional drawing of the HIFI structure is required to fully characterise the available envelope.
2. The SPIRE structural design is compromised in this region by the need to close the angle on the support struts from the optimum 90° and the requirement to have a cut out around the HIFI instrument.

This last may lead to an increase in the mass of the SPIRE structure and the need to stiffen the struts leading to a higher conducted load onto the 4 K stage.

Both instrument teams will now evaluate the implications of the provisional agreement with a view to finalising the full three dimensional envelopes by 1 August 1999.

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